HSWA LANL 3/1082/16/16-003(k) + 16-021(c)
LA-UR-98-4801

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Date: September 30, 1998
Refer to: EM/ER:98-393

1998
RECEIVED

Mr. Benito Garcia
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P.O. Box 26110
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SUBJECT: SUBMITTAL OF RFI REPORT FOR PRS 16-021(c) (FORMER OU 1082, FU 3) TO FULFILL THE FY98 WORK SCHEDULE COMMITMENT

Dear Mr. Garcia:

Enclosed please find two copies of the Resource Conservation and Recovery Act Facility Investigation Report for Potential Release Site 16-021(c) and the Certification, which are being submitted to the New Mexico Environment Department to fulfill the Fiscal Year 1998 Work Schedule Commitment.

If you have any questions or comments, please contact Victoria George at (505) 665-6953.

Sincerely,

Julie A. Canepa, Program Manager
LANL/ER Project

Sincerely,

Theodore J. Taylor, Program Manager
DOE/LAAO

JC/TT/DB/dm

Enclosures: (1) Two RFI Reports for PRS 16-021(c) (Former OU 1082, FU 3)
(2) Certification

6122

TL

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CERTIFICATION

I certify under penalty of law that these documents and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violation.

Document Title: RFI Report for PRS 16-021(c) (Former OU 1082, FU 3)

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LA-UR-98-4101
September 1998

RFI Report for Potential Release Site

16-021(c)

Volume 1 of 3

Environmental Restoration Project
A Department of Energy Environmental Cleanup Program

Los Alamos
NATIONAL LABORATORY
Los Alamos, NM 87545

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EXECUTIVE SUMMARY

Overview

This report presents the results of the Phase II Resource Conservation and Recovery Act (RCRA) facility investigation (RFI) for the 260 outfall site associated with Technical Area 16 (TA-16) at Los Alamos National Laboratory (the Laboratory, or LANL). The potential release site (PRS) investigated during this effort is 16-021(c), the outfall and drainage associated with the sumps from an active high explosives (HE) machining building, TA-16-260. PRS 16-021(c) is included in Table A of the Hazardous and Solid Waste Amendments of 1984 (HSWA) Module VIII of LANL's RCRA Permit. This PRS has a site-ranking score of 76, qualifying it as a high-priority PRS (EPA 1990, 01585).

The goal of a Phase II RFI is the collection of sufficient data to characterize the site and to quantify the extent of contamination for three purposes: (1) developing a physical site conceptual model, (2) performing a site-specific risk assessment, and (3) initiating a corrective measures study (CMS) process.

TA-16-260 is an HE machining building, operating since 1951, that processes large quantities of HE. Machine turnings and HE wash water are routed as waste to 13 sumps associated with the building. Historically, discharge from these sumps flowed to an outfall. This outfall was permitted in the late 1970's under LANL's National Pollutant Discharge Elimination System (NPDES) by the U.S. Environmental Protection Agency (EPA) (LANL 1996, 55077). At one time, discharge was reportedly as high as several million gal. per year. Consequently, the outfall, as well as the drainage channel from that outfall, are contaminated with HE waste and barium. The outfall was deactivated in November 1996 and officially removed from the NPDES permit in January 1998.

PRS 16-021(c) consists of the outfall and the drainage channel associated with the 13 HE sumps on the northeast side of TA-16-260. The drainage channel from the outfall flows approximately 600 ft north to the bottom of Cañon de Valle, dropping an elevation of 80 ft. Stressed vegetation is evident within the PRS boundaries. Land adjacent to the 260 outfall site is dedicated to continued Laboratory operations. The PRSs in the vicinity of the 260 outfall include material disposal area R (MDA-R), MDA-P, and the TA-16 Burning Ground.

The existing data for the TA-16-260 outfall (PRS 16-021[c]) that were collected prior to Phase II RFI sampling are extensive and show HE contamination extending from the outfall discharge point down to the sediments and waters of Cañon de Valle. The current understanding of the conceptual model of the 260 outfall indicates a highly complex picture of the site's contaminant pathways and hydrogeology. The contaminant pathways in the underlying Bandelier Tuff are structurally controlled by fractures and other preferential pathways, such as surge beds, between tuff units.

One result of this complexity is major uncertainty regarding the location of saturated zones in the subsurface and their associated contaminant pathways at the site. Further study of the site has been, and continues to be, warranted. However, these studies could only reduce the uncertainty; large uncertainties in the conceptual model will remain, no matter how much physical investigation is done. Thus, the reader is cautioned that it is impossible to determine the exact extent of contamination in a detailed and spatially explicit manner. Extent can only be described in a gross sense, based on current understanding and monitoring data as it is obtained.

Sampling and Data Collection

The environmental data collection and sampling scheme for this Phase II RFI included

- sampling in the surface and subsurface of the outfall and drainage area with the advancement of soil borings,
- installing and sampling shallow alluvial wells in Cañon de Valle,
- performing spring sampling and tracer studies,
- collecting sediment and water samples in Cañon de Valle, and
- installing deeper mesa-top wells (at a nominal depth of 200 ft) to intersect saturated zones that feed the springs at depths of 70–120 ft below the mesa top.

Results of the outfall and drainage area investigation indicate high levels of HE and barium within the outfall and drainage, from the surface to the soil-tuff interface. Soil depths are about 5.5 ft in the former pond area (an area that occupies the drainage from about 40 to 95 ft below the outfall), but only about 1 ft nearer the edge of the mesa (300 to 400 ft from the outfall). Phase II surface sampling confirmed previous results by demonstrating that surface contamination does not extend laterally beyond the reasonably well-defined drainage. Downgradient within the drainage, concentrations of the major contaminants (barium and the high explosives cyclotetramethylenetetranitramine [HMX], cyclotrimethylenetrinitramine [RDX], and trinitrotoluene [TNT]) decrease rapidly beyond the ponded area, although significant levels of HMX and barium do continue to the base of the colluvial slope into Cañon de Valle.

Subsurface sampling in the outfall and drainage indicates that concentrations also decrease rapidly below the soil/tuff interface. However, there is subsurface contamination—up to 1000 mg/kg of HE in tuff—within the uppermost tuff unit (Unit 5 of the Tshirege Member of the Bandelier Tuff, Qbt_5) beneath the upper part of the drainage, including the former pond. Higher levels, a total of almost 1% HE, were reported in a sample of saturated material from the surge bed that separates Unit 5 from Unit 4, which was encountered at a depth of about 16 ft beneath the source area. Below the level of this surge bed, HE is observed only sporadically and at much lower concentrations (typically less than 5 mg/kg). There is some evidence for stratigraphic control of both concentration levels and lateral migration in the subsurface.

While HE and barium are the principal contaminants at the TA-16-260 outfall, several other metals—including cadmium, chromium, copper, lead, nickel, vanadium, and zinc—are consistently observed above background levels in the drainage. Organic compounds, particularly anthracene and phthalates, have also been detected in several samples.

Surface water and sediment samples were collected in Cañon de Valle. There are elevated concentrations of barium, HMX, and RDX in the canyon sediments and waters where Peter Seep first discharges, upstream of the outfall. The same constituents increase to concentrations above maximum concentration levels (MCLs) and screening action levels (SALs) at the intersection of the TA-16-260 outfall and Cañon de Valle. Generally, contamination levels decrease down the canyon until MDA-P, rise slightly, then decrease in sediments for barium and to just-above-detection level for RDX at Water Canyon. The exception to this trend is barium in water. The concentration of barium in water decreases from MDA-P to approximately 1000 ft beyond MDA-P, then increases (from 2930 μg/l to 6490 μg/l).

The intermediate-depth borehole investigations included four borehole locations (126–207 ft deep) that were drilled to intersect the perched saturated zones at TA-16. Detailed geologic core logs of lithologic units in these boreholes indicate flat-lying subunits, except near Cañon de Valle. The local trend of subunit-subunit contact is to the north and east. Two of these boreholes intersected ephemeral perched water. In each case, the water dissipated in less than 1 month. Results of analyzing this perched water indicate low levels of barium and HE contamination.

The springs investigations relevant to the subsurface hydrogeology included quarterly sampling of the three springs—sanitary waste consolidation system (SWSC) Spring, Burning Ground Spring, and Martin Spring—that have been identified in and around TA-16. Analytical data from this quarterly sampling campaign suggest that all three springs are contaminated with RDX and other HE. Several major cations and anions, including calcium, magnesium, sodium, and boron, are present at levels greater than background. Boron is elevated (1800 µg/L) in Martin Spring. Also elevated are the following minor cations: aluminum, iron, barium, phosphate and nitrate. Of these, barium and boron are almost certainly associated with TA-16 operations. Low levels of volatile organic compounds (VOCs) have been detected at all three springs. These VOC detects are sporadic, occurring primarily during June 1997 quarterly sampling.

Time-series analysis of spring data suggests extreme variability in constituent concentrations (up to a factor of 20 in the RDX concentration at Martin Spring). Similarities in element variability and flow-rate changes over time also suggest that SWSC Spring and Burning Ground Spring are hydrogeologically similar, but that Martin Spring probably represents a different hydrogeological system.

A potassium bromide tracer was deployed at PRS 16-021(c) during April 1997. A breakthrough of bromide ions was observed in SWSC Spring during August 1997. Bromide breakthrough may also have occurred at Burning Ground Spring during August 1997, but the effects were more subtle, due to partial masking by variability in all the anions. The small magnitude of these breakthroughs, and the irregular concentration over time, suggest that

- the TA-16-260 outfall is hydrogeologically connected to SWSC Spring, and potentially connected to Burning Ground Spring, and
- the transport from the TA-16-260 outfall to the springs is dominated by fracture flow.

Implications for the Conceptual Model

The data indicate that TA-16 is one of the most complex sites at the Laboratory in terms of hydrologic behavior as well as contaminant fate and transport. The combination of relatively wet mesa and canyon conditions, different geological units with varying properties, multiple flow paths, different types of flow behavior, and multiple source areas results in a conceptual model that has to incorporate many different pathways and processes. Large uncertainties associated with aspects of the conceptual model are the result of the complexity of the TA-16 system.

Screening Assessments

A human health screening assessment was performed that combined comparison to risk-based criteria and applicable federal and state regulatory standards. The source area (260 outfall) fails this human health screening, and soils in the source area pose the greatest concern to human health. The

assessment reveals that HE, barium, and bis(2-ethylhexyl)phthalate are the primary chemicals of potential concern (COPCs). Surface waters, springs, and borehole water data also show RDX.

The 260 outfall area fails an ecological screening analysis and all biotic species are determined to be at risk from contamination at the site. In addition, there is a high potential for the transport of contamination off-site through physical and biotic processes. The list of contaminants of potential ecological concern (COPECs) is extensive. Of primary ecological concern is the presence of potential persistent bioaccumulators and highly elevated concentrations of barium, bis(2-ethylhexyl)phthalate, HMX, RDX, and 2,4,6-TNT. Cañon de Valle, in the area of the 260 outfall site, is identified as biotically rich in both terrestrial and aquatic species. The known presence of the Mexican spotted owl *(Strix occidentalis lucida)* in Cañon de Valle poses special challenges for the containment and remediation of contamination at the 260 outfall site.

Proposed Recommendations

Based on the results of this Phase II investigation, the following recommendations are proposed:

1. Perform a source removal interim measure (IM) to remove high levels of contamination in the outfall and drainage. The specific approach to source removal will be documented in an IM plan.

2. Collect additional data to improve the hydrogeologic conceptual model, perform a site-specific risk assessment, and make conclusions as to the impact on deeper groundwater. Additional data collection will be described in a sampling and analysis plan (SAP), which will be included with the corrective measures study (CMS) plan for this PRS.

3. Continue with the CMS process in order to evaluate the appropriate alternatives for water/sediment remediation and continued monitoring of the watershed system.

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1.0 INTRODUCTION

Los Alamos National Laboratory (the Laboratory, or LANL) is a multi-disciplinary research facility owned by the U.S. Department of Energy (DOE) and managed by the University of California. The Laboratory is located in north-central New Mexico, approximately 60 miles northeast of Albuquerque and 20 miles northwest of Santa Fe. The Laboratory site covers 43 square miles of the Pajarito Plateau, which consists of a series of fingerlike mesas separated by deep canyons that contain ephemeral and intermittent streams which run from west to east. Mesa tops range in elevation from approximately 6200 ft to 7800 ft. The eastern portion of the plateau stands 300 to 900 ft above the Rio Grande.

The Laboratory's Environmental Restoration (ER) Project is involved in a national effort by the DOE to clean up facilities that were formerly involved in weapons production. The goal of the ER Project is to ensure that the DOE's past operations do not threaten human or environmental health and safety in and around Los Alamos County, New Mexico. To achieve that goal, the ER Project is currently investigating sites potentially contaminated by past Laboratory operations.

The sites under investigation are either solid waste management units (SWMUs) or areas of concern (AOCs). In the LANL ER Project, SWMUs and AOCs are collectively referred to as *potential release sites* (PRSs). This document describes the results of Phase II of the RFI into PRS 16-021(c), the TA-16-260 outfall. Results are presented for the PRS itself, for the unsaturated subsurface near the PRS, for springs associated with the PRS, and for potentially affected sections of Cañon de Valle.

1.1 Purpose and Regulatory Context

This investigation, including its sampling and analysis, is being conducted under the requirements of RCRA. For PRS 16-021(c), the investigation is taking place in accordance with HSWA, and it follows the requirements found in Module VIII of the Laboratory's Hazardous Waste Facility Permit (EPA 1990, 01585). Module VIII was issued to the Laboratory by EPA on May 23, 1990, and modified on May 19, 1994. Under RCRA, the DOE conducts a Corrective Action Program to protect human health and the environment from any releases of hazardous waste or hazardous constituents at the Laboratory.

The RCRA Corrective Action Program is usually conducted in the following phases:

- Preliminary Assessment and Site Inspection,
- RCRA Facility Investigation (RFI),
- Voluntary Corrective Measures (VCMs) (if appropriate),
- Corrective Measures Study (CMS), and
- Corrective Measures Implementation (CMI).

The PRS investigated during this effort is 16-021(c), the outfall and drainage associated with the sumps from the active HE machining building at TA-16, known as TA-16-260. PRS 16-021(c) is included in Table A of the HSWA Module VIII of LANL's RCRA Permit. This PRS has a site-ranking score of 76, qualifying it as a high priority PRS for the ER Project (EPA 1990, 01585)

This report describes the sampling conducted during the Phase II investigation, examines all the analytical results collected for this site, describes the physical and contaminant transport conceptual model developed for the site, and presents both human health and ecological screening assessments. Sampling was conducted according to the approach described in the SAP included in the Phase I RFI report of September 1996, entitled "RFI Report for Potential Release Sites at TA-16" (Environment Restoration Project 1996, 55077). That Phase I RFI report, and its associated SAP, were approved by the Administrative Authority (AA) in March 1998.

The purpose of the Phase II RFI is to collect sufficient data for site characterization and quantification of the extent of contamination; these data are then used to develop a physical site conceptual model, perform a site-specific risk assessment, and complete the CMS process. The site-specific risk assessment is performed using the data collected during all phases of the RFI. The objective of the risk assessment is to quantify the potential risks, if any, of human health and ecological receptors being exposed to site-related contaminants. The CMS is designed to evaluate remedial alternatives, conduct treatability studies, and design remedial actions. Remedial actions are then performed in order to mitigate any threat to human health and the environment by removing, containing, or treating contaminated media until established target levels are reached.

1.2 Facility Location and Background

TA-16 is located in the southwest corner of the Laboratory (Figure 1.2-1). It covers 2410 acres, or 3.8 square mi. The land is a portion of that acquired by the Department of Army for the Manhattan Project in 1943. TA-16 is bordered by Bandelier National Monument along State Road 4 to the south and by the Santa Fe National Forest along State Road 501 to the west. To the north and east, it is bordered by TA-8, -9, -14, -15, and -49. TA-16 is fenced and posted along State Road 4. Water Canyon, a 200-ft-deep ravine with steep walls, separates State Road 4 from active sites at TA-16. Cañon de Valle forms the northern border of TA-16. Security fences surround the production facilities. A complete discussion of the environmental setting for TA-16 is presented in Appendix B of this report.

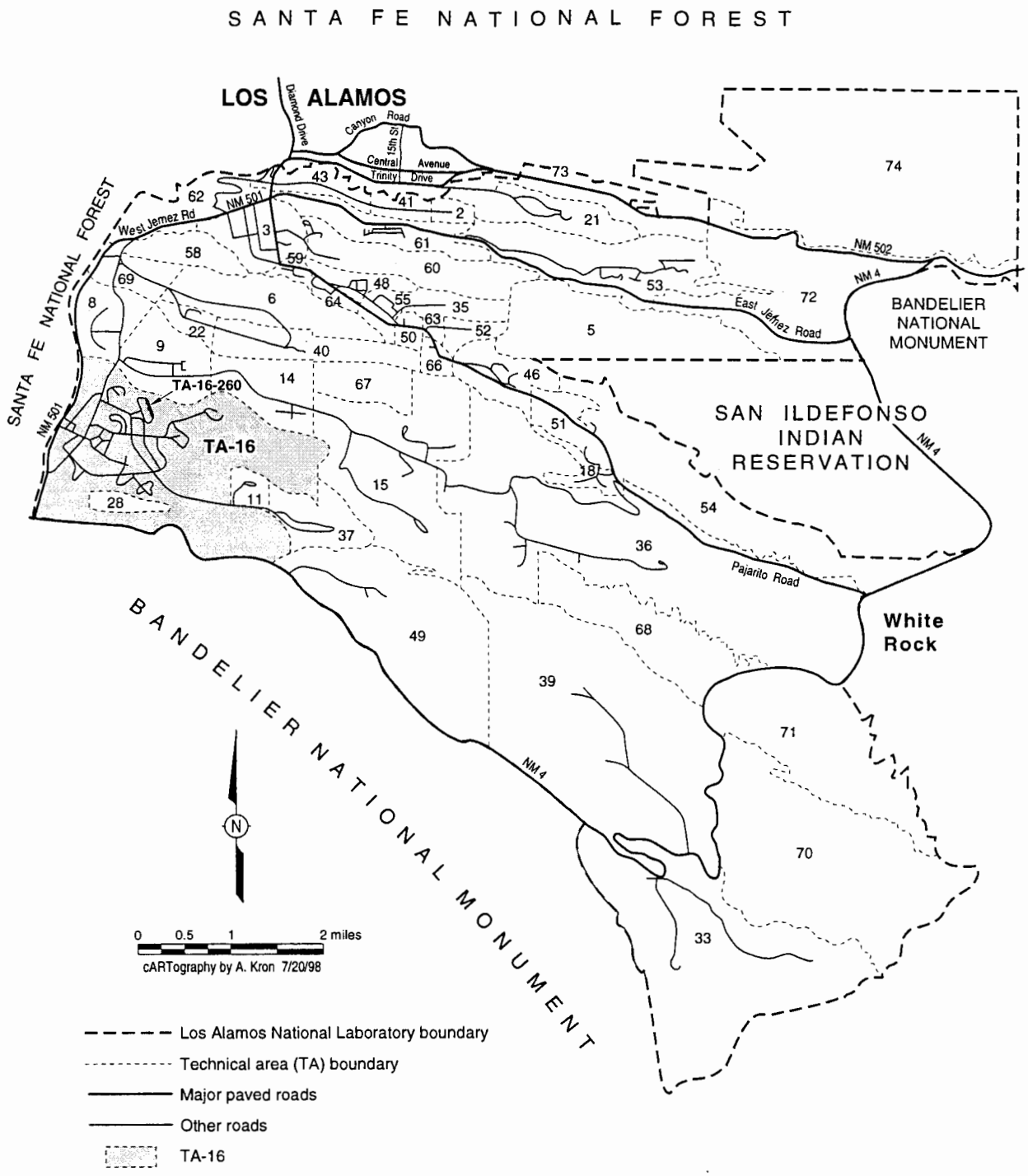


Figure 1.2-1. Location of TA-16 with respect to Laboratory technical areas and surrounding landholdings; Building 16-260 is also shown

1.2.1 Facility History and Operations

TA-16 was established to develop explosive formulations, to cast and machine explosive charges, and to assemble and test explosive components for the U.S. nuclear weapons program. Almost all the work has been conducted in support of the development, testing, and production of explosive charges for the implosion method. Present-day use of this site is essentially unchanged, although facilities have been upgraded and expanded as explosive and manufacturing technologies have advanced.

The TA-16-260 facility, in operation since 1951, is an HE-machining building that processes large quantities of HE. Machine turnings and HE washwater are routed as waste to 13 sumps associated with the building. Historically, discharge from the sumps was routed to an outfall; at one point, discharge was reportedly as high as several million gal. per year.

In the late 1970s, the outfall was permitted to operate by the EPA as EPA 05A056 under the Laboratory's NPDES permit. The last NPDES permitting effort for this outfall occurred in 1994. The NPDES outfall was deactivated in November 1996, and it was officially removed from the Laboratory's NPDES permit by the EPA in January 1998. Currently this waste stream is managed by pumping the sumps and treating the water at the TA-16 HE wastewater

Both the outfall and the drainage channel from the outfall are contaminated with HE waste and barium. The sumps, drain lines, and troughs of this facility have been designated as PRS 16-003(k); the outfall and drainage, as PRS 16-021(c). PRS 16-021(c) is the focus of this report. PRS 16-003(k) was addressed in the Phase I RFI Report for this facility, as discussed in Section 1.3 of this report. Prior to the RFI investigations, known contaminants included barium, RDX, TNT, and HMX. Suspected contaminants included other HE constituents, additional inorganics, VOCs, semivolatile organic compounds (SVOCs), and uranium.

1.2.2 PRS Description

This PRS consists of the outfall and the drainage associated with the 13 HE sumps on the northeast side of Building 16-260. Building 16-260 is located on the north side of TA-16 (Figure 1.2-2). The structure was originally built in 1951, with minor modifications to the structure made at a later date.

The drainage channel from the outfall flows approximately 600 ft to the bottom of Cañon de Valle over an elevation drop of 80 ft. The drainage channel from the outfall is well defined, with apparent high-water marks. The water flows over a 15-ft-high cliff approximately 400 ft from the outfall. A small pond approximately 55 ft long was formed by a rock dam located 93 ft from the outfall. HE-contaminated water from the outfall entered the former pond about 40 ft from the outfall. The longitudinal axis of the former pond is oriented east-west, with flow in the easterly direction. The dam is about 9 ft thick, but only the first 2 ft of rock are closely packed. At present, there is no water in the former pond, although the soil and sediment are wet sporadically. Rainwater from the roadway on the northeast side of TA-16-260 used to flow into the former pond, prior to installation of haybales, sandbags, and diversionary piping as an interim action in fiscal year (FY) 95 and FY 96.

Within the PRS boundaries, stressed vegetation is evident between the rock dam and the cliff. Most trees in this area have died. One or two dead trees, possibly associated with TA-16-260 discharge, are present within Cañon de Valle, downstream from PRS 16-021(c).

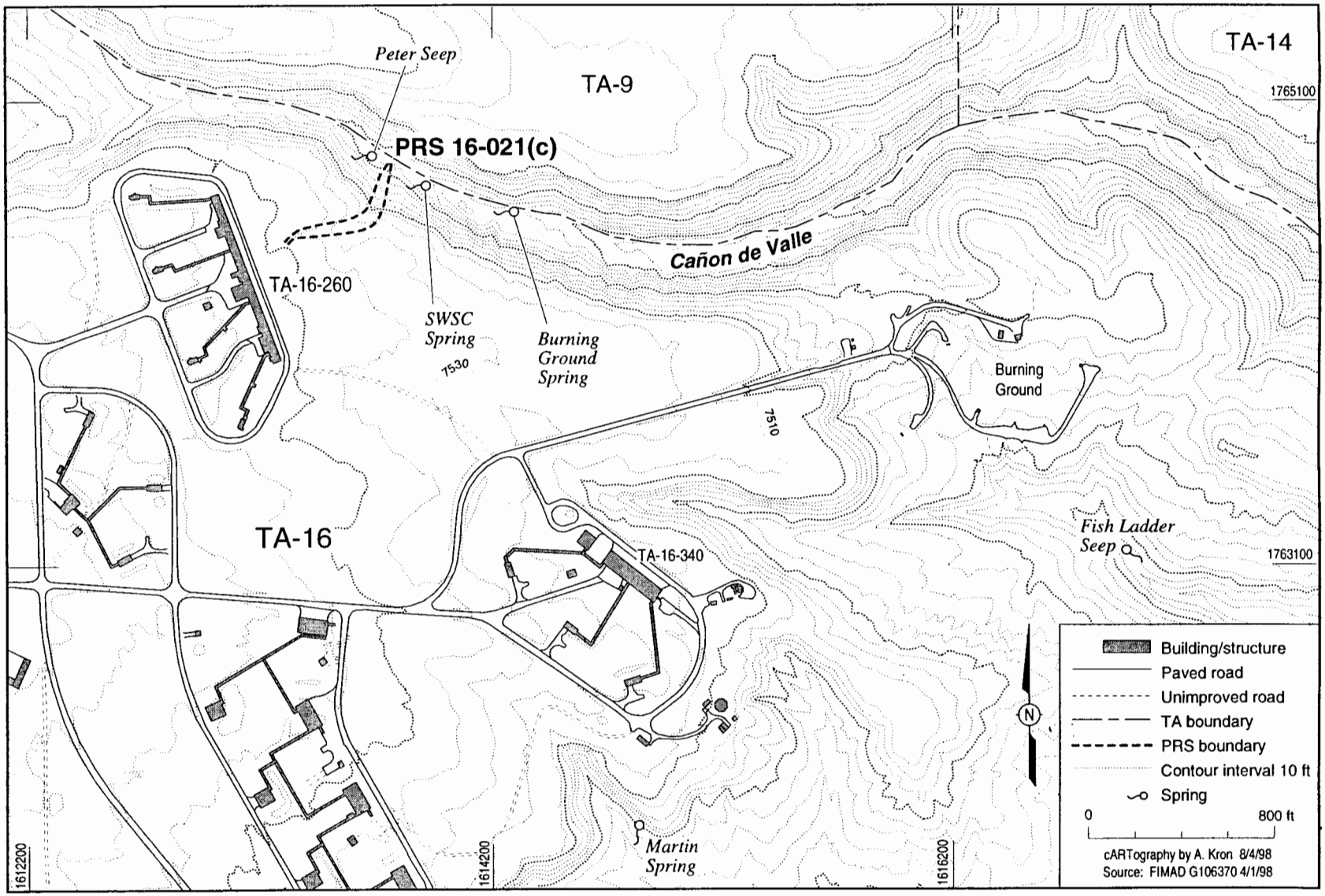


Figure 1.2-2. Location of PRS 16-021(c) and associated physical features

A series of best management practices (BMPs) was instituted at PRS 16-021(c) during FY 95 and FY 96 as an interim action. These BMPs were implemented when the first sampling efforts indicated a significant amount of inorganic and HE contamination in nearby springs and surface waters. The BMPs consisted of four engineered controls:

1. a sandbag dam and diversion pipe upgradient from the former HE pond,
2. a sandbag dam located east of the parking lot behind TA-16-260,
3. the application of geotextile fabric matting in the former HE pond area, and
4. eight haybale check dams within the PRS drainage between the rock dam and the 15-ft-high cliff.

The rationale for these BMPs is to minimize infiltration, run-on, and runoff from the contaminated area, thereby decreasing contaminant migration to surface water and groundwater. These BMPs are inspected regularly (at least quarterly) and are maintained and upgraded to ensure that run-on and runoff from this site are minimized.

1.2.3 Adjacent Land Use

The land adjacent to the 260 outfall site is dedicated to continued Laboratory operations. PRSs in the vicinity of the 260 outfall are shown in Figure 1.2-3. The following sites have the greatest potential influence on the 260 outfall investigation:

- **MDA-R**—This material disposal area is located north (upstream) of the TA-16-260 outfall area (PRS 16-019). This site was constructed in the mid-1940s and was used as a burning ground for waste explosives and possibly other debris. Potential contaminants at this disposal area include HE, HE byproducts, and metals (particularly barium). This site was abandoned in the 1950s.
- **TA-16 Burning Ground**—This site is located downstream of the TA-16-260 outfall, on a level portion of the mesa in the northeast corner of TA-16 (PRSs 16-010[a,h,i,k,l,m,n] and 16-016[c]). The burning ground was constructed in 1951 for HE waste treatment and disposal. Over the years, many pounds of HE and HE-contaminated waste material have been burned at this location. The remaining noncombustible material was either placed in the Area P landfill north of the burning ground (through 1984) or taken to TA-54 for disposal (1984 to the present).
- **MDA-P**—This material disposal area contains waste from the processing and testing of HE, as well as the residue from burning HE-contaminated equipment and construction debris (PRS 16-018). HE waste disposal activities at this site started in the early 1950s and ceased in 1984. The site is located on the south slope of Cañon de Valle, downstream from the TA-16-260 outfall. MDA-P is currently subject to RCRA clean closure activities and will be removed by FY 99.

These three sites may contain contaminants similar to those found in PRS 16-021(c), and all drain into Cañon de Valle.

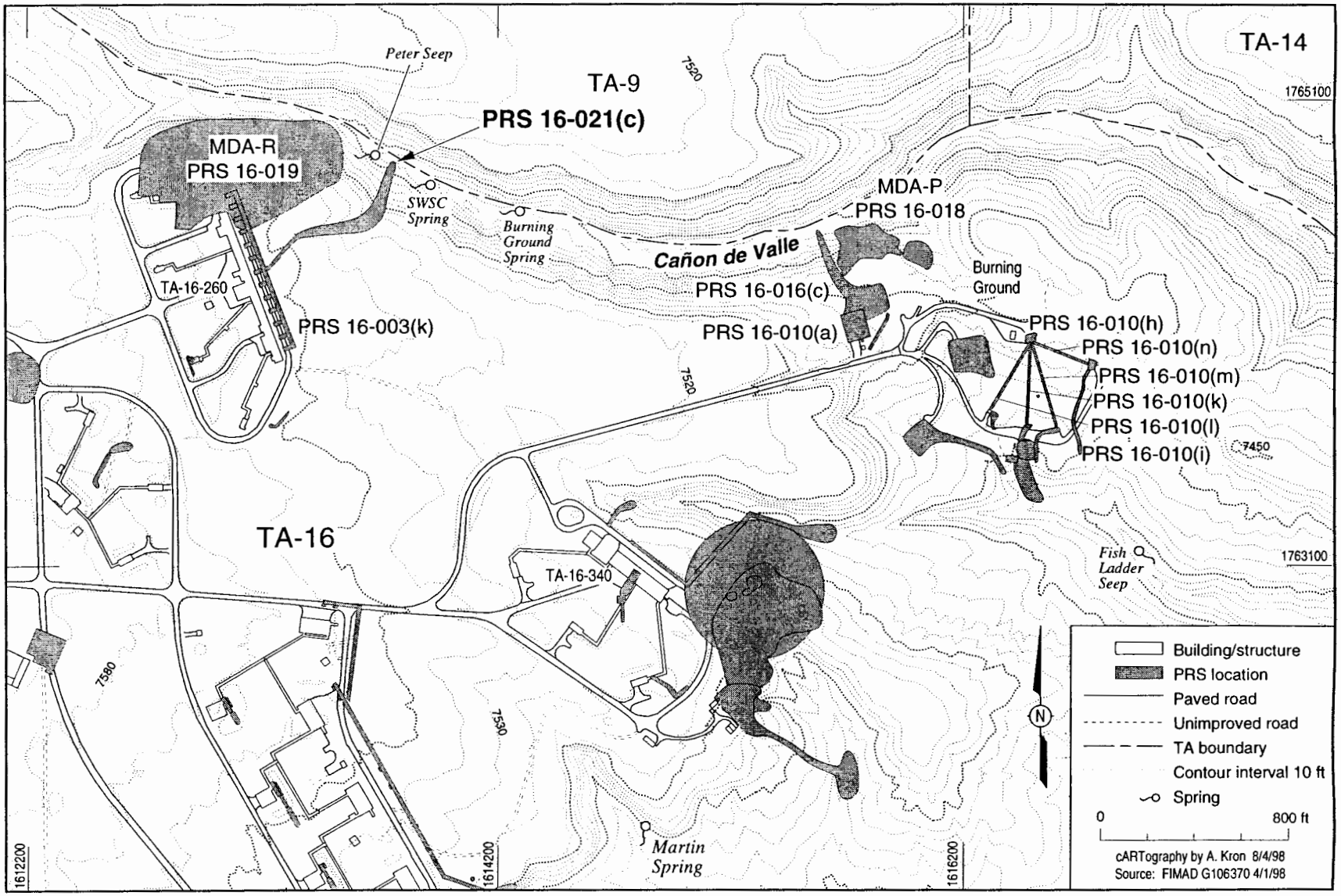


Figure 1.2-3. PRSs in the vicinity of PRS 16-021(c)

According to the 1995 update to the LANL Site Development Plan (LANL 1995, 57224), future land use at TA-16 is designated as HE research and development and HE testing. Most areas within TA-16 are active sites for the Engineering Science and Application (ESA) Division of the Laboratory, and construction of new buildings and other facilities in the area is possible. On-site workers (individuals who work on or near the site) and construction workers (individuals who would be exposed to near-surface and subsurface soils through various activities, including excavation) are considered to be the most likely humans to be exposed to potential contaminants. Therefore, they are used in the exposure scenarios evaluated in the human health screening assessment (Section 6).

1.3 Previous Investigations

The existing data for the TA-16-260 outfall (PRS 16-021[c]) collected prior to Phase II RFI sampling are extensive and show HE contamination extending from the outfall discharge point down to the sediments and waters of Cañon de Valle. Of primary importance are the data that have been summarized in the Phase I RFI report for PRSs at TA-16, PRSs 16-003(k) and 16-021(c) (LANL 1996, 55077).

The purpose of this section is to provide the reader with a chronology of data collection activities (with appropriate references) rather than to re-create the historical data presented in the Phase I RFI report. All available data for the site are used in this Phase II report to build a physical site model that supports future risk-assessment and CMS activities. Specific issues regarding the use of the different data sets are addressed in the data sections of this report.

The following sampling activities have been conducted in the vicinity of the 260 outfall area:

- Baytos in the 1970s—Baytos analyzed sediment samples taken from the 260 outfall drainage channel. His studies extended several hundred feet from the outfall. The highest concentrations of HMX-RDX and TNT were found in the former outfall discharge (pond) area. Concentrations of total HE in the former pond have remained uniformly high, from a low of 10.8 wt % in 1971 to 27.0 wt % in 1976 (Baytos 1971, 05913; Baytos 1976, 05920). Baytos cited an unpublished report from 1960 in which the total HE concentration was 9.8 wt % (Baytos 1972, 04953).

- Roybal in 1972—Contaminants reported in TA-16-260 sump water ranged from 0 to 3.2 ppm HMX-RDX, 10 to 18 ppm TNT, and 70 to 1587 ppm barium nitrate (Roybal 1972, 58703).

- The NPDES permit application in 1977—Sump water samples from TA-16-260 were analyzed for TNT, yielding values from <0.4 to 78 ppm (LASL 1977, 15-16-426).

- Baytos in 1988—Water samples taken from the outfall were analyzed. These data show mean concentration (taken over ten days) for TNT at 0.03 ppm, for RDX at 0.39 ppm, and for HMX at 1.85 ppm.

- Barr and King in 1991—Concentrations as high as 34.1 wt % were found in the former pond (King 1992, 57082). Barr and King also found that HE concentrations were high (4.4 wt %) for a distance of over 200 ft down the drainage.

- The Phase I RFI report for PRSs at TA-16 in 1996—The following constituents were found in soils at concentrations above SALs at PRS 16-021(c): RDX, HMX, 2,4,6-TNT,

2,4-dinitrotoluene (DNT), 1,3,5-trinitrobenzene (TNB), anthracene, bis(2-ethylhexyl)phthalate, and barium. Some constituents, such as RDX, were present at levels more than four orders of magnitude greater than SALs. Detection limits for HE and other organic constituents were high due to the large amounts of HE in many samples and the resultant large numbers of dilutions required for chemical analyses (LANL 1996, 55077).

Cañon de Valle soils and water have been sampled several times, as follows:

- In 1971, Turner and Schwartz analyzed 12 soil and water samples collected in Cañon de Valle for HE and barium. Barium in water ranged up to 30 ppm, and soluble barium in soil ranged up to 9 ppm. HE was detected at a maximum concentration of 4.5 ppm in water and 1.6 ppm in soil (Turner and Schwartz 1971, 34556).

- In 1989, McLin sampled Cañon de Valle during his study of contaminants in and around MDA-P. Water and soil samples were analyzed at ten locations within the canyon using the Extraction Procedure (EP) Toxicity Testing method. The maximum level of barium in water was 5.6 mg/l in the canyon adjacent to MDA-R (McLin 1989, 11718).

- In 1992, soils from two sites were sampled in Cañon de Valle: one upstream and one downstream from MDA-P. HE was present at moderate levels (less than 2000 ppm of HMX, RDX, and TNT). Barium concentrations were higher than background levels (1100 ppm in both samples) (Barr 1992, 52964).

- In 1994, drainage channel sediment and water sampling were conducted in Cañon de Valle in support of the MDA-P Closure Plan. Three locations upstream of the MDA-P disposal area, representing areas unaffected by MDA-P, were sampled. Three locations down drainage of MDA-P, which represented areas affected by the disposal site, were also sampled (MDA-P Closure Plan 1995, 58713). Barium concentrations were consistently above background levels and HE (principally HMX and RDX) was identified at moderate concentrations.

- In 1995, a background soil chemistry study was completed for soils and colluvium around MDA-P at TA-16. Fifty-five samples were collected from soil profiles on the north and south facing slopes of Cañon de Valle, near MDA-P. Eight of nine soil profiles had elevated levels of barium in the surface horizon relative to the underlying horizons, indicating that local contamination of soils by wind-blown barium had occurred (McDonald et al. 1996, 54827).

- In 1996, surface sediment and water sampling was conducted in the stream channel of Cañon de Valle. This was also done in support of the MDA-P investigations. Four 24-hour composited water samples, 23 grab water samples, and 31 sediment samples were collected and analyzed for metals, nitrates, HE, organic compounds, and radionuclides. For barium, the following maximums were detected: 6.7 mg/l in water and 40 000 mg/kg in sediment. Elevated concentrations of RDX, HMX, and TNT were also detected in both sediment and water samples (Dye and Childs 1997, 58712).

1.4 Conceptual Understanding and Approach

The understanding of the site conceptual model at the conclusion of Phase I was inadequate because sampling was limited to surface soil samples from the outfall discharge area and the drainage below the

outfall. Because elevated levels of HE and barium were found in many of the Phase I samples, and because the same contaminants had been observed in the springs and surface water of Cañon de Valle, additional data collection was required to construct a site conceptual model that could describe how the source area and the watershed-level systems interacted at the site.

The following questions remained at the conclusion of the Phase I RFI:

- What are the lateral and vertical extents of contaminated soils that would potentially require remediation at this PRS?
- What groundwater pathways, if any, connect the TA-16-260 outfall to perched aquifers, seeps, and springs at this site?
- What has been, and continues to be, the impact of contamination released through the 260 outfall on surface and alluvial waters in Cañon de Valle?

These questions were translated into specific data needs. The approach to Phase II data collection was focused on answering these questions and on improving the understanding of the conceptual model. The environmental data collection and sampling scheme included the following tasks:

- sampling in the surface and subsurface of the outfall and drainage area with the advancement of soil borings,
- installing and sampling shallow alluvial wells in Cañon de Valle,
- performing spring sampling and tracer studies,
- collecting sediment and water samples in Cañon de Valle, and
- installing deeper mesa-top wells (a nominal depth of 200 ft) to intersect saturated zones that feed the springs at depths of 70 to 120 ft below the mesa top.

Overall, the approach to the RFI/CMS process at the 260 outfall has been tailored to focus on source identification together with the delineation of soil and sediment contamination and confirmation of groundwater and surface water contamination. During this process, the data have been continually evaluated to determine if contamination is present, if it presents a threat to human health or the environment, if it has been sufficiently delineated, and what further action is needed.

The data evaluation shows contaminant concentrations in the outfall area to be at a level such that an IM is proposed before the next step of the process, the CMS, to mitigate further contaminant transport from the source. Once the source area has been removed, potential effects on groundwater and/or surface water quality will be evaluated (during the site-specific risk assessment and CMS processes).

To complete the CMS process at this site, the following activities and associated documents are proposed:

1. A Phase II RFI report (this document) (FY 98)—This report includes data assessment, conceptual model development, and both human health and ecological screening assessments. Because additional data collection will be required in order to complete the conceptual model and site-specific risk assessment, the site-specific risk assessment for the

site will be delayed until this information is available. This report also includes a recommendation for a source removal IM targeted for completion in 1999. Removal of the highly contaminated source material at this outfall will alleviate additional transport of contaminants into the subsurface and alluvial systems in Cañon de Valle. Source removal early in the process will also provide credibility to the approach for evaluating contaminants remaining in the environment during the CMS process to follow.

2. A CMS plan (submitted with the Phase II RFI report)—The CMS plan will include the following components:

    - a preliminary evaluation of technologies that can be applied to the source area contaminated soils, alluvial sediments, spring waters, and surface water;
    - a process and criteria for evaluating remedial alternatives;
    - a Phase III SAP to characterize contaminant transport through the mesa, to the springs, and to the alluvial system; and
    - a design strategy for long-term monitoring to assess trends in contaminant concentrations and fluxes over time.

3. An IM plan—This plan will detail the source removal effort needed to accomplish the IM (FY 99–FY 00). The plan will consider both risk-based cleanup levels and practical engineering approaches. It will include a SAP that characterizes the extent of contamination remaining in the environment following source removal. This information will be included in the risk assessment and CMS efforts to follow.

4. A Phase III RFI/IM report—This report will document the results of the Phase III data collection, the conceptual model refinement, and the IM efforts. The report will include both human health and ecological site-specific risk assessments, which will be used during the final CMS process to follow.

5. A CMS report—The CMS report will focus on the contaminants remaining in the unsaturated subsurface, the alluvial system in Cañon de Valle, and groundwater. Remedial alternatives and long-term monitoring requirements will be addressed in this report.

Throughout the completion of the CMS process at this site, the CMS technical team will work closely with the Canyons Focus Area to complete data collection activities using compatible and consistent approaches. Following completion of the CMS process for the 260 outfall, the Canyons Focus Area will conduct further evaluations of the Cañon de Valle alluvial system. Details about the transition of this site from the CMS team to the Canyons Focus Area team are still evolving.

1.5 Special Problems

The current understanding of the conceptual model for the 260 outfall indicates a highly complex picture of the site's contaminant pathways and hydrogeology. Contaminant pathways are structurally controlled in the underlying Bandelier Tuff by fractures and other preferential pathways such as surge beds between tuff units. The result of this complexity is major uncertainty regarding the location of saturated zones in the subsurface and the associated contaminant pathways at the site. Further study of the site has been,

and continues to be, warranted. However, these studies can only reduce the uncertainty. Major uncertainty in our understanding of the conceptual model will remain, no matter how much physical investigation is done at the site. Thus, the reader is cautioned that it is impossible to determine the exact extent of contamination at the site in a detailed and spatially explicit manner. Extent can only be described in a gross sense, based on current understanding and on monitoring data as it is obtained.

1.6 Report Organization

This Phase II RFI report is organized into eight sections and ten appendices. To simplify presentation of such a large volume of complex environmental data, a three-compartment approach has been used for this report (as negotiated between the New Mexico Environment Department [NMED] Hazardous and Radioactive Materials Bureau [HRMB] and LANL personnel). Each of the three compartments represents a major investigation within the Phase II data collection activities: (1) the source area investigation, (2) the alluvial system investigation, and (3) the subsurface system investigation.

The source area investigation and its results are presented in Section 2. Section 3 contains the alluvial system investigation and its results. Section 4 presents the subsurface investigation and its results. Section 5 discusses the current understanding of the site conceptual model. Section 6 is a presentation of the human health and ecological screening assessments. Section 7 presents the report conclusions.

Section 8 is a reference list that includes all of the documents cited in the body and appendixes of this report. The parenthetical information following each in-text reference provides the author, publication date, and the ER IS number, and, if applicable, the LANL ER Project Reference Library reference set number for each document. This information can be used to locate the documents on this list as follows.

The ER ID number is assigned by the Laboratory's ER Project to track material associated with LANL PRSs. This number can be used to locate the actual document at the ER Project's Records Processing Facility (RPF) and, where applicable, within the ER Project Reference Library. All cited documents are assigned ER ID numbers.

The reference set number is assigned to locate material in the LANL ER Project Reference Library, which is housed at NMED, HRMB, DOE, and the ER Project Office. This library is a living document that was developed to insure that the AA has all of the necessary material to review the decisions and actions proposed in documents submitted by the Laboratory's ER Project. Documents previously submitted to the AA, and documents that are specific to this RFI report, are not included in the Reference Library. Documents that are specific to this RFI report are attached in Appendix J-2.0, Referenced Documents.

The ten appendices to this report provide additional information about the Phase II RFI investigation:

Appendix	Contents
Appendix A	Glossary of terms and list of acronyms
Appendix B	Environmental setting of TA-16 described in detail
Appendix C	Quality assurance/quality control issues related to data collected during this investigation
Appendix D	Statistical and screening assessment calculations
Appendix E	Description of the field analytical approach and data comparisons
Appendix F	Additional geochemical information
Appendix G	Borehole and well completion logs
Appendix H	Geophysics in the area of the TA-16-260 outfall and drainage
Appendix I	List of analytical suites and abridged analytical results
Appendix J	Administrative history and documents relevant to this report but not part of the OU 1082 reference set

2.0 SOURCE AREA INVESTIGATION

2.1 Summary

The source area of PRS 16-021(c), the outfall from the TA-16-260 machining building, encompasses the drainage from the outfall to the base of the colluvial slope in Cañon de Valle (an area 650 ft long and 15–30 ft wide) and the underlying soil and tuff. Phase I investigations sampled surficial materials within the drainage. During Phase II, additional surface and near-surface samples were collected at a limited number of locations in order to bound the lateral extent of contamination. Thirteen boreholes (BHs), drilled to depths between 17 and 115 ft in and near the drainage, were also sampled during Phase II. Phase II investigations included extensive field screening using immunoassay methods for RDX and TNT as well as laboratory sampling for HE and other chemicals.

Taken together, Phase I and Phase II data provide a much clearer picture of the nature and extent of contamination at the outfall than was available at the conclusion of the Phase I investigation. High levels of HE and barium are observed within the drainage, from the surface to the soil/tuff interface. Soil depths are about 5.5 ft in the former pond area which occupies the drainage from about 40 to 95 ft below the outfall, but only about 1 ft nearer the edge of the mesa (300 to 400 ft from the outfall). Phase II surface sampling confirmed the results of Phase I by demonstrating that surface contamination does not extend laterally beyond the reasonably well-defined drainage. Downgradient within the drainage, concentrations of the major contaminants (barium and the HEs HMX, RDX, and TNT) decrease rapidly beyond the ponded area, although significant levels of HMX and barium do continue to the base of the colluvial slope in Cañon de Valle.

Subsurface sampling indicates that concentrations also decrease rapidly below the soil/tuff interface. However, there is significant subsurface contamination, up to 1000 mg/kg of HE in tuff, within the uppermost tuff unit (Unit 5 of the Tshirege Member of the Bandelier Tuff, Qbt_5) beneath the upper part of the drainage, including the former pond area. Even higher levels—a total of almost 1% HE—were reported in a sample of saturated material from the surge bed that separates Unit 5 from Unit 4, which was encountered at a depth of about 16 ft beneath the pond. Below the level of this surge bed, HE is observed only sporadically and at much lower concentrations (less than 5 mg/kg). As discussed in Section 2.4.4, there is some evidence for stratigraphic control of both concentration levels and lateral migration in the subsurface.

HE and barium are the principal contaminants at the TA-16-260 outfall, although several other metals, including cadmium, chromium, copper, lead, nickel, vanadium, and zinc, are consistently observed above background levels in the drainage. Other organic compounds, particularly anthracene and phthalates, are also detected in several samples. Data from all analytical suites are reviewed in this section.

An IM to remove material from the drainage is proposed for 1999. Approximately 90% of the source term, including the major contaminants as well as the additional organic and inorganic chemicals mentioned above, can be removed by excavating to the soil/tuff interface within the drainage to the edge of the mesa. Most of the remaining RDX/TNT source term can be captured by removing material, to a depth of approximately 20 ft, from below the ponded area and from the next 50–100 ft of the drainage. A significant portion of the remaining HMX and barium is found in surface material between the edge of the mesa and

the bottom of Cañon de Valle. Residual contamination (that is, contamination at greater depths or outside the drainage) is at low levels and cannot be located reliably.

2.2 Phase II Data Needs and Objectives

Prior to the beginning of the RFI investigation of PRS 16-021(c), the TA-16-260 outfall had been extensively sampled for HE only. Levels up to 27 wt % of HMX and RDX had been documented in the area of the former pond. The data showed HE contamination extending from the discharge point to Cañon de Valle. These data are summarized in Table 2.2-1. All samples in Table 2.2-1 are surface (0–6 in.) soil samples taken from the drainage centerline, unless otherwise indicated. Distances from the outfall are approximate, and distances from the centerline were not always recorded. Data are from Baytos (1992, 57082) and King (1971, 05913; 1972, 04953; and 1976, 05920).

Table 2.2-1
HE in the TA-16-260 Drainage Channel, Pre-RFI Data

Collection Date	Sample Location	HE	Result (mg/kg)	EQL[a]
3/11/60	Pond center	RDX	85 000	NA[b]
3/11/60	Pond center	RDX	35 000	NA
3/11/60	Pond center	TNT	13 000	NA
3/11/60	Pond center	TNT	13 000	NA
3/11/60	20 ft below dam	RDX	43 000	NA
3/11/60	20 ft below dam	TNT	17 000	NA
3/11/60	30 ft below dam	RDX	33 000	NA
3/11/60	30 ft below dam	TNT	7000	NA
3/11/60	100 ft below dam	RDX	27 000	NA
3/11/60	100 ft below dam	TNT	400	NA
3/11/60	150 ft below dam	RDX	5000	NA
3/11/60	150 ft below dam	TNT	200	NA
4/29/70	Outfall	HMX/RDX[c]	70 000	NA
4/29/70	Outfall	TNT	0	NA
4/29/70	Pond center	HMX/RDX	205 000	NA
4/29/70	Pond center	TNT	37 000	NA
4/29/70	1 ft below dam	HMX/RDX	48 000	NA
4/29/70	1 ft below dam	TNT	700	NA
4/29/70	Between dam and cliff	HMX/RDX	129 000	NA
4/29/70	Between dam and cliff	TNT	1200	NA
4/29/70	Cliff	HMX/RDX	39 000	NA
4/29/70	Cliff	TNT	1000	NA
11/18/70	10 ft from outfall	HMX/RDX	32 000	NA
11/18/70	10 ft from outfall	TNT	0	NA
11/18/70	Inlet to pond	HMX/RDX	141 000	NA
11/18/70	Inlet to pond	TNT	1000	NA

Table 2.2-1 (continued)

Collection Date	Sample Location	HE	Result (mg/kg)	EQL[a]
11/18/70	10 ft above dam	HMX/RDX	221 000	NA
11/18/70	10 ft above dam	TNT	5000	NA
11/18/70	5 ft below dam	HMX/RDX	145 000	NA
11/18/70	5 ft below dam	TNT	2000	NA
11/5/71	10 ft from outfall	HMX/RDX	29 000	NA
11/5/71	10 ft from outfall	TNT	0	NA
11/5/71	Pond inlet	HMX/RDX	108 000	NA
11/5/71	Pond inlet	TNT	0	NA
11/5/71	10 ft above dam	HMX/RDX	257 000	NA
11/5/71	10 ft above dam	TNT	0	NA
11/5/71	10 ft below dam	HMX/RDX	225 000	NA
11/5/71	10 ft below dam	TNT	0	NA
8/22/73	10 ft from outfall	HMX/RDX	13 000	NA
8/22/73	10 ft from outfall	TNT	0	NA
11/14/74	Outfall	HMX/RDX	17 000	NA
11/14/74	Outfall	TNT	0	NA
11/14/74	1 ft above dam	HMX/RDX	171 000	NA
11/14/74	1 ft above dam	TNT	1000	NA
11/14/74	50 ft below dam	HMX/RDX	137 000	NA
11/14/74	50 ft below dam	TNT	2000	NA
12/5/75	10 ft from outfall	HMX/RDX	2000	NA
12/5/75	10 ft from outfall	TNT	0	NA
12/5/75	1 ft above dam	HMX/RDX	92 000	NA
12/5/75	1 ft above dam	TNT	0	NA
11/19/76	10 ft from outfall	HMX/RDX	2000	NA
11/19/76	10 ft from outfall	TNT	0	NA
11/19/76	50 ft from outfall	HMX/RDX	30 000	NA
11/19/76	50 ft from outfall	TNT	1000	NA
11/19/76	65 ft from outfall	HMX/RDX	267 000	NA
11/19/76	65 ft from outfall	TNT	3000	NA
11/19/76	250 ft from outfall	HMX/RDX	173 000	NA
11/19/76	250 ft from outfall	TNT	3000	NA
7/18/84	3 ft from outfall	HMX/RDX	3000	NA
7/18/84	3 ft from outfall	TNT	0	NA
7/18/84	30 ft from outfall	HMX/RDX	104 000	NA
7/18/84	30 ft from outfall	TNT	9000	NA
7/18/84	50 ft from outfall	HMX/RDX	167 000	NA
7/18/84	50 ft from outfall	TNT	23 000	NA
9/12/85	30 ft from outfall	HMX/RDX	20 000	NA
9/12/85	30 ft from outfall	TNT	1000	NA

Table 2.2-1 (continued)

Collection Date	Sample Location	HE	Result (mg/kg)	EQL[a]
9/12/85	110 ft from outfall	HMX/RDX	266 000	NA
9/12/85	110 ft from outfall	TNT	48 000	NA
9/12/85	230 ft from outfall	HMX/RDX	17 000	NA
9/12/85	230 ft from outfall	TNT	1000	NA
7/21/91	1 ft from outfall	HMX	26 400	NA
7/21/91	1 ft from outfall	RDX	8000	100
7/21/91	1 ft from outfall	TNT	700	100
7/21/91	20 ft from outfall	HMX	4000	NA
7/21/91	20 ft from outfall	RDX	14 000	100
7/21/91	20 ft from outfall	TNT	10 000	100
7/21/91	40 ft from outfall	HMX	1000	NA
7/21/91	40 ft from outfall	RDX	100	100
7/21/91	40 ft from outfall	TNT	< 100	100
7/21/91	45 ft from outfall	HMX	29 400	NA
7/21/91	45 ft from outfall	RDX	< 100	100
7/21/91	45 ft from outfall	TNT	< 1 00	100
7/21/91	50 ft from outfall, center pool	HMX	43 800	NA
7/21/91	50 ft from outfall, center pool	RDX	5000	100
7/21/91	50 ft from outfall, center pool	TNT	< 100	100
7/21/91	60 ft from outfall, center pool	HMX	40 000	NA
7/21/91	60 ft from outfall, center pool	RDX	24 000	100
7/21/91	60 ft from outfall, center pool	TNT	< 100	100
7/21/91	60 ft from outfall, north edge of pond	HMX	5000	NA
7/21/91	60 ft from outfall, north edge of pond	RDX	400	100
7/21/91	60 ft from outfall, north edge of pond	TNT	< 100	100
7/21/91	70 ft from outfall	HMX	39 000	NA
7/21/91	70 ft from outfall	RDX	51 800	100
7/21/91	70 ft from outfall	TNT	6000	100
7/21/91	70 ft from outfall, north edge of pond	HMX	90 000	NA
7/21/91	70 ft from outfall, north edge of pond	RDX	100 000	100
7/21/91	70 ft from outfall, north edge of pond	TNT	20 000	100
7/21/91	80 ft from outfall	HMX	97 000	NA
7/21/91	80 ft from outfall	RDX	126 000	100
7/21/91	80 ft from outfall	TNT	30 000	100
7/21/91	90 ft from outfall	HMX	13 250	NA
7/21/91	90 ft from outfall	RDX	134 700	100
7/21/91	90 ft from outfall	TNT	20 000	100
7/21/91	90 ft from outfall, north edge of pond	HMX	23 000	NA
7/21/91	90 ft from outfall, north edge of pond	RDX	340 000	100
7/21/91	90 ft from outfall, north edge of pond	TNT	71 000	100

Table 2.2-1 (concluded)

Collection Date	Sample Location	HE	Result (mg/kg)	EQL[a]
7/21/91	110 ft from outfall	HMX	62 000	NA
7/21/91	110 ft from outfall	RDX	14 000	100
7/21/91	110 ft from outfall	TNT	3000	100
11/15/91	90 ft from outfall, 12 in. from north edge	HMX	56 300	NA
11/15/91	90 ft from outfall, 12 in. from north edge	RDX	19 700	100
11/15/91	91 ft from outfall	HMX	29 100	NA
11/15/91	91 ft from outfall	RDX	700	100
11/15/91	91 ft from outfall	TNT	300	100
11/15/91	91 ft from outfall, 2 in. deep	HMX	66 800	NA
11/15/91	91 ft from outfall, 2 in. deep	RDX	9600	100
11/15/91	91 ft from outfall, 2 in. deep	TNT	< 100	100
11/15/91	91 ft from outfall, 8 in. deep	HMX	54 100	NA
11/15/91	91 ft from outfall, 8 in. deep	RDX	7100	100
11/15/91	91 ft from outfall, 8 in. deep	TNT	2200	100
11/15/91	91 ft from outfall, 13 in. deep	HMX	96 000	NA
11/15/91	91 ft from outfall, 13 in. deep	RDX	38 900	100
11/15/91	91 ft from outfall, 13 in. deep	TNT	4200	100
11/15/91	91 ft from outfall, 8 in. from edge, 13 in. deep	HMX	92 400	NA
11/15/91	91 ft from outfall, 8 in. from edge, 13 in. deep	RDX	155 200	100
11/15/91	91 ft from outfall, 8 in. from edge, 13 in. deep	TNT	93 400	100
11/15/91	91 ft from outfall, 12 in. from edge, 13 in. deep	HMX	106 300	NA
11/15/91	91 ft from outfall, 12 in. from edge, 13 in. deep	RDX	171 800	100
11/15/91	91 ft from outfall, 12 in. from edge, 13 in. deep	TNT	9700	100
11/15/91	135 ft from outfall	HMX	20 900	NA
11/15/91	135 ft from outfall	RDX	1900	100
11/15/91	135 ft from outfall	TNT	300	100
11/15/91	210 ft from outfall	HMX	37 300	NA
11/15/91	210 ft from outfall	RDX	6300	100
11/15/91	210 ft from outfall	TNT	100	100

[a] Estimated from minimum reported values.

[b] NA = Not available.

[c] Early HE determinations were made by ultraviolet spectrophotometric methods, which did not quantitatively distinguish HMX from RDX.

RFI investigations conducted during 1995 at PRS 16-021(c), and reported in the Phase I RFI Report (LANL 1996, 55077), confirmed the existence of very high levels of HE contamination in the surface and near-surface soils and sediments within 600 ft of the outfall. Strongly decreasing trends downgradient from the pond were established, but the extent of contamination was not completely bounded either laterally or down the drainage. Phase I sampling included no samples from a depth of more than 2 ft, and almost all samples were 0- to 6-in. surface sediment samples.

Additional contaminants were identified by the Phase I investigation: barium (a constituent of some HE) at levels up to 3 wt %, several other metals at levels slightly above background, and generally low levels of organics. Of these additional contaminants, only barium and bis(2-ethylhexyl)phthalate, a plasticizer used in explosives, exceeded the human health SAL in any sample.

Nearby springs emerge approximately 100 ft below the mesa top, into Cañon de Valle and into a tributary of Water Canyon. Preliminary sampling indicates the presence of HE in groundwaters that feed these springs. The hydrology of TA-16, and in particular the connectivity between mesa-top release sites such as the TA-16-260 outfall and these springs, is not well understood. There are other potential sources of HE for these waters at TA-16, but the levels of contamination resident at PRS 16-021(c) make it one of the prime candidates for the source of spring contamination.

The following Phase II objectives for source area sampling in the TA-16-260 outfall drainage and immediately adjacent media were identified in the Phase I RFI Report (LANL 1996, 55077, p. 60):

1. to bound the lateral extent of surface contamination, particularly at those points where Phase I transects across the drainage failed to bound HE contamination,

2. to determine the depth of the very high levels of contamination in the ponded area of the outfall as well as the lower parts of the drainage, and

3. to investigate the migration of contamination into the underlying bedrock and characterize subsurface pathways in the immediate vicinity of the outfall in order to generate hypotheses about transport to springs and groundwater.

The SAP included in the Phase I RFI Report for PRS 16-021(c) (LANL 1996, 55077) proposed to accomplish these objectives by

1. surface and near-surface sampling along two transects perpendicular to the main axis of the drainage and located 200 ft and 600 ft, respectively, below the outfall. The six transects included in Phase I were spaced at 100-ft intervals below the outfall. Of the six, the 200- and 600-ft trausects were the two where contamination did not appear to be adequately bounded by samples collected between 5 and 12 ft from the axis of the drainage (see Figure 5.2.9-1 in LANL 1996, 55077).

2. sampling in 12 BHs to be drilled in or near the outfall drainage to a depth of approximately 70 ft. In particular, BHs drilled in the drainage itself were to provide deeper sediment samples or soil/tuff interface samples as well as data from the underlying bedrock. Section 2.3 describes the implementation of this Phase II program. The results of the Phase II sampling, combined with those of Phase I, are presented in Section 2.4.

2.3 Scope of Sampling and Analysis

2.3.1 Summary

The domain of the Phase II field investigation conducted during 1997 at the PRS 16-021(c) source area included the Bandelier Tuff and groundwater (if present) down to a maximum depth of approximately 100 ft in the area beneath and around the TA-16-260 outfall drainage channel. The majority of samples generated during the investigation were subsurface tuff samples collected using either hollow-stem auger or wet-coring drilling methods. The investigation also included some surface and shallow subsurface sediments within and adjacent to the drainage channel. These samples were collected using hand sampling methods.

Resistivity profiling surveys were conducted to identify possible zones of increased subsurface moisture and fracture zones (see Section 4.4.1.2.) These results were used to bias BH locations. BH locations were selected both within and outside low resistivity zones, as shown on Figure 2.3-1. Monitoring wells were installed in the four BHs judged most likely to produce water, including the two in which water was observed during drilling.

All Phase II samples were field screened for HE using DTech immunoassay/colorimetric methods. Screening data were used to bound the extent of contamination both laterally and vertically in the field; confirmatory laboratory samples were selected at the ends of lateral transects and at the bottom of vertical BHs from segments for which the DTech results were nondetects. The screening data also provided more complete coverage of the subsurface than could be obtained from the laboratory samples alone. The accuracy and precision of the DTech screening methods are evaluated in Appendix E.

Phase II laboratory samples were analyzed for HE, inorganic chemicals, and VOCs and SVOCs. Although above-background levels of uranium were reported in some Phase I samples, no uranium analyses were required by the Phase II sampling and analysis plan for the source area. However, uranium was analyzed for in Phase II sediment and water samples collected in Cañon de Valle (see Section 3).

2.3.2 Field Investigation

Fifteen BHs were drilled during the Phase II source area investigation of PRS 16-021(c), including two that were drilled as continuations of adjacent abandoned BHs. Screening samples were collected every 5 ft for the entire drilled length of each BH. A minimum of two analytical samples were collected from each BH; these were selected based on screening results and/or lithology. Surface and near-surface samples were collected along two transects across the drainage channel as well as at two BH locations within the channel (16-2709 and 16-2710). All sampling locations, including Phase I sampling locations, are shown in Figure 2.3-1.

A total of 209 screening samples (187 from the BHs and the remainder from the transects) and 57 analytical laboratory samples were collected in the source area during the Phase II investigation. The laboratory samples include two collocated subsurface samples. All but one of the Phase II laboratory samples were analyzed for HE, VOCs, SVOCs, and inorganics; sample 0316-96-0282 from BH 16-2705 was analyzed only for VOCs. Table 2.3-1 lists the 37 Phase I samples (those with location IDs up to 16-1409) as well as the 57 Phase II laboratory samples by location and depth. It provides the analytical laboratory request numbers for each sample. Additional information, including the sample collection date, the analysis date, and the analytical laboratory for each sample, is provided in Appendix I.

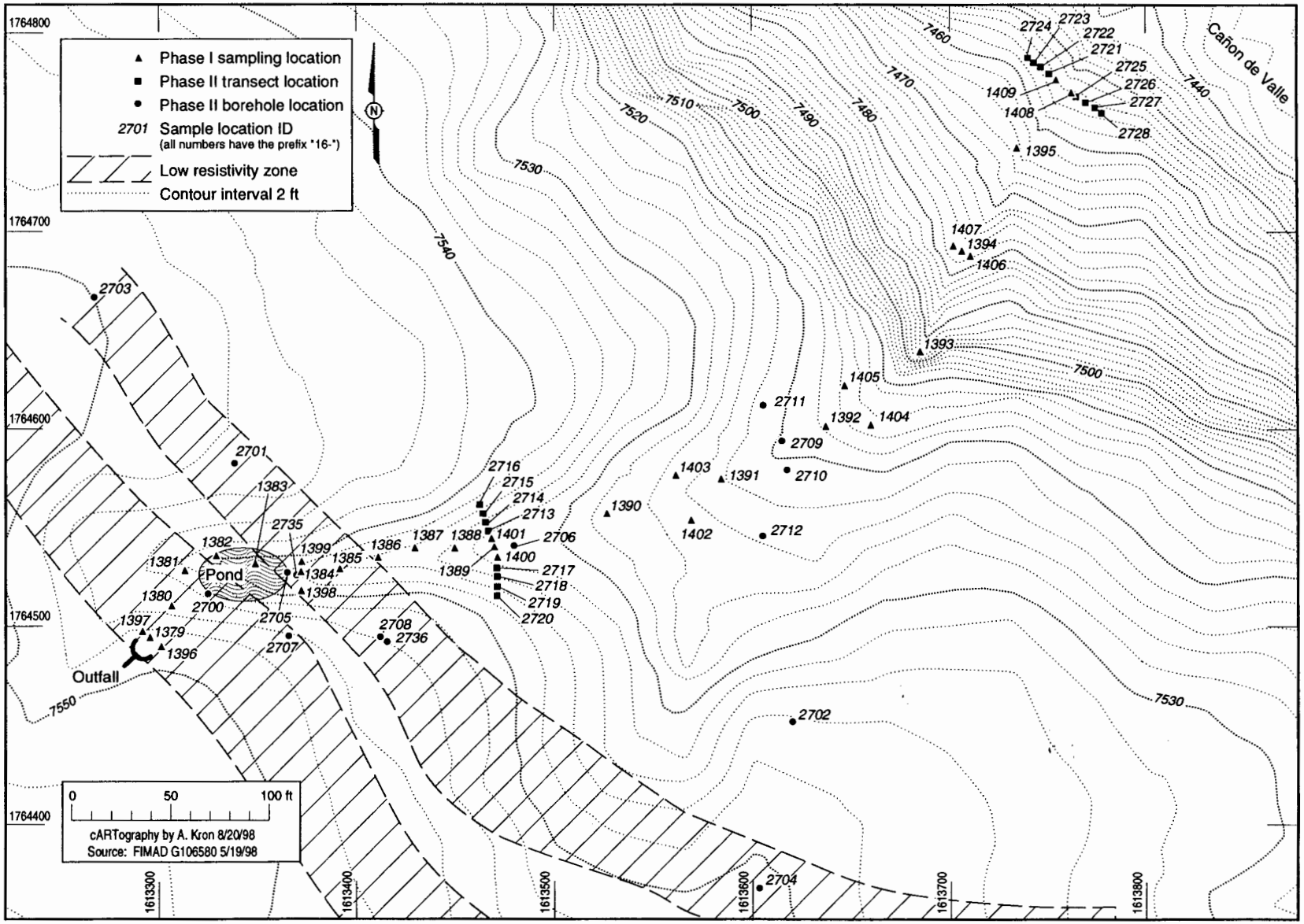


Figure 2.3-1. Phase I and Phase II sampling locations for the TA-16-260 outfall source area

Table 2.3-1
Summary of Phase I and Phase II Samples Collected for Fixed Laboratory Analysis at the TA-16-260 Outfall Source Area

Location ID	Sample ID	Sample Type	Depth (ft)	Media	VOCs	SVOCs	HE	Inorganic Chemicals	Total Uranium
16-1379	0316-95-0027	Grab	0–0.5	SED[a]	NA[b]	1268	1268	1269	1270
16-1379	0316-95-0044	Grab	1–1.5	SED	1173	1173	1173	1174	1175
16-1379	0316-95-2015	Grab, split	1–1.5	SED	1173	1173	1173	1174	1175
16-1380	0316-95-0028	Grab	0–0.5	SED	NA	1268	1268	1269	1270
16-1381	0316-95-0029	Grab	0–0.5	SED	NA	563	563	564	565
16-1382	0316-95-0030	Grab	0–0.5	SED	NA	563	563	564	565
16-1382	0316-95-2012	Grab, collocated	0–0.5	SED	NA	563	563	564	565
16-1382	0316-95-0045	Grab	1.5–1.9	SED	1173	1173	1173	1174	1175
16-1383	0316-95-0031	Grab	0–0.5	SED	NA	563	563	564	565
16-1383	0316-95-2013	Grab, collocated	0–0.5	SED	NA	563	563	564	565
16-1383	0316-95-0046	Grab	1.7–2.2	SED	1173	1173	1173	1174	1175
16-1384	0316-95-0032	Grab	0–0.5	SED	NA	1268	1268	1269	1270
16-1385	0316-95-0033	Grab	0–0.5	SED	NA	563	563	564	565
16-1386	0316-95-0034	Grab	0–0.5	SED	NA	563	563	564	565
16-1387	0316-95-0035	Grab	0–0.5	SED	NA	563	563	564	565
16-1388	0316-95-0036	Grab	0–0.5	SED	NA	563	563	564	565
16-1389	0316-95-0037	Grab	0–0.5	SED	NA	563	563	564	565
16-1390	0316-95-0038	Grab	0–0.5	SED	NA	1268	1268	1269	1270
16-1391	0316-95-0039	Grab	0–0.5	SED	NA	1268	1268	1269	1270
16-1392	0316-95-0040	Grab	0–0.5	SED	NA	1268	1268	1269	1270
16-1393	0316-95-0041	Grab	0–0.5	SED	NA	1268	1268	1269	1270
16-1394	0316-95-0042	Grab	0–0.5	SED	NA	1268	1268	1269	1270
16-1395	0316-95-0043	Grab	0–0.5	SED	NA	1268	1268	1269	1270
16-1396	0316-95-0014	Grab	0–0.5	SED	NA	972	972	978	979
16-1397	0316-95-0013	Grab	0–0.5	SED	NA	972	972	978	979
16-1398	0316-95-0016	Grab	0–0.5	SED	NA	972	972	978	979
16-1399	0316-95-0015	Grab	0–0.5	SED	NA	972	972	978	979
16-1400	0316-95-0018	Grab	0–0.5	SED	NA	972	972	978	979
16-1401	0316-95-0017	Grab	0–0.5	SED	NA	972	972	978	979
16-1402	0316-95-0020	Grab	0–0.5	SED	NA	972	972	978	979
16-1403	0316-95-0019	Grab	0–0.5	SED	NA	972	972	978	979
16-1404	0316-95-0022	Grab	0–0.2	SED	NA	972	972	978	979
16-1405	0316-95-0021	Grab	0–0.5	SED	NA	972	972	978	979
16-1406	0316-95-0024	Grab	0–0.5	SED	NA	1222	1222	1223	1224
16-1407	0316-95-0023	Grab	0–0.5	SED	NA	1222	1222	1223	1224

Table 2.3-1 (continued)

Location ID	Sample ID	Sample Type	Depth (ft)	Media	VOCs	SVOCs	HE	Inorganic Chemicals	Total Uranium
16-1408	0316-95-0026	Grab	0–0.5	SED	NA	1222	1222	1223	1224
16-1409	0316-95-0025	Grab	0–0.5	SED	NA	1222	1222	1223	1224
16-2700	0316-96-0252	Grab	16.2–17.5	Surge	2818	2818	2820	2819	NA
16-2700	0316-96-0250	Grab	7–8	Qbt_5	2778	2778	2780	2779	NA
16-2700	0316-96-0254	Grab	15.5–16.5	Qbt_5	2809	2809	2811	2810	NA
16-2701	0316-97-0256	Grab	3.5–4.5	SED	3774R[c]	3774R	3775R	3776R	NA
16-2701	0316-97-0257	Grab	74–75	Qbt_4	3827R	3827R	3828R	3829R	NA
16-2702	0316-97-0262	Grab	3–4	SED	3857R	3857R	3859R	3858R	NA
16-2702	0316-97-0264	Grab	29–30	Qbt_4	3879R	3879R	3880R	3881R	NA
16-2702	0316-97-0263	Grab	69–70	Qbt_4	3879R	3879R	3880R	3881R	NA
16-2703	0316-97-0268	Grab	3.5–4.5	SED	3902R	3902R	3903R	3904R	NA
16-2703	0316-97-0270	Grab	53–54	Qbt_4	3902R	3902R	3903R	3904R	NA
16-2703	0316-97-0269	Grab	69–70	Qbt_4	3902R	3902R	3903R	3904R	NA
16-2704	0316-97-0274	Grab	4–5	SED	3827R	3827R	3828R	3829R	NA
16-2704	0316-97-0276	Grab	23–24	Qbt_4	3860R	3860R	3861R	3862R	NA
16-2704	0316-97-0277	Grab	28–29	Qbt_4	3860R	3860R	3861R	3862R	NA
16-2704	0316-97-0275	Grab	69–70	Qbt_4	3827R	3827R	3828R	3829R	NA
16-2705	0316-96-0280	Grab	4–5	Qbt_5	2821	2821	2823	2822	NA
16-2705	0316-96-0282	Grab	8.5–9.5	Qbt_5	2850	NA	NA	NA	NA
16-2705	0316-96-0281	Grab	12.5–13.5	Qbt_5	2850	2850	2853	2849	NA
16-2706	0316-97-0286	Grab	4–5	Qbt_5	3517R	3517R	3518R	3519R	NA
16-2706	0316-97-2020	Grab, collocated	4–5	Qbt_5	3517R	3517R	3518R	3519R	NA
16-2706	0316-97-0289	Grab	18–19	Qbt_5	3579R	3579R	3580R	3581R	NA
16-2706	0316-97-0288	Grab	74–75	Qbt_4	3539R	3539R	3540R	3541R	NA
16-2706	0316-97-0287	Grab	79–80	Qbt_4	3539R	3539R	3540R	3541R	NA
16-2707	0316-96-0292	Grab	7.5–8.5	Qbt_5	2762	2762	2764	2763	NA
16-2707	0316-96-0293	Grab	24–25	Qbt_5	2762	2762	2764	2763	NA
16-2707	0316-96-0296	Grab	39–40	Qbt_4	2762	2762	2764	2763	NA
16-2707	0316-96-0294	Grab	64–65	Qbt_4	2778	2778	2780	2779	NA
16-2707	0316-96-0295	Grab	68.5–69.5	Qbt_4	2778	2778	2780	2779	NA
16-2708	0316-97-0298	Grab	4–5	SED	3215R	3215R	3216R	3217R	NA
16-2709	0316-97-0389	Grab	0.5–1	SED	3621R	3621R	3622R	3623R	NA
16-2709	0316-97-0304	Grab	3.5–4.5	Qbt_5	3612R	3612R	3613R	3614R	NA
16-2709	0316-97-0305	Grab	21.5–22.5	Qbt_5	3644R	3644R	3645R	3646R	NA
16-2710	0316-97-0388	Grab	0.5–1	SED	3621R	3621R	3622R	3623R	NA
16-2710	0316-97-0310	Grab	4–5	Qbt_5	3621R	3621R	3622R	3623R	NA
16-2710	0316-97-0312	Grab	35–36	Qbt_4	3652R	3652R	3653R	3654R	NA
16-2710	0316-97-0311	Grab	38.5–39.5	Qbt_4	3652R	3652R	3653R	3654R	NA
16-2711	0316-97-0316	Grab	3.5–4.5	Qbt_5	3757R	3757R	3758R	3759R	NA

Table 2.3-1 (concluded)

Location ID	Sample ID	Sample Type	Depth (ft)	Media	VOCs	SVOCs	HE	Inorganic Chemicals	Total Uranium
16-2711	0316-97-0317	Grab	69–70	Qbt_4	3757R	3757R	3758R	3759R	NA
16-2712	0316-97-0322	Grab	4–5	Qbt_5	3706R	3706R	3707R	3708R	NA
16-2712	0316-97-0324	Grab	83–83.8	Qbt_4	3737R	3737R	3739R	3738R	NA
16-2712	0316-97-0323	Grab	89–90	Qbt_4	3737R	3737R	3739R	3738R	NA
16-2713	0316-97-0328	Grab	0–0.5	SED	3827R	3827R	3828R	3829R	NA
16-2716	0316-97-0330	Grab	2–2.8	SED	3827R	3827R	3828R	3829R	NA
16-2717	0316-97-0329	Grab	0–0.5	SED	3827R	3827R	3828R	3829R	NA
16-2718	0316-97-0331	Grab	2–2.8	SED	3827R	3827R	3828R	3829R	NA
16-2718	0316-97-2021	Grab, collocated	2–2.8	SED	3827R	3827R	3828R	3829R	NA
16-2724	0316-97-0332	Grab	0–0.5	SED	3879R	3879R	3880R	3881R	NA
16-2726	0316-97-0333	Grab	0–0.5	SED	3879R	3879R	3880R	3881R	NA
16-2735	0316-97-0280	Grab	4–5	Qbt_5	3388R	3388R	3389R	3390R	NA
16-2735	0316-97-0282	Grab	24.7–25.3	Qbt_4	3461R	3461R	3462R	3463R	NA
16-2735	0316-97-0283	Grab	34–35	Qbt_4	3461R	3461R	3462R	3463R	NA
16-2735	0316-97-0390	Grab	54–55	Qbt_4	3478R	3478R	3479R	3480R	NA
16-2735	0316-97-0391	Grab	63–63.8	Qbt_4	3478R	3478R	3479R	3480R	NA
16-2735	0316-97-0392	Grab	74.4–75.4	Qbt_4	3478R	3478R	3479R	3480R	NA
16-2735	0316-97-0393	Grab	80.5–81.5	Qbt_4	3478R	3478R	3479R	3480R	NA
16-2736	0316-97-0300	Grab	99–100	Qbt_3	3344R	3344R	3346R	3345R	NA
16-2736	0316-97-0299	Grab	104–105	Qbt_3	3330R	3330R	3332R	3331R	NA

[a] SED = Sediment.
Qbt# = Tuff Unit #
[b] NA = Analysis was not performed for this sample.

HE field screening consisted of the HE spot test (LANL ER SOP 10.06), which was performed at the site immediately following sample collection, and RDX- and TNT-sensitive immunoassay/colorimetric screening performed at the field trailer located near former building TA-16-027 using DTech kits. Daily quality assurance/quality control (QA/QC) evaluations of the DTech method were performed using RDX- and TNT-spiked performance evaluation (PE) samples (see Appendix E). The minimum detection limit of the DTech Explosive Test Kits for RDX and TNT is 0.5 mg/kg (ppm) in soil. Transect samples were also field-screened for VOCs with a photoionization detector (PID). The approximate detection limit for the PID is 1 ppm.

Spot test, immunoassay, and PID screening results are provided in Table 2.3-2, which also identifies the corresponding laboratory samples. In general, the laboratory samples are either splits of the screening sample or collected from the same 1-ft core interval, but, in a few cases, the laboratory sample was taken from an adjacent segment of core.

Table 2.3-2
Summary of Phase II Screening Samples Collected at the TA-16-260 Outfall Source Area

Location ID	Screening Sample ID	Depth (ft)	Media	HE Spot Test Result	DTech Results RDX/TNT (ppm)	Laboratory Sample ID
16-2700	0316-96-1550	7.0–8.0	Qbt_5	Positive	1.29/NT[a]	0316-96-0250
16-2700	0316-96-1551	9.0–10.0	Qbt_5	Positive	150/NT	None
16-2700	0316-96-1552	14–15	Qbt_5	Positive	61/NT	None
16-2700	0316-96-1553	15.5–16.5	Qbt_5, Surge bed	Positive	533/NT	0316-96-0254
16-2700	None	NA	Surge bed water/slurry	NT	NT	0316-96-0252
16-2701	0316-97-1566	3.5–4.5	Soil	Negative	<0.5/<0.5	0316-97-0256
16-2701	0316-97-1567	7.5–8.5	Qbt_5	Negative	<0.5/<0.5	None
16-2701	0316-97-1568	14.0–15.0	Qbt_5	Negative	1.5/<0.5	None
16-2701	0316-97-1569	18.5–19.5	Qbt_5	Negative	<0.5/<0.5	None
16-2701	0316-97-1570	24.0–25.0	Qbt_4	Negative	<0.5/<0.5	None
16-2701	0316-97-1571	28.5–29.5	Qbt_4	Negative	(1.56&3.6)/ <0.5	None
16-2701	0316-97-1572	34.0–35.0	Qbt_4	Negative	<0.5/<0.5	None
16-2701	0316-97-1573	38.5–39.5	Qbt_4	Negative	<0.5/<0.5	None
16-2701	0316-97-1574	44.0–45.0	Qbt_4	Negative	<0.5/<0.5	None
16-2701	0316-97-1575	48.5–49.5	Qbt_4/surge bed	Negative	<0.5/<0.5	None
16-2701	0316-97-1576	54.0–55.0	Qbt_4/surge bed	NT	<0.5/<0.5	None
16-2701	0316-97-1577	58.0–59.0	Qbt_4/surge bed	NT	2.28/<0.5	None
16-2701	0316-97-1578	64.0–65.0	Qbt_4	NT	<0.5/<0.5	None
16-2701	0316-97-1579	69.25–69.75	Qbt_4	Negative	2.4/<0.5	None
16-2701	0316-97-1580	74.0–75.0	Qbt_4	Negative	<0.5/<0.5	0316-97-0257
16-2701	0316-97-1581	79.0–80.0	Qbt_4	Negative	<0.5/<0.5	None
16-2701	0316-97-1806	84.0–85.0	Qbt_4	Negative	<0.5/<0.5	None
16-2702	0316-97-1582	3.0–4.0	Qbt_5	Negative	<0.5/<0.5	0316-97-0262
16-2702	0316-97-1584	14.0–15.0	Qbt_5	Negative	<0.5/<0.5	None
16-2702	0316-97-1585	19.0–20.0	Qbt_5	Negative	<0.5/<0.5	None
16-2702	0316-97-1586	24.0–25.0	Qbt_5	Negative	<0.5/<0.5	None
16-2702	0316-97-1587	29.0–30.0	Qbt_4	Negative	<0.5/0.71	0316-97-0264
16-2702	0316-97-1588	34.0–35.0	Qbt_4	Negative	<0.5/<0.5	None
16-2702	0316-97-1589	38.5–39.5	Qbt_4	Negative	<0.5/<0.5	None
16-2702	0316-97-1590	43.5–44.5	Qbt_4	Negative	<0.5/<0.5	None
16-2702	0316-97-1591	48.5–49.5	Qbt_4	Negative	<0.5/<0.5	None
16-2702	0316-97-1592	53.5–54.5	Qbt_4	Negative	<0.5/<0.5	None
16-2702	0316-97-1593	58.5–59.5	Qbt_4/non-welded	Negative	<0.5/<0.5	None
16-2702	0316-97-1594	64.0–65.0	Qbt_4/surge bed	Negative	<0.5/<0.5	None
16-2702	0316-97-1595	69.0–70.0	Qbt_4	Negative	<0.5/<0.5	0316-97-0263

Table 2.3-2 (continued)

Location ID	Screening Sample ID	Depth (ft)	Media	HE Spot Test Result	DTech Results RDX/TNT (ppm)	Laboratory Sample ID
16-2703	0316-97-1600	3.5–4.5	Soil/cobbles	Negative	<0.5/<0.5	0316-97-0268
16-2703	0316-97-1602	13.5–14.5	Qbt_5	Negative	<0.5/<0.5	None
16-2703	0316-97-1603	18.5–19.5	Qbt_5	Negative	<0.5/<0.5	None
16-2703	0316-97-1604	23.75–24.75	Qbt_4	Negative	<0.5/<0.5	None
16-2703	0316-97-1605	28.0–29.0	Qbt_4	Negative	<0.5/<0.5	None
16-2703	0316-97-1606	33.25–34.25	Qbt_4	Negative	<0.5/<0.5	None
16-2703	0316-97-1607	38.5–39.5	Qbt_4	Negative	<0.5/<0.5	None
16-2703	0316-97-1608	43.5–44.5	Qbt_4	Negative	<0.5/<0.5	None
16-2703	0316-97-1609	48.0–49.0	Qbt_4/non-welded	Negative	<0.5/<0.5	None
16-2703	0316-97-1610	53.0–54.0	Qbt_4/non-welded	Negative	<0.5/1.8	0316-97-0270
16-2703	0316-97-1611	57.5–57.75	Qbt_4/non-welded	Negative	<0.5/<0.5	None
16-2703	0316-97-1612	63.5–64.5	Qbt_4	Negative	<0.5/<0.5	None
16-2703	0316-97-1613	69.0–70.0	Qbt_4	Negative	<0.5/<0.5	0316-97-0269
16-2704	0316-97-1616	4.0–5.0	Soil/Qbt_5 interface	Negative	<0.5/<0.5	0316-97-0274
16-2704	0316-97-1617	9.0–10.0	Qbt_5	Negative	<0.5/<0.5	None
16-2704	0316-97-1618	14.0–15.0	Qbt_4	Negative	<0.5/<0.5	None
16-2704	0316-97-1619	19.0–20.0	Qbt_4	Negative	<0.5/<0.5	None
16-2704	None	23.0–24.0	Qbt_4	NT	NT	0316-97-0276
16-2704	0316-97-1620	24.0–25.0	Qbt_4	Negative	2.40/0.71	None
16-2704	None	28.0–29.0	Qbt_4	NT	NT	0316-97-0277
16-2704	0316-97-1621	29.0–30.0	Qbt_4	Negative	<0.5/0.79	None
16-2704	0316-97-1622	34.0–35.0	Qbt_4	Negative	<0.5/<0.5	None
16-2704	0316-97-1623	39.0–40.0	Qbt_4	Negative	<0.5/<0.5	None
16-2704	0316-97-1624	44.0–45.0	Qbt_4	Negative	<0.5/<0.5	None
16-2704	0316-97-1625	49.0–50.0	Qbt_4	Negative	<0.5/<0.5	None
16-2704	0316-97-1626	53.2–54.2	Qbt_4/non-welded	Negative	<0.5/<0.5	None
16-2704	0316-97-1627	58.5–59.5	Qbt_4/non-welded	Negative	<0.5/<0.5	None
16-2704	0316-97-1628	63.3–64.3	Qbt_4/non-welded	Negative	<0.5/<0.5	None
16-2704	0316-97-1629	69.0–70.0	Qbt_4	Negative	<0.5/<0.5	0316-97-0275
16-2705	0316-96-1632	4.0–5.0	Qbt_5	Negative	3.9/NT	0316-96-0280
16-2705	0316-96-1633	8.5–9.5	Qbt_5	Negative	1.8/NT	0316-96-0282
16-2705	0316-96-1634	12.5–13.5	Qbt_5	Negative	2.7/NT	0316-96-0281

Table 2.3-2 (continued)

Location ID	Screening Sample ID	Depth (ft)	Media	HE Spot Test Result	DTech Results RDX/TNT (ppm)	Laboratory Sample ID
16-2706	0316-97-1648	4.0–5.0	Qbt_5	Positive	1.62/<0.5	0316-97-0286 0316-97-2020
16-2706	0316-97-1649	18.0–19.0	Qbt_5/surge bed	Positive	<0.5/<0.5	0316-97-0289
16-2706	0316-97-1650	23.0–24.0	Qbt_4	Positive	<0.5/<0.5	None
16-2706	0316-97-1651	28.0–29.0	Qbt_4	Negative	3.60/<0.5	None
16-2706	0316-97-1652	34.5–35.5	Qbt_4	Negative	NT/<0.5	None
16-2706	0316-97-1653	39.0–40.0	Qbt_4	Negative	<0.5/<0.5	None
16-2706	0316-97-1654	43.5–44.5	Qbt_4	Negative	<0.5/<0.5	None
16-2706	0316-97-1655	48.5–49.5	Qbt_4	Negative	<0.5/<0.5	None
16-2706	0316-97-1656	53.5–54.5	Qbt_4	Negative	<0.5/<0.5	None
16-2706	0316-97-1657	59.0–60.0	Qbt_4	Negative	<0.5/0.57	None
16-2706	0316-97-1658	63.83–64.83	Qbt_4	Positive	2.64/<0.5	None
16-2706	0316-97-1659	69.0–70.0	Qbt_4	Positive	<0.5/<0.5	None
16-2706	0316-97-1660	74.0–75.0	Qbt_4	Positive	<0.5/<0.5	0316-97-0288
16-2706	0316-97-1661	79.0–80.0	Qbt_4	Negative	<0.5/<0.5	None
16-2706	0316-97-1662	83.0–84.0	Qbt_4	Negative	<0.5/<0.5	None
16-2706	0316-97-1663	89.0–90.0	Qbt_4	Negative	<0.5/<0.5	0316-97-0287
16-2707	0316-96-1665	7.5–8.5	Qbt_5	Negative	<0.5/NT	0316-96-0292
16-2707	0316-96-1666	14–15	Qbt_5	Negative	<0.5/NT	None
16-2707	0316-96-1667	18.5–19.5	Qbt_5	Negative	0.71/NT	None
16-2707	0316-96-1668	24–25	Qbt_5	Negative	0.87/NT	0316-96-0293
16-2707	0316-96-1669	28–29	Qbt_4	Negative	0.76/NT	None
16-2707	0316-96-1670	34–35	Qbt_4	Negative	<0.5/NT	None
16-2707	0316-96-1671	39–40	Qbt_4	Negative	1.08/NT	0316-96-0296
16-2707	0316-96-1672	44–45	Qbt_4	Negative	<0.5/NT	None
16-2707	0316-96-1673	49–50	Qbt_4	Negative	<0.5/NT	None
16-2707	0316-96-1674	54–55	Qbt_4	NT	1.5/NT	None
16-2707	0316-96-1675	58–59	Qbt_4	Negative	2.4/NT	None
16-2707	0316-96-1676	64–65	Qbt_4	Negative	3.8/NT	0316-96-0294
16-2707	0316-96-1677	68.5–69.5	Qbt_4, surge bed	Negative	3.1/NT	0316-96-0295
16-2708	0316-97-1680	4.0–5.0	Qbt_5	Negative	4.5/1.29	0316-97-0298
16-2708	0316-97-1681	7.5–8.5	Qbt_5	Negative	1.98/<0.5	None
16-2708	0316-97-1682	13.5–14.5	Qbt_5	Negative	2.28/NT	None
16-2708	0316-97-1683	18.75–19.75	Qbt_5	Negative	1.5/NT	None
16-2708	0316-97-1684	24.0–25.0	Qbt_4	Negative	<0.5/NT	None
16-2708	0316-97-1685	29.0–30.0	Qbt_4	Negative	2.1/NT	None
16-2708	0316-97-1694	30.75–31.5	Qbt_4/fracture plane	Negative	<0.5/NT	None
16-2708	0316-97-1686	34.0–35.0	Qbt_4	Negative	4.1/NT	None

Table 2.3-2 (continued)

Location ID	Screening Sample ID	Depth (ft)	Media	HE Spot Test Result	DTech Results RDX/TNT (ppm)	Laboratory Sample ID
16-2708	0316-97-1687	39.0–40.0	Qbt_4	Negative	1.74/NT	None
16-2708	0316-97-1688	44.0–45.0	Qbt_4	Negative	0.61/NT	None
16-2709	0316-97-1704	0.5–1.0	Soil	Positive	5.40/ (5<TNT<50)	0316-97-0389
16-2709	0316-97-1696	3.5–4.5	Qbt_5	Positive	1.56/1.07	0316-97-0304
16-2709	0316-97-1697	9.17–9.67	Qbt_5	Positive	2.88/0.71	None
16-2709	0316-97-1698	13.25–14.25	Qbt_5/surge bed	Positive	2.04/<0.5	None
16-2709	0316-97-1699	21.5–22.5	Qbt_5	Negative	<0.5/0.5	0316-97-0305
16-2709	0316-97-1700	24.0–25.0	Qbt_5	Negative	<0.5/<0.5	None
16-2709	0316-97-1701	29.0–30.0	Qbt_4	Negative	<0.5/<0.5	None
16-2709	0316-97-1702	33.0–34.0	Qbt_4	Negative	<0.5/<0.5	None
16-2710	0316-97-1726	0.5–1.0	Soil	Positive	5.48/4.47	0316-97-0388
16-2710	0316-97-1712	4.0–5.0	Qbt_5	Positive	1.08/<0.5	0316-97-0310
16-2710	0316-97-1713	9.17–10.0	Qbt_5	Positive	<0.5/1.07	None
16-2710	0316-97-1714	14.0–15.0	Qbt_5	Negative	<0.5/<0.5	None
16-2710	0316-97-1715	19.0–20.0	Qbt_5	Negative	<0.5/<0.5	None
16-2710	0316-97-1716	24.0–25.0	Qbt_5	Positive	1.45/<0.5	None
16-2710	0316-97-1717	29.0–30.0	Qbt_4	Negative	<0.5/<0.5	None
16-2710	0316-97-1718	35.0–36.0	Qbt_4	Positive	<0.5/<0.5	0316-97-0312
16-2710	0316-97-1719	38.5–39.5	Qbt_4	Negative	<0.5/<0.5	0316-97-0311
16-2710	0316-97-1720	44.0–45.0	Qbt_4	Negative	<0.5/<0.5	None
16-2710	0316-97-1721	49.0–49.33	Qbt_4	Negative	<0.5/<0.5	None
16-2711	0316-97-1728	3.5–4.5	Qbt_5	Negative	<0.5/<0.5	0316-97-0316
16-2711	0316-97-1729	9.0–10.0	Qbt_5	Negative	2.70/<0.5	None
16-2711	0316-97-1730	14.0–15.0	Qbt_5	Negative	<0.5/<0.5	None
16-2711	0316-97-1731	19.0–20.0	Qbt_5	Negative	1.03/<0.5	None
16-2711	0316-97-1732	24.0–25.0	Qbt_5/surge bed	Negative	<0.5/<0.5	None
16-2711	0316-97-1733	29.0–30.0	Qbt_4/surge bed	Negative	<0.5/<0.5	None
16-2711	0316-97-1734	34.0–35.0	Qbt_4/surge bed	Negative	<0.5/<0.5	None
16-2711	0316-97-1735	39.0–40.0	Qbt_4/surge bed	Negative	<0.5/<0.5	None
16-2711	0316-97-1736	43.5–44.5	Qbt_4/surge bed	Negative	<0.5/<0.5	None
16-2711	0316-97-1737	49.0–50.0	Qbt_4/surge bed	Negative	<0.5/<0.5	None
16-2711	0316-97-1738	53.75–54.75	Qbt_4	Negative	<0.5/<0.5	None
16-2711	0316-97-1739	59.0–60.0	Qbt_4	Negative	<0.5/<0.5	None
16-2711	0316-97-1740	64.0–65.0	Qbt_4	Negative	<0.5/<0.5	None
16-2711	0316-97-1741	69.0–70.0	Qbt_4	Negative	<0.5/<0.5	0316-97-0317
16-2712	0316-97-1744	4.0–5.0	Qbt_5	Positive	<0.5/<0.5	0316-97-0322
16-2712	0316-97-1745	9.0–10.0	Qbt_5	Negative	<0.5/<0.5	None
16-2712	0316-97-1746	14.0–15.0	Qbt_5	Negative	<0.5/<0.5	None

Table 2.3-2 (continued)

Location ID	Screening Sample ID	Depth (ft)	Media	HE Spot Test Result	DTech Results RDX/TNT (ppm)	Laboratory Sample ID
16-2712	0316-97-1747	18.0–19.0	Qbt_5	Negative	<0.5/<0.5	None
16-2712	0316-97-1748	24.0–25.0	Qbt_5	Negative	<0.5/<0.5	None
16-2712	0316-97-1749	29.0–30.0	Qbt_4	Negative	<0.5/<0.5	None
16-2712	0316-97-1750	30.0–30.17	Qbt_4	Negative	<0.5/<0.5	None
16-2712	0316-97-1751	39.0–40.0	Qbt_4	Negative	<0.5/<0.5	None
16-2712	0316-97-1752	44.0–45.0	Qbt_4	Negative	1.08/<0.5	None
16-2712	0316-97-1753	48.0–49.0	Qbt_4	Negative	<0.5/<0.5	None
16-2712	0316-97-1754	61.0–62.0	Qbt_4	Negative	<0.5/<0.5	None
16-2712	0316-97-1755	64.0–65.0	Qbt_4	Negative	<0.5/<0.5	None
16-2712	0316-97-1756	68.5–69.17	Qbt_4	Negative	0.61/<0.5	None
16-2712	0316-97-1757	74.0–75.0	Qbt_4	Negative	<0.5/<0.5	None
16-2712	0316-97-1758	79.0–80.0	Qbt_4	Negative	<0.5/<0.5	None
16-2712	0316-97-1759	83.0–83.83	Qbt_4	Negative	3.50/<0.5	0316-97-0324
16-2712	0316-97-1803	89.0–90.0	Qbt_4	Negative	<0.5/<0.5	0316-97-0323
16-2712	0316-97-1804	94.0–95.0	Qbt_4	Negative	<0.5/<0.5	None
16-2712	0316-97-1805	99.0–100.0	Qbt_3	Negative	<0.5/<0.5	None
16-2713	0316-97-1760	0.0–0.5	Soil/tuff gravels	Negative	<0.5/<0.5	0316-97-0328
16-2714	0316-97-1761	0.0–0.5	Soil/tuff gravels	Negative	<0.5/<0.5	None
16-2714	0316-97-1768	2.0–2.75	Soil/tuff gravels	Negative	1.98/<0.5	None
16-2715	0316-97-1762	0.0–0.5	Soil/tuff gravels	Negative	<0.5/<0.5	None
16-2716	0316-97-1763	0.0–0.5	Soil/tuff gravels	Negative	<0.5/<0.5	None
16-2716	0316-97-1769	2.0–2.75	Soil/tuff gravels	Negative	<0.5/<0.5	0316-97-0330
16-2717	0316-97-1764	0.0–0.5	Soil/tuff gravels	Negative	<0.5/<0.5	0316-97-0329
16-2718	0316-97-1765	0.0–0.5	Soil/tuff gravels	Negative	<0.5/<0.5	None
16-2718	0316-97-1770	2.0–2.75	Soil/dacite cobbles	Negative	<0.5/<0.5	0316-97-0331 0316-97-2021
16-2719	0316-97-1766	0.0–0.5	Soil/tuff gravels	Negative	<0.5/<0.5	None
16-2720	0316-97-1767	0.0–0.5	Soil/tuff gravels	Negative	<0.5/<0.5	None
16-2721	0316-97-1772	0.0–0.5	Soil/tuff gravels	Negative	5.25/<0.5	None
16-2722	0316-97-1773	0.0–0.5	Soil/tuff gravels	Negative	3.5/<0.5	None
16-2723	0316-97-1774	0.0–0.5	Soil/tuff gravels	Negative	1.5/<0.5	None
16-2724	0316-97-1775	0.0–0.5	Soil/tuff gravels	Negative	<0.5/<0.5	0316-97-0332
16-2725	0316-97-1776	0.0–0.5	Soil/tuff gravels	Negative	2.94/3.67	None
16-2726	0316-97-1777	0.0–0.5	Soil/tuff gravels	Negative	<0.5/<0.5	0316-97-0333
16-2727	0316-97-1778	0.0–0.5	Soil/tuff gravels	Negative	<0.5/<0.5	None
16-2728	0316-97-1779	0.0–0.5	Soil/tuff gravels	Negative	<0.5/<0.5	None
16-2735	0316-97-1632	4.0–5.0	Soil/Qbt_5 interface	Positive	5.7/1.90	0316-97-0280
16-2735	0316-97-1633	8.5–9.5	Qbt_5	Positive	4.1/1.34	None

Table 2.3-2 (concluded)

Location ID	Screening Sample ID	Depth (ft)	Media	HE Spot Test Result	DTech Results RDX/TNT (ppm)	Laboratory Sample ID
16-2735	0316-97-1634	13.0–14.0	Qbt_5	Positive	2.64/<0.5	None
16-2735	0316-97-1635	16.67–16.83	Qbt_5	Positive	2.1/<0.5	None
16-2735	0316-97-1636	24.67–25.33	Qbt_4	Negative	0.55/NT	0316-97-0282
16-2735	0316-97-1638	34.0–35.0	Qbt_4	Negative	1.45/NT	0316-97-0283
16-2735	0316-97-1639	38.0–38.5	Qbt_4	Negative	0.82/<0.5	None
16-2735	0316-97-1641	49.0–49.5	Qbt_4	Negative	<0.5/<0.5	None
16-2735	0316-97-1642	54.0–55.0	Qbt_4/surge bed	Negative	2.58/<0.5	0316-97-0390
16-2735	0316-97-1643	60.0–60.25	Qbt_4	Negative	<0.5/<0.5	None
16-2735	0316-97-1644	62.0–63.0	Qbt_4	Negative	<0.5/<0.5	None
16-2735	0316-97-1645	63.0–63.83	Qbt_4	Negative	4.0/<0.5	0316-97-0391
16-2735	0316-97-1646	67.33–68.33	Qbt_4	Negative	<0.5/<0.5	None
16-2735	0316-97-1647	72.0–73.0	Qbt_4	Negative	2.22/NT	None
16-2735	0316-97-1799	74.42–75.42	Qbt_4	Negative	4.20/NT	0316-97-0392
16-2735	0316-97-1801	80.5–81.5	Qbt_4	Negative	<0.5/NT	0316-97-0393
16-2735	0316-97-1800	84.5–85.5	Qbt_4	Negative	<0.5/NT	None
16-2735	0316-97-1802	90.0–91.0	Qbt_4	Negative	<0.5/NT	None
16-2736	0316-97-1689	49.0–50.0	Qbt_4	Negative	<0.5/NT	None
16-2736	0316-97-1690	53.0–54.0	Qbt_4/surge bed	Negative	<0.5/NT	None
16-2736	0316-97-1691	57.5–58.5	Qbt_4/surge bed	Negative	1.18/NT	None
16-2736	0316-97-1692	64.0–65.0	Qbt_4/surge bed	Negative	1.92/NT	None
16-2736	0316-97-1693	69.0–70.0	Qbt_4	Negative	1.86/NT	None
16-2736	0316-97-1790	74.0–75.0	Qbt_4	Negative	1.24/NT	None
16-2736	0316-97-1791	79.0–80.0	Qbt_4	Negative	2.64/NT	None
16-2736	0316-97-1792	84.0–85.0	Qbt_4	Negative	1.03/NT	None
16-2736	0316-97-1793	89.0–90.0	Qbt_4	Negative	0.5/NT	None
16-2736	0316-97-1794	94.0–95.0	Qbt_3	Negative	<0.5/NT	None
16-2736	0316-97-1795	99.0–100.0	Qbt_3	Negative	1.56/NT	0316-97-0300
16-2736	0316-97-1796	104.0–105.0	Qbt_3	Negative	<0.5/NT	0316-97-0299
16-2736	0316-97-1797	108.0–109.0	Qbt_3	Negative	<0.5/NT	None
16-2736	0316-97-1798	113.05–114.5	Qbt_3	Negative	<0.5/NT	None

[a] NT = Test not performed.

Initial Phase II field activities at PRS 16-021(c) began on November 1, 1996, and ran through December 23, 1996. BHs 16-2700 and 16-2705 (in the drainage) and 16-2707 (south of the drainage) were drilled during this period (see Figure 2.3-1). Activities resumed in May of 1997 and the remaining BHs, as well as the transect sampling, were completed by November 9, 1997. Field operations were conducted during evenings and/or weekends (Friday through Sunday) due to site access restrictions associated with HE machining operations at TA-16-260. ICF Kaiser and LANL personnel implemented all field operations.

The climatic conditions encountered during sampling covered the four seasons typical of the Pajarito Plateau. Temperatures ranged from near 0°F to over 90°F. Precipitation events included the summer monsoon thunderstorms and winter blizzards. Wind velocity ranged from flat calm to powerful gusts over 35 mph. Sampling activities were occasionally curtailed during intense lightning storms. Severe winter temperatures and snow accumulation reduced sampling efficiency due to increased site set-up and tear-down work (primarily associated with managing drilling fluids and work-site access).

Sample collection and handling conformed to the following procedures:

- SAP from the RFI Report for PRSs at TA-16 and (LANL 1996, 55077), except for deviations discussed in more detail below.
- Site-Specific Health and Safety Plan
- OU 1082 Waste Management Plan
- OU 1082 Quality Assurance Plan
- LANL LP 116-1.0, Stop Work and Restart
- LANL ER-SOP-1.01, General Instructions for Field Investigations
- LANL ER-SOP-1.02, Sample Containers and Preservation
- LANL ER-SOP-1.03, Handling, Packaging, and Shipping Samples
- LANL ER-SOP-1.04, Sample Control and Field Documentation
- LANL ER-SOP-1.05, Field Quality Control Samples
- LANL ER-SOP-1.06, Management of RFI-Generated Waste
- LANL ER-SOP-1.07, Operational Guidelines for Taking Soil and Water Samples in Explosive Areas
- LANL ER-SOP-1.08, Field Decontamination of Drilling and Sampling Equipment
- LANL ER-SOP-4.01, Drilling Methods and Drill Site Management
- LANL ER-SOP-4.04, General Borehole Logging
- LANL ER-SOP-5.01, Monitor Well Construction
- LANL ER-SOP-5.02, Well Development
- LANL ER-SOP-5.03, Management of ER Program Wastes
- LANL ER-SOP-6.09, Spade and Scoop Method for Collection of Soil Samples
- LANL ER-SOP-6.10, Hand Auger and Thin-Wall Tube Sampler

- LANL ER-SOP-6.24, Sample Collection from Split-Spoon Samplers and Shelby Tube Samplers
- LANL ER-SOP 10.06, High Explosives Spot Test
- LANL ER-SOP-12.01, Field Logging, Handling, and Documentation of Borehole Samples
- LANL ER-SOP-12.02, Transportation, Receipt, and Admittance of Borehole Samples for the Sample Management Facility
- LANL ER-SOP-12.03, Acceptance of Non-borehole Samples by the Sample Management Facility
- LANL Administrative Requirement 8-2, Hearing Conservation
- LANL Administrative Requirement 12-1, Personal Protective Equipment
- LANL Administrative Requirement 15-1, Field Work
- LANL ER-QAPjP-06, Sampling Procedures
- LANL ER-QAPjP-07, Sample Custody
- LANL ER-QAPjP-08, Calibration Procedures and Frequency

2.3.2.1 BH Drilling and Logging

All drilling operations were performed remotely with an Acker™ AD2 drill rig. Water was used continuously throughout all drilling operations to wet the subsurface and, when coring, to recover cuttings from the BH. BHs were advanced to refusal with 4.25-in. hollow-stem augers equipped with stainless-steel, split-spoon samplers. Following auger refusal, the drill system was switched over to an NQ/NW wireline wet-coring system. A casing advancer was also used to advance the drill string through unconsolidated material. Continuous coring cannot be performed with the casing advancer. Therefore, a drive sampler was used to recover core once the target interval was reached with the casing advancer. Drilling water was supplied to the drill string with a regulated pump (20 gpm/700 psi) powered by an 11hp gas motor. Return drilling fluids were collected in a trough, moved to a settling trough with an electric pump, then transferred to 850-gal. storage containers with a gas-powered trash pump. Drill cuttings were collected in a trough, then transferred into labeled 55-gal. drums.

HE field screening was performed on the deepest 1-ft segment of each 5-ft core interval greater than 24 in., and on the surface and subsurface transect samples.

All BHs were completely logged in the field (see Appendix G). The core was measured to the nearest 0.1 ft and photographed. The core description included the degree of weathering and welding; percentages of lithics, phenocrysts, and pumice; obvious mineralization or alteration features; degree of fracturing; moisture content; and formation color. In addition, the core log included the run number, depth, HE spot test results, and sample and core run photograph numbers. The core was placed in plastic tubing, labeled with BH site ID and core depth, and placed in labeled core boxes. All segments of missing core were marked with a placeholder noting the missing depth and the reason material was missing. The plastic

tubing was then sealed and the core boxes were placed in a storage trailer. Following the drilling activities, the core was released from the HE Corridor by the facilities management group in charge of the investigation area (ESA-FM) and transported to the Sample Management Office (SMO) for more detailed lithologic logging. Detailed geologic logs and stratigraphic interpretations were prepared by Ken Wohletz of the Laboratory's geology and geochemistry group (EES-1) at the SMO. These logs and interpretations are described in Section 4 and Appendix G.

2.3.2.2 Transect Sampling

Surface and subsurface (12–36 in. below grade) samples were collected along transects located at 200 ft (adjacent to site IDs 16-1400 and 16-1401) and 600 ft (adjacent to site IDs 16-1408 and 16-1409) downgradient from the outfall. See Figure 2.3-1. The surface samples were collected at 5-ft lateral intervals; the subsurface samples were collected at 10-ft intervals to define the lateral extent of contamination in the drainage channel. The samples were collected at their specified intervals until HE spot test and DTech field screening results were negative for HE contamination. Laboratory samples were then selected at the ends of the transects.

Field screening of the 200-ft transect found no HE contamination in the surface samples collected up to 20 ft north and south of 16-1401 and 16-1400, respectively. However, DTech field screening showed levels of RDX in the subsurface sample (0316-97-1768) collected 10 ft north of 16-1401. A second subsurface sample was collected 10 ft further north; field screening found no HE contamination in this sample (0316-97-0330). Field screening of the subsurface sample collected 10 ft south of 16-1400 revealed no HE contamination. Two surface and three subsurface (one collocated) laboratory confirmatory samples were collected from this transect.

DTech field screening was done for the surface samples collected along the 600-ft transect at 5, 10, and 15 ft north of 16-1409, and at 5 ft south of 16-1408. The screening revealed RDX in the surface samples as well as detectable levels of TNT in the surface sample collected 5 ft south of 16-1408. No subsurface samples were collected because the soil/tuff interface was less than 1 ft below the surface. Two confirmatory samples were collected from this transect.

Screening and laboratory samples were also collected from near-surface sediments at the tops of BHs 16-2709 and 16-2710. The screening sample collected from 16-2709 contained 5.4 ppm RDX and between 5.3 and 50.0 ppm TNT. The near-surface screening sample collected from 16-2710 contained 5.48 ppm of RDX and 4.47 ppm TNT. The HE spot test was positive for both samples. Both samples were submitted for laboratory analysis.

2.3.3 Deviations from and Augmentation to the Phase II SAP

Several deviations from the original Phase II SAP presented in the Phase I RFI report (LANL 1996, 55077) were implemented through the course of field operations at the TA-16-260 outfall. The majority of these deviations were actually an expansion of the investigation scope and, therefore, enhanced the resolution of investigation objectives. Most were discussed with the AA (Hickmott 1996, 58848; Shanley 1996, 58850; Hickmott 1998, 58851; Hickmott 1997, 58854; McInroy and Mose 1997, 58857; Michelotti 1997, 58858).

- All screening samples were analyzed using the DTech immunoassay/colorimetric method(s). The Phase II SAP specified that DTech analysis was to be performed only on samples that tested positive for HE based on the Spot Test Kit.

- Engineering Application Science Division-Facility Management (ESA-FM), the facility management group in charge of the investigation area, required that all BHs be drilled with water, regardless of depth, for safety reasons. Therefore, samples were not analyzed for moisture content. Also, due to contractual issues, other geotechnical parameter analyses are still pending. Detection of in situ moisture was difficult due to the use of drilling fluid. Nevertheless, groundwater was observed in two BHs (see Section 2.3.4).

- TNT was observed in laboratory samples collected from BHs 16-2700, 16-2705, and 16-2707, during fall 1996. Therefore, all samples collected from subsequent BHs during the 1997 field season were screened using the TNT DTech immunoassay kit, in addition to the prescribed RDX screening analysis. Also, additional laboratory samples were submitted from 10-ft intervals to verify DTech results when DTech field screening indicated the presence of TNT or RDX.

- BH 16-2700, located in the ponded area of the drainage, was to be drilled to the depth of contamination. Groundwater was observed in the hole at a depth of approximately 17 ft (see Section 2.3.4.) As a result, drilling was stopped and a well was installed in the BH. A tuff sample collected at 15.5–16.5 ft (sample 0316-96-0254) showed high concentrations of explosives in field screening tests. An additional sample of the muddy groundwater was collected (sample 0316-96-0252) and submitted to the laboratory without screening. However, the depth of contamination below the pond cannot be ascertained using the currently available data.

- The Phase II SAP specified that no BH was to be drilled to a depth exceeding 70 ft. The center BH in each transect was to be drilled to the depth of contamination and subsequent BHs in each transect were to be drilled 5 ft deeper than the center BH. After the detection of HE contamination at 70 ft in BH 16-2707, however, all BHs were drilled until three uncontaminated (based on field screening results) sample intervals were observed. All 1997 BHs, except 16-2709 and 16-2710, were drilled to a minimum depth of 70 ft.

- The initial BH sites described in the Phase II SAP were based on previous Phase I sampling and a survey of the site geomorphology on three transects across the drainage. Following the discovery of groundwater in BH 16-2700, geophysical anomalies identified by a Schlumberger resistivity survey were used to modify this plan. These anomalies are shown on Figure 2.3-1 and described in Section 4.4.1.2.

- Ultimately, six BHs were located within the drainage channel (see Figure 2.3-1). BH 16-2700 is located within the pond, in an area of high HE contamination. BH 16-2705 and its continuation, 16-2735, are located immediately down drainage from the rock dam below the pond. BH 16-2706 is located in the drainage in a sediment accumulation area outside of a geophysical anomaly. The BH was intentionally located outside of a geophysical anomaly to evaluate the correlation between geophysical anomalies and surge beds. BHs 16-2709, 16-2710, 16-2711, and 16-2712 were sited along a transect 325 ft down drainage from the outfall, just upstream of the 15-ft cliff, and outside of geophysical anomalies. BHs 16-2709

and 16-2710 are located within the drainage channel; BHs 16-2711 and 16-2712 lie outside the drainage channel.

- BHs 16-2707, BH 16-2708, and its continuation, 16-2736, are located on the mesa top, along the southern bank of the drainage, within geophysical anomalies. BHs 16-2704 and BH 16-2702 are located on the mesa top, south of the drainage, in the direction of SWSC Spring from the outfall area. BH 16-2704 is located within an anomaly, and BH 16-2702 is located outside of an anomaly. Finally, BHs 16-2701 and 16-2703 are sited on the mesa top, north of the drainage channel, within a geophysical anomaly.

- The resulting pattern of BHs provides two (instead of three, as envisioned in the Phase II SAP) transects across the outfall drainage: one through the former pond and one about 350 ft down drainage from the outfall. One additional BH 16-2706, is located midway between the pond and the eastern transect, within the drainage; the remaining BHs (16-2702 and 16-2704) were sited between the former pond and the nearest of the springs. This pattern provides adequate coverage of the source area, and allows the possibility of using geophysics to identify regions of subsurface moisture.

2.3.4 Occurrence of Groundwater and Installation of Monitoring Wells

2.3.4.1 BH 16-2700

During the drilling of BH 16-2700, water was ejected from the casing to a level approximately 3 in. above the casing at a depth of approximately 16.5 ft. Drilling with water had been discontinued prior to this run due to high formation moisture content. Therefore, it is assumed that the source of this water was groundwater. The slurry that came up with the water and coated the drill rod consisted of crushed tuff, surge bed material, and water. Just prior to the ejection of the water, the drilling became much easier, indicating that the drill string intersected a softer formation. The auger was advanced beyond the surge bed to 17.5 ft to seal off the saturated zone. The following day the water/slurry level within the casing was sounded at 6.5 ft below grade, and the bottom of the BH was sounded at 15.75 feet; approximately 1.75 ft of dense mud filled the bottom of the BH. A water/slurry sample was collected from within the casing and submitted for analysis (sample 0316-96-0252). However, as described in Section 2.4.2, the water from this sample was evaporated by the laboratory and only the solid residue was analyzed.

A monitoring well was successfully installed in BH 16-2700. This monitoring well consisted of a 4-in., inside diameter (ID), schedule 20, polyvinyl chloride (PVC) pipe with a 5-ft-by-4-in. ID prepacked well screen. The screen ran from a depth of 16.75 ft to 12 ft. This BH has not subsequently produced water.

2.3.4.2 BH 16-2709

Groundwater was also encountered in BH 16-2709 (see Figure 2.3-1.) At a depth of 9 ft, slurry began filling the augers. The water appeared to be flowing into the BH from the soil/tuff interface. A steel casing was set to a depth of approximately 9 ft, but slurry continued to flow into the auger string. At a depth of 15.25 ft, water continued to fill the steel casing to a depth of 2 ft below grade. As drilling water had not been used in the previous 3.75 ft of drilling, it is assumed that the water encountered was groundwater. Following completion of the BH to a depth of 40 ft, the BH was sealed with bentonite to 20 ft, below the possible shallow surge bed horizons. Sixteen hours after sealing the BH to 20 ft, the BH had filled to 16 ft

below grade with slurry and water. A monitoring well (a 10-ft-by-1.5-in ID, 10-slot well screen and 5 ft of 1.5-in., schedule 40 PVC casing) was installed in this BH. The screen runs from a depth of 14.6 ft to 4.6 ft.

2.3.4.3 BHs 16-2736 and 16-2712

Two additional monitoring wells were installed in two holes where water was not encountered during drilling (16-2736 and 16-2712). A monitoring well was installed in BH 16-2736 to monitor the surge bed encountered from 44.5 to 68 ft. This monitoring well consisted of 30 ft of 1.5-in., 10-slot, PVC well screen and 40 ft of 1.5-in, schedule 40, PVC casing. The well screen runs from the 38.5-ft depth to the 68.5-ft depth. A monitoring well was installed in BH 16-2712 because it is located at the confluence of the source drainage with a side drainage channel. This monitoring well consists of 85 ft of 1.5-in., 10-slot well screen and 12.5 ft of 1.5-in., schedule 40, casing. The screened interval runs from 10 to 95 ft below grade.

Since the installation of the wells, the BHs have been monitored weekly. All holes remained dry until March 1998, when water appeared in BH 16-2712. Data from the sample collected at that time will be reported in future CMS reporting for this site.

2.4 Results

2.4.1 Geology

Appendix B of this report surveys the geology of TA-16 Section 4 discusses, in detail, the observations and interpretations resulting from extensive drilling during the Phase II investigation. Table 2.4-1 lists the most important features observed in the holes drilled in and near the outfall.

- The thickness of surface sediments in the vicinity of the outfall ranges from less than 1 ft up to 10 ft. In the drainage, the surface sediments are deepest in the ponded area, where the depth to the soil/tuff interface is about 5 ft. Farther down the drainage, near the edge of the drop into Cañon de Valle, the sediment depth is approximately 1 ft.
- These sediments are underlain by 15–25 ft of Unit 5 of the Tshirege Member of the Bandelier Tuff (Qbt_5). This unit is found only in the western part of the Laboratory and has not been extensively characterized. Below the former pond it includes a layer of 5–8 ft of densely welded tuff. Downgradient from the pond, near the edge of the drop into Cañon de Valle, this layer is only moderately welded. The topography of Unit 5 suggests that there was a channel along the current 260-Line outfall drainage prior to the eruption of Unit 5 (see Section 4).
- All of the source area BHs penetrated to the bottom of Qbt_5.
- Unit 5 is separated from Unit 4 (Qbt_4) by a thin surge bed (the "upper surge layer" in Table 2.4-1), which is sometimes manifested by a gap in the core. In the drainage, the depth of this layer varies from 16 to 30 feet. Material from this layer was recovered from BH 16-2700, where it was saturated.
- Unit 4 contains a thick layer (about 20 ft) of powdery, nonwelded material (the "powder unit" in Table 2.4-1.) In general, there is a layer of moderately to densely welded tuff between the surge bed at the base of Unit 5 and this powder layer, although near the edge of the drop into Cañon de Valle, Unit 5 rests directly on this powder layer.
- Below the powder layer and a thin, moderately welded transition layer in Unit 4 is another thick layer of densely welded material.

Table 2.4-1
Major Geologic Horizons Intersected by Outfall BHs

	BHs												
	16-2700[a]	16-2701	16-2702	16-2703	16-2704	16-2705/2735	16-2706	16-2707[a]	16-2708/2736	16-2709	16-2710[a]	16-2711	16-2712
Location[b]	DW	NW	SE	NW	SE	DW	DW	SW	SW	DE	DE	NE	SE
Month drilled	11/96	10/97	10/97	11/97	11/97	12/96 & 7/97	8/97	11/96	6-7/97	8/97	8/97	9/97	9/97
Top of hole[c]	7536.4	7547	7535	7549.6	7538.9	7537.1	7530.2	7546.6	7543.9	7519.8	7520.3	7521	7522.4
Soil/tuff interface[c]	7531	7542	7526	7547	7538.9	7533	7528	7544	7534	7519	7520	7520	7520
Upper surge layer[c]	7518	7528	7506	7539	7525	7517	7509	7520	7520	7491	7491	7493	7493
Top of powder unit[c]	NA	7502	7489	7502	7495	7501	7490	NA[d]	7500	7489	7489	7492	7491
Bottom of powder unit[c]	NA	7484	7470	7493	7468	7477	7471	NA	7480	NA	NA	7473	7465
Lower surge layer[c]	NA	NA	NA	NA	NA	7453	7445	NA	7462	NA	NA	NA	7442
Bottom of Qbt_4	NA	NA	NA	NA	NA	NA	NA	NA	7452	NA	NA	NA	7428
Bottom of hole[c]	7519	7458	7464	7480	7468	7446	7440	7476	7429	7480	7471	7452	7422
Total depth (ft)	17.5	89	71	70	71	91	90	70	114.5	80	49.3	80	100
Well, screened interval (depth in ft)	12–16.25	None	None	None	None	None	None	None	38.5–68.5	4.6–14.6	None	None	10–95

[a] Hole not logged by geologist; elevations approximate.

[b] D = in drainage, N = north of drainage, S = south of drainage, W = west end (near outfall and pond), E = east end (near Cañon de Valle).

[c] Elevation in feet.

[d] NA = Hole did not penetrate to this depth.

Most of the 260-Line BHs extend through the powder layer. Four intercept a second surge bed within the welded unit at the base of Unit 4 (the "lower surge layer" in Table 2.4-1). The two deepest holes (16-2712 and 16-2736) penetrate Unit 3 (Qbt_3) at depths greater than 90 ft.

The correlation between contaminant levels and this complex stratigraphy can be investigated—to a limited extent—using the available data. Conceptually, densely welded layers might be expected to retard vertical migration and encourage lateral migration, although these layers also support fractures that could provide "fast" vertical pathways at discrete locations. Higher contaminant levels might be expected in the partially to moderately welded tuffs overlying such densely welded layers, specifically: (1) near the top of the Qbt_5 unit, particularly near the pond where the Qbt_5 is densely welded; (2) below the upper surge layer, where this is separated from the powder unit by a welded layer (again, this applies primarily to the west end of the outfall); and (3) at the base of the powder unit within Qbt_4. These hypotheses are considered further in Section 2.4.4.

2.4.2 Data Quality Assessment

All analytical samples were sent for fixed-laboratory analysis at commercial analytical laboratories. All results were sent through routine validation, and some results received focused validation as necessary. Validation results are summarized in Tables C-5.0-1 and C-5.0-2 of Appendix C. In total, 94 analytical samples were analyzed in 99 requests submitted during Phases I and II of the RFI.

Although qualifiers were frequently applied to the data, the source area data set had few significant data issues. The most significant analytical issue involving this data set was poor spike and duplicate recovery results during inorganic analysis, causing qualification of some inorganic results. This issue was only severe enough to warrant rejection of some data in four request numbers, and only cyanide, antimony, mercury, manganese, and chromium results were rejected. It is not uncommon for these elements to yield poor QC results. Most cases resulted in qualification of the affected inorganic analytes. Spike results indicate how well the analytical procedure can recover and quantify an analyte in a sample. When the spike recovery result is low, data may be qualified with a low bias or rejected. If the known spike amount cannot be quantitatively recovered, any amount in the sample is assumed to be affected similarly. Duplicate analyses provide an indication of the precision of the analytical method. Twenty-three request numbers were affected by poor spike recoveries. Twenty-one request numbers had poor duplicate results which affected a wide range of different analytes. Poor duplicate results are considered to be differences between the sample and duplicate that vary more than 35%, which takes into account natural heterogeneity of LANL samples. Analytes that differ by more than 35% are qualified as estimated.

Another common, and minor, data quality issue is the problem of laboratory contamination of samples. Common laboratory chemicals, such as acetone and methylene chloride, and phthalates, such as bis(2-ethylhexyl)phthalate, commonly found in man-made materials frequently contaminate analytical samples (Smith 1997 58478, pp. 157-8). The issue of blank contamination affected 28 request numbers. Blank contaminants included (in order of frequency) methylene chloride, acetone, and bis(2-ethylhexyl)-phthalate; dichlorodifluoromethane (a common refrigerant and aerosol propellant) was present in one request number. In some cases, inorganic analytes were present in the blank. Depending upon the concentration of the element in the blank, the analyte was U-qualified or J-qualified. Laboratory contamination is a problem in that it obscures the real source of an organic chemical. Phthalates are common industrial chemicals, and are used as plasticizers in some of the materials machined at Building TA-16-260, so phthalates may have been released through the outfall.

Holding times were an issue in two HE requests, two VOC requests, and three SVOC requests. Holding times were exceeded by as much as 25 days and as little as 6 minutes. Exceeding holding times caused rejection of both samples in request 3739R for HE. It caused rejection of tetryl results in request 3828R due to additional low laboratory control sample (LCS) results for tetryl. All results in request 3828R were undetected. Even HE compounds considered robust relative to degradation associated with long holding times were undetected in this request. Therefore, the remaining results were U-qualified. One sample in request 2778 exceeded holding times by 6 minutes; these data were accepted without qualification. Between these extremes, samples for SVOC analysis in requests 1222, 3579R, and 3737R exceeded holding times by one day, and samples in request 3388R for VOC analysis exceeded holding times by four days. In these cases, data were qualified as UJ or J as a result. The rejected data were not used for decision-making in this report. The remaining qualified data were useable, with qualification, and the qualifications had little influence on the final decisions.

Detection limits for antimony exceeded the background values for the majority of samples in both soil and tuff at the source area. This is not unexpected given the technical difficulties associated with quantifying antimony concentrations. Similar problems were encountered for cadmium, selenium, and thallium, and for silver and total cyanide, where the "background value" is actually the detection limit available in the background data. The effect of these high detection limits on our ability to detect releases of these chemicals at the 260 outfall is evaluated on a case-by-case basis in Section 2.4.3, as are other problems affecting smaller numbers of samples.

Most samples had adequate detection limits. However, some samples in this data set were highly contaminated with HE (up to 300 000 ppm), and this could cause interference that could elevate detection limits for HE and SVOC analyses.

HE compounds are also SVOCs, although they are not analyzed in the same way. Most HE compounds are not in the suite of SW-486 Method 8270; exceptions are 2,4-dinitrotoluene and 2,6-dinitrotoluene. However, if enough HE is present in a sample, some of these HE compounds will be carried along through sample preparation and extraction and be detected in an SVOC analysis, generally as tentatively identified compounds (TICs) since they are not in the formal SVOC suite. For example, request numbers 2850 and 3388R list the high explosives TNB, TNT, and RDX as TICs, indicating that enough HE was present in the samples to identify individual compounds and estimate their concentrations. (The results from these TICs are not used quantitatively in this report due to the availability of more precise data from the same location.) HE compounds that are present but cannot be identified can cause an increase in the background noise, which then elevates the detection limit. In addition, samples with high concentrations of HE require many dilutions in order to obtain concentrations in a range that the instrument can accurately quantify. As the dilution factor increases, so do the detection limits. This can also affect the quality of the data.

In request 1173 for HE, the detected compounds are qualified as J-, because two extractions were carried out on the sample. After analysis, the technician saw that the analytical results were so high that the extraction solution may have been saturated. This would have the effect of leaving some HE in the sample because no more could be dissolved in the extraction solution. Therefore, the sample was re-extracted, with much significantly lower concentrations of HE. The concentrations of HE in the re-extracted samples were 50–60 times lower than the results from the first extraction, although concentrations of HE were still on the order of hundreds of ppm of HE. This indicates that the extraction solution was not saturated, but that the first extraction results did not fully measure the true amount of HE in the samples. Therefore, these analytical results are qualified as estimated with a low bias, and the results then represent a lower bound on the concentrations of HE at this location.

Other QA/QC issues affecting HE analyses included high matrix spike results, limited suite LCS standards, and high and low LCS results. None of these issues significantly affected the data, although the low LCS results (mentioned above) caused rejection of tetryl results because, holding times for these samples were exceeded by 5–12 days. In request 2811, TNB had LCS recovery results of 125%, which is slightly greater than the acceptable limit of 120%. This caused detected results in the sample to be qualified as J+. Therefore, these results provide an upper bound to the contamination in this sample. Given that this sample was suspected to be contaminated prior to sampling, and that other samples are available in this area, obtaining an upper bound to the contamination is acceptable. In some analyses conducted during 1995, a limited suite of seven (compared to the usual 14) HE analytes was used as an LCS standard, and these data were PM-qualified. In later data from 1996 and 1997, this occasionally occurred, but the data was not qualified on this basis. Given that this site has been heavily sampled over the years and that the

data is expected to show some contamination, this minor change in procedure for the LCS portion of the QA/QC analysis is considered acceptable. Data were not qualified on this basis. In request 3903R, spike recoveries for all HE analytes (excluding tetryl) ranged from 120 to 131%, above the acceptable 120% limit. For samples in this request, the spike results indicated that an upward bias might be affecting the actual results. However, no HE was detected in these samples, despite the high bias. Therefore, these data were U-qualified.

Samples in four requests for VOC analysis had problems with surrogates and/or internal standards that caused data to be qualified. No internal standard or surrogate problem was serious enough to warrant rejection of data. Surrogates and internal standards indicate if matrix interferences are affecting the analytical results of a sample. In general, minor analytical problems with the surrogate or internal standard can cause the analytical result to be qualified as estimated or estimated undetected. In all cases, the internal standard results were lower than expected, which could cause falsely high reported values. However, only three compounds were detected in the four request numbers mentioned above, and very few VOCs were detected in any samples at this site. Therefore, these minor problems associated with poor internal standard and surrogate results have little effect on the data set overall.

All but one of the samples in the source area data set were solid samples, in other words, collected from surface and subsurface soils. Sample 0316-96-0252 in request numbers 2818, 2819, and 2820, was initially characterized as a muddy groundwater sample collected from the bottom of BH 16-2700. According to the analytical laboratory, the sample contained approximately 70% solids. The analytical laboratory attempted to filter the sample in order to obtain both solid and water samples for analysis. However, the sample could not be filtered. Therefore, the sample was handled as a solid sample and the water was evaporated, leaving the solids to be analyzed for HE, SVOCs, VOCs, and metals. In effect, the results reported are the sum of the contaminants dissolved in the water and the contaminants present in the solids. Some of these results, especially for HE and barium, are extremely high, but results from an adjacent tuff sample (0316-96-0254) are also elevated, so there is no doubt that a pathway to this layer from the surface exists. In tables in Section 2.4.3, sample 0316-96-0252 is denoted as the "surge" sample (instead of "tuff" or "Qbt_4"). The solid material in this sample appears to come from the upper surge layer described in Section 2.4.1.

Analytical methods are identified in Appendix I of this document. In general, standard analytical techniques were used for these analyses. These are described in the statement of work (SOW) provided to the commercial laboratories prior to sample analysis. However, for analysis of uranium, the method of preparation prior to sample analysis was not always well defined by the relevant SOW. For all uranium analyses of source area sediment samples, a nitric acid digestion method (with and without microwave assistance) was used. This method corresponds to EPA SW-846 Methods 3050 and 3051. The nitric acid method does not cause total decomposition of the sample matrix, despite the fact that the analysis is described as a *total* uranium analysis. This information is important when assessing the uranium results described later in this report; however; this digestion method had no effect on the quality of the uranium data.

No rejected data were used for decision-making purposes in this report. All other data are useable, with application of the relevant qualifiers.

This site has been heavily sampled for many years with known detections of HE and barium. Few QC problems affected the HE results, although one request number containing two samples was rejected

due to holding time issues. Less than a dozen request numbers had QC problems that involved barium. In general, the inorganic results had no unexpected QA problems associated with them, and only four request numbers contained rejected inorganic data. There were also no significant QA problems associated with non-HE organic analyses. Overall, the results in this data set are of very good quality and adequate for the decisions reported in this document.

A detailed description of the data quality assessment for all the data presented in this report can be found in Appendix C.

2.4.3 Data Presentation

Data from the TA-16-260 outfall are presented in two groups in this section. Results from samples collected in surface and near-surface sediments within the drainage are presented in Section 2.4.3.1. This data set contains 37 Phase I samples (including 3 field duplicates) and 9 Phase II samples, of which 2 come from within the drainage while the remaining 7 (including 1 field duplicate) were collected along 2 lateral bounding transects. Section 2.4.3.2 presents results from tuff samples in holes drilled within the drainage and results from both soil and tuff samples in holes drilled outside the drainage, for a total of 42 tuff samples, 5 soil samples, and 1 water/slurry sample from BH 16-2700.

The purpose of this section is to identify chemicals that have been released at the 260-Line outfall. This is done by comparison with background values (BVs) and method detection limits (DLs). Although assessment of the significance of such releases, from a risk perspective, will be postponed until Section 6, additional context and evaluation of the significance is provided in Section 2.4.4. The complete analytical data are found in Appendix I. Tables in this section summarize these data and present individual observations above BVs and DLs.

2.4.3.1 Surface/Near-Surface Channel Sediments

2.4.3.1.1 Inorganic Chemical Comparison with Background

Complete analytical data for inorganic chemical analyses of source area samples are provided in Table I-2.0-1 of Appendix I. Validation results for these data are summarized in Appendix C, Tables C-5.0-1 and C-5.0-2. Overall, the data quality for the 46 surface and near-surface samples in the drainage is satisfactory.

Chromium data for four out of five Phase II samples collected along the 200-ft transect were rejected; however, the remaining data, including samples from the most contaminated part of the outfall, are adequate to characterize chromium releases. DLs were above BVs for antimony, cadmium, total cyanide, and thallium in some samples.

The background sediment data are used for background comparisons, and the associated BVs are provided in Table 2.4-2 (Ryti et al. 1998, 58093.) This choice is based both on field observation and on the distribution of some of the major elements that are not expected to be contaminants at this site. The soil and sediment background data differ with respect to these major elements, and the distribution of these elements in samples from the TA-16-260 outfall are closer to the background sediment distribution than the background soil distribution (see Appendix D.) However, there is some variability among the samples from the drainage and, in particular, some samples may come from better-developed soils.

Table 2.4-2
Frequency of Detected Inorganic Chemicals in Surface and Near-Surface Drainage Samples

Analyte	Media	Number of Samples Analyzed	Number of Detects	Concentration Range (mg/kg)[a]	BV (mg/kg)	Frequency of Detects Above BV[a]
Aluminum	SED[b]	46	46	3190–29600	15400	2/46
Antimony	SED	46	0	[0.41–9.8][c]	0.83	DL > BV[d] (37/46)
Arsenic	SED	46	46	0.63–9.7	3.98	8/46
Barium	SED	46	46	80.4–33300	127	44/46
Beryllium	SED	46	33	0.28–1.7	1.31	3/46
Cadmium	SED	46	14	[0.62]–2.9	0.4	14/46 (plus 22 DL > BV)
Calcium	SED	46	46	623–5550	4420	2/46
Chromium, total	SED	46	41	3–26.8	10.5	12/41
Cobalt	SED	46	44	1.4–16.8	4.73	21/46
Copper	SED	46	46	3.5–40.5	11.2	18/46
Cyanide, total	SED	46	0	[0.26–2]	0.82	DL > BV (39/46)
Iron	SED	46	46	4530–21300	13800	5/46
Lead	SED	46	46	8–107	19.7	23/46
Magnesium	SED	46	46	374–3360	2370	1/46
Manganese	SED	46	46	86.2–1890	543	8/46
Mercury	SED	46	2	[0.02–0.09]	0.1	0/46
Nickel	SED	46	46	2.2–51.9	9.38	21/46
Potassium	SED	46	46	401–2560	2690	0/46
Selenium	SED	46	1	[0.25–1]	0.3	1/46 (plus 32 DL > BV)
Silver	SED	46	9	[0.083]–4.1	1	5/46
Sodium	SED	46	46	26–764	1470	0/46
Thallium	SED	46	2	[0.21–1.1]	0.73	DL > BV (5/46)
Uranium	SED	37	37	1.27–8.71	2.22	29/37
Vanadium	SED	46	46	7.6–55.7	19.7	28/46
Zinc	SED	46	46	12–226	60.2	18/46

[a] Value is the ratio of the number of detected values exceeding the BV to the number of analyses.

[b] SED = Sediment.

[c] Brackets indicate the value is below detection limits, although some analytes may be detected at values within this range.

[d] The DL for this analyte exceeded the BV.

Moreover, the drainage sediments are now dry and immobile, so although geochemically they appear to be sediments, from an exposure model and a risk perspective, they will be treated as soils (Section 6).

Phase I samples were analyzed for uranium using a partial digestion method, so the partial digestion uranium sediment background data and BV have been used for comparison.

Table 2.4-2 also summarizes the frequency of detected inorganic chemicals and of nondetected chemicals with DLs exceeding sediment BVs. Results above the BVs, including nondetected results at DLs above background, are shown in Table 2.4-3.

Table 2.4-3
Inorganic Chemicals with Concentrations Exceeding Sediment BVs in Surface and Near-Surface Drainage

Analyte	Location	Sample ID	Sample Concentration (mg/kg)	BV (mg/kg)	Media	Depth (ft)	Approximate Distance from Outfall (ft)
Aluminum	16-1397	0316-95-0013	21 700	15 400	SED	0–0.5	0
	16-1380	0316-95-0028	29 600		SED	0–0.5	20
Antimony	16-1396	0316-95-0014	5.5(U)[a]	0.83	SED	0–0.5	0
	16-1397	0316-95-0013	6.2(U)		SED	0–0.5	0
	16-1379	0316-95-0027	6.4(U)		SED	0–0.5	0
	16-1379	0316-95-0044	6.7(U)		SED	1–1.5	0
	16-1379	0316-95-2015	6.96(U)		SED	1–1.5	0
	16-1380	0316-95-0028	9.8(U)		SED	0–0.5	20
	16-1381	0316-95-0029	5.9(U)		SED	0–0.5	40
	16-1382	0316-95-2012	6.4(U)		SED	0–0.5	60
	16-1382	0316-95-0030	6.6(U)		SED	0–0.5	60
	16-1382	0316-95-0045	7.03(U)		SED	1.5–1.9	60
	16-1383	0316-95-2013	7.1(U)		SED	0–0.5	80
	16-1383	0316-95-0031	7.3(U)		SED	0–0.5	80
	16-1383	0316-95-0046	7.5(U)		SED	1.7–2.2	80
	16-1399	0316-95-0015	5.4(U)		SED	0–0.5	100
	16-1384	0316-95-0032	6.1(U)		SED	0–0.5	100
	16-1398	0316-95-0016	6.2(U)		SED	0–0.5	100
	16-1385	0316-95-0033	7.5(U)		SED	0–0.5	120
	16-1386	0316-95-0034	6.7(U)		SED	0–0.5	140
	16-1387	0316-95-0035	7.3(U)		SED	0–0.5	160
	16-1388	0316-95-0036	7.5(U)		SED	0–0.5	180
	16-1401	0316-95-0017	5.9(U)		SED	0–0.5	200
	16-1400	0316-95-0018	6.1(U)		SED	0–0.5	200
	16-1389	0316-95-0037	8.2(U)		SED	0–0.5	200
	16-1390	0316-95-0038	6.7(U)		SED	0–0.5	260
	16-1402	0316-95-0020	5.8(U)		SED	0–0.5	300

Table 2.4-3 (continued)

Analyte	Location	Sample ID	Sample Concentration (mg/kg)	BV (mg/kg)	Media	Depth (ft)	Approximate Distance from Outfall (ft)
Antimony (continued)	16-1403	0316-95-0019	6.1(U)	0.83	SED	0–0.5	300
	16-1391	0316-95-0039	6.1(U)		SED	0–0.5	320
	16-1392	0316-95-0040	7.1(U)		SED	0–0.5	380
	16-1405	0316-95-0021	5.8(U)		SED	0–0.5	400
	16-1404	0316-95-0022	8(U)		SED	0–0.2	400
	16-1393	0316-95-0041	5.7(U)		SED	0–0.5	440
	16-1406	0316-95-0024	5.3(U)		SED	0–0.5	500
	16-1407	0316-95-0023	6.3(U)		SED	0–0.5	500
	16-1394	0316-95-0042	6.3(U)		SED	0–0.5	500
	16-1395	0316-95-0043	6.2(U)		SED	0–0.5	560
	16-1409	0316-95-0025	5.9(U)		SED	0–0.5	600
	16-1408	0316-95-0026	8.5(U)		SED	0–0.5	600
Arsenic	16-1379	0316-95-2015	4.31	3.98	SED	1–1.5	0
	16-1380	0316-95-0028	5.4		SED	0–0.5	20
	16-1389	0316-95-0037	4.1(J-)[b]		SED	0–0.5	200
	16-1391	0316-95-0039	7.4		SED	0–0.5	320
	16-2710	0316-97-0388	9.7		SED	0.5–1	350
	16-1392	0316-95-0040	4.1		SED	0–0.5	380
	16-1394	0316-95-0042	4.2		SED	0–0.5	500
	16-1408	0316-95-0026	5.5(J-)		SED	0–0.5	600
Barium	16-1379	0316-95-0044	11 700	127	SED	1–1.5	0
	16-1396	0316-95-0014	498(J+)[c]		SED	0–0.5	0
	16-1379	0316-95-0027	5270		SED	0–0.5	0
	16-1397	0316-95-0013	583(J+)		SED	0–0.5	0
	16-1379	0316-95-2015	8820		SED	1–1.5	0
	16-1380	0316-95-0028	18 200		SED	0–0.5	20
	16-1381	0316-95-0029	2730(J)[d]		SED	0–0.5	40
	16-1382	0316-95-2012	12 100(J)		SED	0–0.5	60
	16-1382	0316-95-0030	12 700(J)		SED	0–0.5	60
	16-1382	0316-95-0045	7670		SED	1.5–1.9	60
	16-1383	0316-95-2013	13 800(J)		SED	0–0.5	80
	16-1383	0316-95-0031	14 600(J)		SED	0–0.5	80
	16-1383	0316-95-0046	16 200		SED	1.7–2.2	80
	16-1399	0316-95-0015	1170(J+)		SED	0–0.5	100
	16-1398	0316-95-0016	693(J+)		SED	0–0.5	100
	16-1384	0316-95-0032	8310		SED	0–0.5	100
	16-1385	0316-95-0033	19 000(J)		SED	0–0.5	120

Table 2.4-3 (continued)

Analyte	Location	Sample ID	Sample Concentration (mg/kg)	BV (mg/kg)	Media	Depth (ft)	Approximate Distance from Outfall (ft)
Barium (continued)	16-1386	0316-95-0034	11 100(J)	127	SED	0–0.5	140
	16-1387	0316-95-0035	21 100(J)		SED	0–0.5	160
	16-1388	0316-95-0036	26 100(J)		SED	0–0.5	180
	16-1400	0316-95-0018	12 100(J+)		SED	0–0.5	200
	16-2716	0316-97-0330	138		SED	2–2.8	200
	16-2717	0316-97-0329	1440		SED	0–0.5	200
	16-1389	0316-95-0037	26 900(J)		SED	0–0.5	200
	16-2713	0316-97-0328	653		SED	0–0.5	200
	16-1401	0316-95-0017	7500(J+)		SED	0–0.5	200
	16-1390	0316-95-0038	24 300		SED	0–0.5	260
	16-1402	0316-95-0020	172(J+)		SED	0–0.5	300
	16-1403	0316-95-0019	7750(J+)		SED	0–0.5	300
	16-1391	0316-95-0039	8550		SED	0–0.5	320
	16-2710	0316-97-0388	10 200		SED	0.5–1	350
	16-2709	0316-97-0389	8180		SED	0.5–1	350
	16-1392	0316-95-0040	33 300		SED	0–0.5	380
	16-1404	0316-95-0022	20 200(J+)		SED	0–0.2	400
	16-1405	0316-95-0021	3790(J+)		SED	0–0.5	400
	16-1393	0316-95-0041	7140		SED	0–0.5	440
	16-1394	0316-95-0042	20 600		SED	0 – 0.5	500
	16-1406	0316-95-0024	412(J-)		SED	0 – 0.5	500
	16-1407	0316-95-0023	619(J-)		SED	0 – 0.5	500
	16-1395	0316-95-0043	6230		SED	0 – 0.5	560
	16-2724	0316-97-0332	200		SED	0 – 0.5	600
	16-1408	0316-95-0026	29 500(J-)		SED	0 – 0.5	600
	16-1409	0316-95-0025	3000(J-)		SED	0 – 0.5	600
	16-2726	0316-97-0333	862		SED	0 – 0.5	600
Beryllium	16-1397	0316-95-0013	1.5	1.31	SED	0 – 0.5	0
	16-1380	0316-95-0028	1.7		SED	0 – 0.5	20
	16-1404	0316-95-0022	1.4		SED	0 – 0.2	400
Cadmium	16-1396	0316-95-0014	0.55(U)	0.4	SED	0 – 0.5	0
	16-1397	0316-95-0013	0.62(U)		SED	0 – 0.5	0
	16-1379	0316-95-0027	0.64(U)		SED	0 – 0.5	0
	16-1379	0316-95-0044	0.667(U)		SED	1 – 1.5	0
	16-1379	0316-95-2015	0.696(U)		SED	1 – 1.5	0
	16-1380	0316-95-0028	1.6		SED	0 – 0.5	20
	16-1381	0316-95-0029	0.59(U)		SED	0 – 0.5	40
	16-1382	0316-95-0045	0.703(U)		SED	1.5 – 1.9	60
	16-1382	0316-95-2012	0.76		SED	0 – 0.5	60

Table 2.4-3 (continued)

Analyte	Location	Sample ID	Sample Concentration (mg/kg)	BV (mg/kg)	Media	Depth (ft)	Approximate Distance from Outfall (ft)
Cadmium (continued)	16-1382	0316-95-0030	0.98	0.4	SED	0 – 0.5	60
	16-1383	0316-95-0046	0.937		SED	1.7 – 2.2	80
	16-1383	0316-95-2013	1.2		SED	0 – 0.5	80
	16-1383	0316-95-0031	1.3		SED	0 – 0.5	80
	16-1399	0316-95-0015	0.54(U)		SED	0 – 0.5	100
	16-1384	0316-95-0032	0.69		SED	0 – 0.5	100
	16-1385	0316-95-0033	2.6		SED	0 – 0.5	120
	16-1386	0316-95-0034	0.71		SED	0 – 0.5	140
	16-1387	0316-95-0035	2.4		SED	0 – 0.5	160
	16-1388	0316-95-0036	2.9		SED	0 – 0.5	180
	16-1401	0316-95-0017	0.59(U)		SED	0 – 0.5	200
	16-1400	0316-95-0018	0.61(U)		SED	0 – 0.5	200
	16-1389	0316-95-0037	2.1		SED	0 – 0.5	200
	16-1390	0316-95-0038	1.9		SED	0 – 0.5	260
	16-1402	0316-95-0020	0.58(U)		SED	0 – 0.5	300
	16-1403	0316-95-0019	0.61(U)		SED	0 – 0.5	300
	16-1391	0316-95-0039	0.61(U)		SED	0 – 0.5	320
	16-1392	0316-95-0040	0.76		SED	0–0.5	380
	16-1405	0316-95-0021	0.58(U)		SED	0–0.5	400
	16-1404	0316-95-0022	0.8(U)		SED	0–0.2	400
	16-1393	0316-95-0041	0.57(U)		SED	0–0.5	440
	16-1406	0316-95-0024	0.53(U)		SED	0–0.5	500
	16-1407	0316-95-0023	0.63(U)		SED	0–0.5	500
	16-1394	0316-95-0042	0.63(U)		SED	0–0.5	500
	16-1395	0316-95-0043	0.62(U)		SED	0–0.5	560
	16-1409	0316-95-0025	0.59(U)		SED	0–0.5	600
	16-1408	0316-95-0026	0.85(U)		SED	0–0.5	600
Calcium	16-1404	0316-95-0022	4470	4420	SED	0–0.2	400
	16-1407	0316-95-0023	5550		SED	0–0.5	500
Chromium, total	16-1397	0316-95-0013	14.8	10.5	SED	0–0.5	0
	16-1380	0316-95-0028	26.8		SED	0–0.5	20
	16-1383	0316-95-2013	11.2(J)		SED	0–0.5	80
	16-1383	0316-95-0031	11.7(J)		SED	0–0.5	80
	16-1383	0316-95-0046	12.2		SED	1.7–2.2	80
	16-1385	0316-95-0033	16.8(J)		SED	0–0.5	120
	16-1387	0316-95-0035	16.4(J)		SED	0–0.5	160
	16-1388	0316-95-0036	18.9(J)		SED	0–0.5	180
	16-1389	0316-95-0037	15.1(J)		SED	0–0.5	200

Table 2.4-3 (continued)

Analyte	Location	Sample ID	Sample Concentration (mg/kg)	BV (mg/kg)	Media	Depth (ft)	Approximate Distance from Outfall (ft)
Chromium, total (continued)	16-1390	0316-95-0038	18.3	10.5	SED	0–0.5	260
	16-1391	0316-95-0039	11		SED	0–0.5	320
	16-1392	0316-95-0040	13		SED	0–0.5	380
Cobalt	16-1396	0316-95-0014	11.1	4.73	SED	0–0.5	0
	16-1379	0316-95-0027	5.2(J)		SED	0–0.5	0
	16-1379	0316-95-2015	5.53(J)		SED	1–1.5	0
	16-1379	0316-95-0044	6.28(J)		SED	1–1.5	0
	16-1397	0316-95-0013	7.6		SED	0–0.5	0
	16-1380	0316-95-0028	6.7(J)		SED	0–0.5	20
	16-1382	0316-95-0045	5.3(J)		SED	1.5–1.9	60
	16-1383	0316-95-0031	5(J)		SED	0–0.5	80
	16-1398	0316-95-0016	5.7(J)		SED	0–0.5	100
	16-1385	0316-95-0033	6.5(J)		SED	0–0.5	120
	16-1387	0316-95-0035	6.9(J)		SED	0–0.5	160
	16-1388	0316-95-0036	7.1(J)		SED	0–0.5	180
	16-1401	0316-95-0017	4.8(J)		SED	0–0.5	200
	16-2717	0316-97-0329	5.4(J)		SED	0–0.5	200
	16-1389	0316-95-0037	6.2(J)		SED	0–0.5	200
	16-1390	0316-95-0038	5.1(J)		SED	0–0.5	260
	16-1402	0316-95-0020	7.8		SED	0–0.5	300
	16-1391	0316-95-0039	4.9(J)		SED	0–0.5	320
	16-2710	0316-97-0388	16.8		SED	0.5–1	350
	16-1404	0316-95-0022	6.9(J)		SED	0–0.2	400
	16-1409	0316-95-0025	6.4		SED	0–0.5	600
Copper	16-1379	0316-95-0044	11.8	11.2	SED	1–1.5	0
	16-1380	0316-95-0028	40.5		SED	0–0.5	20
	16-1382	0316-95-2012	17.8(J)		SED	0–0.5	60
	16-1382	0316-95-0030	19.9(J)		SED	0–0.5	60
	16-1383	0316-95-2013	20.1(J)		SED	0–0.5	80
	16-1383	0316-95-0046	22.4		SED	1.7–2.2	80
	16-1383	0316-95-0031	25.2(J)		SED	0–0.5	80
	16-1384	0316-95-0032	12.5		SED	0–0.5	100
	16-1385	0316-95-0033	35.9(J)		SED	0–0.5	120
	16-1386	0316-95-0034	17.5(J)		SED	0–0.5	140
	16-1387	0316-95-0035	31.8(J)		SED	0–0.5	160
	16-1388	0316-95-0036	38.5(J)		SED	0–0.5	180
	16-1389	0316-95-0037	31.3(J)		SED	0–0.5	200
	16-1390	0316-95-0038	26.8		SED	0–0.5	260
	16-1392	0316-95-0040	17.5		SED	0–0.5	380

Table 2.4-3 (continued)

Analyte	Location	Sample ID	Sample Concentration (mg/kg)	BV (mg/kg)	Media	Depth (ft)	Approximate Distance from Outfall (ft)
Copper (continued)	16-1404	0316-95-0022	16.1	11.2	SED	0–0.2	400
	16-1394	0316-95-0042	14.4		SED	0–0.5	500
	16-1408	0316-95-0026	12.1		SED	0–0.5	600
Cyanide, total	16-1396	0316-95-0014	1.1(U)	0.82	SED	0–0.5	0
	16-1397	0316-95-0013	1.2(U)		SED	0–0.5	0
	16-1379	0316-95-0027	1.3(U)		SED	0–0.5	0
	16-1379	0316-95-0044	1.4(U)		SED	1–1.5	0
	16-1379	0316-95-2015	1.41(U)		SED	1–1.5	0
	16-1380	0316-95-0028	2(U)		SED	0–0.5	20
	16-1381	0316-95-0029	1.2(U)		SED	0–0.5	40
	16-1382	0316-95-2012	1.3(U)		SED	0–0.5	60
	16-1382	0316-95-0030	1.4(U)		SED	0–0.5	60
	16-1382	0316-95-0045	1.41(U)		SED	1.5–1.9	60
	16-1383	0316-95-2013	1.4(U)		SED	0–0.5	80
	16-1383	0316-95-0031	1.5(U)		SED	0–0.5	80
	16-1383	0316-95-0046	1.55(U)		SED	1.7–2.2	80
	16-1399	0316-95-0015	1.1(U)		SED	0–0.5	100
	16-1384	0316-95-0032	1.2(U)		SED	0–0.5	100
	16-1398	0316-95-0016	1.3(U)		SED	0–0.5	100
	16-1385	0316-95-0033	1.5(U)		SED	0–0.5	120
	16-1386	0316-95-0034	1.4(U)		SED	0–0.5	140
	16-1387	0316-95-0035	1.5(U)		SED	0–0.5	160
	16-1388	0316-95-0036	1.6(U)		SED	0–0.5	180
	16-1401	0316-95-0017	1.2(U)		SED	0–0.5	200
	16-1400	0316-95-0018	1.2(U)		SED	0–0.5	200
	16-1389	0316-95-0037	1.7(U)		SED	0–0.5	200
	16-1390	0316-95-0038	1.4(U)		SED	0–0.5	260
	16-1402	0316-95-0020	1.2(U)		SED	0–0.5	300
	16-1403	0316-95-0019	1.3(U)		SED	0–0.5	300
	16-1391	0316-95-0039	1.2(U)		SED	0–0.5	320
	16-1392	0316-95-0040	1.5(U)		SED	0–0.5	380
	16-1405	0316-95-0021	1.2(U)		SED	0–0.5	400
	16-1404	0316-95-0022	1.6(U)		SED	0–0.2	400
	16-1393	0316-95-0041	1.2(U)		SED	0–0.5	440
	16-1406	0316-95-0024	1.1(U)		SED	0–0.5	500
	16-1407	0316-95-0023	1.3(U)		SED	0–0.5	500
	16-1394	0316-95-0042	1.3(U)		SED	0–0.5	500
	16-1395	0316-95-0043	1.3(U)		SED	0–0.5	560
	16-2724	0316-97-0332	1.1(U)		SED	0–0.5	600

Table 2.4-3 (continued)

Analyte	Location	Sample ID	Sample Concentration (mg/kg)	BV (mg/kg)	Media	Depth (ft)	Approximate Distance from Outfall (ft)
Cyanide, total (continued)	16-1409	0316-95-0025	1.2(U)	0.82	SED	0–0.5	600
	16-2726	0316-97-0333	1.3(U)		SED	0–0.5	600
	16-1408	0316-95-0026	1.8(U)		SED	0–0.5	600
Iron	16-1379	0316-95-0027	15 700	13 800	SED	0–0.5	0
	16-1397	0316-95-0013	18 100		SED	0–0.5	0
	16-1380	0316-95-0028	21 300		SED	0–0.5	20
	16-1391	0316-95-0039	14 200		SED	0–0.5	320
	16-2710	0316-97-0388	17 800		SED	0.5–1	350
Lead	16-1379	0316-95-2015	42.7	19.7	SED	1–1.5	0
	16-1379	0316-95-0044	46.2		SED	1–1.5	0
	16-1380	0316-95-0028	107		SED	0–0.5	20
	16-1381	0316-95-0029	27.2		SED	0–0.5	40
	16-1382	0316-95-0030	36.7		SED	0–0.5	60
	16-1382	0316-95-2012	38.6		SED	0–0.5	60
	16-1382	0316-95-0045	46.5		SED	1.5–1.9	60
	16-1383	0316-95-2013	41.2		SED	0–0.5	80
	16-1383	0316-95-0031	43.1		SED	0–0.5	80
	16-1383	0316-95-0046	48.5		SED	1.7–2.2	80
	16-1385	0316-95-0033	58		SED	0–0.5	120
	16-1386	0316-95-0034	35.5		SED	0–0.5	140
	16-1387	0316-95-0035	57.8		SED	0–0.5	160
	16-1388	0316-95-0036	47.3		SED	0–0.5	180
	16-1389	0316-95-0037	46.5		SED	0–0.5	200
	16-1390	0316-95-0038	46.3		SED	0–0.5	260
	16-1403	0316-95-0019	30.3		SED	0–0.5	300
	16-1391	0316-95-0039	38.8		SED	0–0.5	320
	16-2710	0316-97-0388	23.6		SED	0.5–1	350
	16-1392	0316-95-0040	22.4		SED	0–0.5	380
	16-1404	0316-95-0022	39.4		SED	0–0.2	400
	16-1394	0316-95-0042	33.8		SED	0–0.5	500
	16-1395	0316-95-0043	22.5		SED	0–0.5	560
Magnesium	16-1380	0316-95-0028	3360	2370	SED	0–0.5	20
Manganese	16-1396	0316-95-0014	1380(J)	543	SED	0–0.5	0
	16-1398	0316-95-0016	644(J)		SED	0–0.5	100
	16-2710	0316-97-0388	1890		SED	0.5–1	350
	16-1404	0316-95-0022	642(J)		SED	0–0.2	400
	16-1407	0316-95-0023	910		SED	0–0.5	500
	16-2726	0316-97-0333	557(J-)		SED	0–0.5	600

Table 2.4-3 (continued)

Analyte	Location	Sample ID	Sample Concentration (mg/kg)	BV (mg/kg)	Media	Depth (ft)	Approximate Distance from Outfall (ft)
Manganese (continued)	16-1408	0316-95-0026	693	543	SED	0–0.5	600
	16-1409	0316-95-0025	776		SED	0–0.5	600
Nickel	16-1379	0316-95-0027	10.3	9.38	SED	0–0.5	0
	16-1397	0316-95-0013	11.5		SED	0–0.5	0
	16-1379	0316-95-2015	11.5		SED	1–1.5	0
	16-1379	0316-95-0044	11.8		SED	1–1.5	0
	16-1380	0316-95-0028	37.3		SED	0–0.5	20
	16-1382	0316-95-0045	10.8		SED	1.5–1.9	60
	16-1382	0316-95-0030	11.2		SED	0–0.5	60
	16-1382	0316-95-2012	9.9		SED	0–0.5	60
	16-1383	0316-95-0031	10.9		SED	0–0.5	80
	16-1383	0316-95-2013	9.4		SED	0–0.5	80
	16-1385	0316-95-0033	12.8		SED	0–0.5	120
	16-1386	0316-95-0034	13.3		SED	0–0.5	140
	16-1387	0316-95-0035	51.9		SED	0–0.5	160
	16-1388	0316-95-0036	16.3		SED	0–0.5	180
	16-2716	0316-97-0330	19.3(J)		SED	2–2.8	200
	16-1389	0316-95-0037	30.1		SED	0–0.5	200
	16-1390	0316-95-0038	25.9		SED	0–0.5	260
	16-1391	0316-95-0039	31.9		SED	0–0.5	320
	16-1392	0316-95-0040	21.3		SED	0–0.5	380
	16-1404	0316-95-0022	10.2		SED	0–0.2	400
	16-1394	0316-95-0042	20.1		SED	0–0.5	500
Selenium	16-1379	0316-95-0027	0.32(U)	0.3	SED	0–0.5	0
	16-1379	0316-95-0044	0.34(U)		SED	1–1.5	0
	16-1379	0316-95-2015	0.348(U)		SED	1–1.5	0
	16-1380	0316-95-0028	0.49(U)		SED	0–0.5	20
	16-1382	0316-95-2012	0.33(UJ)[e]		SED	0–0.5	60
	16-1382	0316-95-0030	0.34(UJ)		SED	0–0.5	60
	16-1382	0316-95-0045	0.347(U)		SED	1.5–1.9	60
	16-1383	0316-95-0031	0.35(UJ)		SED	0–0.5	80
	16-1383	0316-95-2013	0.35(UJ)		SED	0–0.5	80
	16-1383	0316-95-0046	0.385(U)		SED	1.7–2.2	80
	16-1398	0316-95-0016	0.31(UJ)		SED	0–0.5	100
	16-1385	0316-95-0033	0.37(UJ)		SED	0–0.5	120
	16-1386	0316-95-0034	0.33(UJ)		SED	0–0.5	140
	16-1387	0316-95-0035	0.37(UJ)		SED	0–0.5	160
	16-1388	0316-95-0036	0.39(UJ)		SED	0–0.5	180
	16-1400	0316-95-0018	0.31(UJ)		SED	0–0.5	200

Table 2.4-3 (continued)

Analyte	Location	Sample ID	Sample Concentration (mg/kg)	BV (mg/kg)	Media	Depth (ft)	Approximate Distance from Outfall (ft)
Selenium (continued)	16-1389	0316-95-0037	0.42(UJ)	0.3	SED	0–0.5	200
	16-2716	0316-97-0330	0.92(U)		SED	2–2.8	200
	16-2713	0316-97-0328	0.94(U)		SED	0–0.5	200
	16-2718	0316-97-2021	0.95(U)		SED	2–2.75	200
	16-2718	0316-97-0331	0.96(U)		SED	2–2.8	200
	16-2717	0316-97-0329	1(U)		SED	0–0.5	200
	16-1390	0316-95-0038	0.34(U)		SED	0–0.5	260
	16-1403	0316-95-0019	0.31(UJ)		SED	0–0.5	300
	16-2709	0316-97-0389	0.65(U)		SED	0.5–1	350
	16-2710	0316-97-0388	0.89(J)		SED	0.5–1	350
	16-1392	0316-95-0040	0.38(U)		SED	0–0.5	380
	16-1404	0316-95-0022	0.39(UJ)		SED	0–0.2	400
	16-1394	0316-95-0042	0.32(U)		SED	0–0.5	500
	16-1407	0316-95-0023	0.32(UJ)		SED	0–0.5	500
	16-1395	0316-95-0043	0.32(U)		SED	0–0.5	560
	16-2726	0316-97-0333	0.33(U)		SED	0–0.5	600
	16-1408	0316-95-0026	0.42(UJ)		SED	0–0.5	600
Silver	16-1387	0316-95-0035	1.1(J)	1	SED	0–0.5	160
	16-1389	0316-95-0037	1.6(J)		SED	0–0.5	200
	16-1390	0316-95-0038	4.1		SED	0–0.5	260
	16-1391	0316-95-0039	1.3		SED	0–0.5	320
	16-1404	0316-95-0022	1.2(J)		SED	0–0.2	400
Thallium	16-2713	0316-97-0328	1(U)	0.73	SED	0–0.5	200
	16-2716	0316-97-0330	1(U)		SED	2–2.8	200
	16-2718	0316-97-0331	1(U)		SED	2–2.8	200
	16-2718	0316-97-2021	1(U)		SED	2–2.75	200
	16-2717	0316-97-0329	1.1(U)		SED	0–0.5	200
Uranium	16-1397	0316-95-0013	2.39	2.22	SED	0–0.5	0
	16-1396	0316-95-0014	2.51		SED	0–0.5	0
	16-1379	0316-95-2015	3.66		SED	1–1.5	0
	16-1379	0316-95-0044	4.08		SED	1–1.5	0
	16-1380	0316-95-0028	3.17		SED	0–0.5	20
	16-1381	0316-95-0029	2.2		SED	0–0.5	40
	16-1382	0316-95-0045	2.53		SED	1.5–1.9	60
	16-1382	0316-95-0030	3.25		SED	0–0.5	60
	16-1382	0316-95-2012	4.3		SED	0–0.5	60
	16-1383	0316-95-0046	4.21		SED	1.7–2.2	80
	16-1383	0316-95-2013	4.32		SED	0–0.5	80
	16-1383	0316-95-0031	5.77		SED	0–0.5	80

Table 2.4-3 (continued)

Analyte	Location	Sample ID	Sample Concentration (mg/kg)	BV (mg/kg)	Media	Depth (ft)	Approximate Distance from Outfall (ft)
Uranium (continued)	16-1384	0316-95-0032	3.11	2.22	SED	0–0.5	100
	16-1385	0316-95-0033	5.07		SED	0–0.5	120
	16-1386	0316-95-0034	6.98		SED	0–0.5	140
	16-1387	0316-95-0035	6.39		SED	0–0.5	160
	16-1388	0316-95-0036	6.43		SED	0–0.5	180
	16-1389	0316-95-0037	8.71		SED	0–0.5	200
	16-1390	0316-95-0038	4.84		SED	0–0.5	260
	16-1391	0316-95-0039	2.94		SED	0–0.5	320
	16-1392	0316-95-0040	6.69		SED	0–0.5	380
	16-1404	0316-95-0022	3.58		SED	0–0.2	400
	16-1393	0316-95-0041	2.58		SED	0–0.5	440
	16-1406	0316-95-0024	2.92		SED	0–0.5	500
	16-1407	0316-95-0023	3.62		SED	0–0.5	500
	16-1394	0316-95-0042	4.08		SED	0–0.5	500
	16-1395	0316-95-0043	2.73		SED	0–0.5	560
	16-1409	0316-95-0025	2.48		SED	0–0.5	600
	16-1408	0316-95-0026	3.18		SED	0–0.5	600
Vanadium	16-1396	0316-95-0014	22.2	19.7	SED	0–0.5	0
	16-1379	0316-95-0027	26.7		SED	0–0.5	0
	16-1379	0316-95-2015	29.1		SED	1–1.5	0
	16-1397	0316-95-0013	29.2		SED	0–0.5	0
	16-1379	0316-95-0044	31.7		SED	1–1.5	0
	16-1380	0316-95-0028	55.7		SED	0–0.5	20
	16-1382	0316-95-0030	24.3		SED	0–0.5	60
	16-1382	0316-95-0045	27.3		SED	1.5–1.9	60
	16-1382	0316-95-2012	28.2		SED	0–0.5	60
	16-1383	0316-95-0046	30.5		SED	1.7–2.2	80
	16-1383	0316-95-2013	32		SED	0–0.5	80
	16-1383	0316-95-0031	33.7		SED	0–0.5	80
	16-1398	0316-95-0016	23.1		SED	0–0.5	100
	16-1384	0316-95-0032	28.5		SED	0–0.5	100
	16-1385	0316-95-0033	40.1		SED	0–0.5	120
	16-1386	0316-95-0034	24.8		SED	0–0.5	140
	16-1387	0316-95-0035	48.8		SED	0–0.5	160
	16-1388	0316-95-0036	42.5		SED	0–0.5	180
	16-1389	0316-95-0037	40.7		SED	0–0.5	200
	16-1390	0316-95-0038	48		SED	0–0.5	260
	16-1402	0316-95-0020	25.3		SED	0–0.5	300
	16-1391	0316-95-0039	42		SED	0–0.5	320

Table 2.4-3 (concluded)

Analyte	Location	Sample ID	Sample Concentration (mg/kg)	BV (mg/kg)	Media	Depth (ft)	Approximate Distance from Outfall (ft)
Vanadium (continued)	16-2710	0316-97-0388	53	19.7	SED	0.5–1	350
	16-1392	0316-95-0040	37		SED	0–0.5	380
	16-1404	0316-95-0022	22.8		SED	0–0.2	400
	16-1393	0316-95-0041	21.8		SED	0–0.5	440
	16-1394	0316-95-0042	29.9		SED	0–0.5	500
	16-1395	0316-95-0043	25.8		SED	0–0.5	560
	16-1408	0316-95-0026	21.2		SED	0–0.5	600
Zinc	16-1380	0316-95-0028	226	60.2	SED	0–0.5	20
	16-1381	0316-95-0029	86.1(J+)		SED	0–0.5	40
	16-1382	0316-95-2012	100(J+)		SED	0–0.5	60
	16-1382	0316-95-0030	104(J+)		SED	0–0.5	60
	16-1383	0316-95-2013	112(J+)		SED	0–0.5	80
	16-1383	0316-95-0031	116(J+)		SED	0–0.5	80
	16-1383	0316-95-0046	97.9		SED	1.7–2.2	80
	16-1384	0316-95-0032	85.2		SED	0–0.5	100
	16-1385	0316-95-0033	150(J+)		SED	0–0.5	120
	16-1386	0316-95-0034	76.8(J+)		SED	0–0.5	140
	16-1387	0316-95-0035	152(J+)		SED	0–0.5	160
	16-1388	0316-95-0036	151(J+)		SED	0–0.5	180
	16-1389	0316-95-0037	133(J+)		SED	0–0.5	200
	16-1390	0316-95-0038	139		SED	0–0.5	260
	16-1391	0316-95-0039	68.2		SED	0–0.5	320
	16-1392	0316-95-0040	76		SED	0–0.5	380
	16-1404	0316-95-0022	62.2		SED	0–0.2	400
	16-1394	0316-95-0042	62.6		SED	0–0.5	500

[a] U = The analyte was analyzed for, but not detected above the reported estimated quantitation limit or sample detection limit.

[b] J- = The analyte was positively identified, and the result is likely biased low.

[c] J+ = The analyte was positively identified, and the result is likely biased high.

[d] J = The reported value is an estimated quantity.

[e] UJ = The analyte was analyzed for, but not detected. The associated value is an estimate.

Data qualifier flags are defined in the glossary in Appendix A.

Table 2.4-4 summarizes the evidence for a release of those inorganic chemicals appearing in Table 2.4-3, and identifies those that are carried forward as COPCs to Sections 5 and 6. Appendix D presents statistical analyses and plots to support the elimination of several inorganic chemicals observed above the sediment BV from the list of COPCs. Statistical evaluation is not possible for cyanide, which was not detected in any sample. However, some of the reported DLs at PRS 16-021(c) exceed the BV, so cyanide is retained for further assessment.

Most of the remaining analytes retained in Table 2.4-4 are (1) observed above the BV in several samples, (2) have distributions that are significantly different from the background distribution, and (3) exhibit both downgradient and lateral trends, as discussed further in Section 2.4.4. Two exceptions are manganese and arsenic, for which the elevated results were not found in the center of the drainage, and which may not represent releases from the TA-16-260 outfall.

Figure 2.4-1 identifies the locations of some of the detected above-background results for retained inorganic chemicals. Barium was found to be above background in almost every sample; it is not shown in this figure. A trend plot for barium is presented in Section 2.4.4 below. Six other metals—cobalt, copper, lead, nickel, vanadium, and zinc—had similar distributions (see Appendix D), so Figure 2.4-1 merely identifies the number of these metals, if any, that were above background.

2.4.3.1.2 Evaluation of HE

Complete analytical data for HE analyses of source area samples are provided in Table I-2.0-2 of Appendix I. The validation results for these data are summarized in Appendix C, Tables C-5.0-1 and C-5.0-2. Overall, the quality of the HE data for the 46 surface and near-surface samples in the drainage is satisfactory. In many samples, high levels of HMX, RDX, and/or TNT masked other HE that could have been present as well, but conclusions about the nature and extent of the release of HE at the TA-16-260 outfall can be made despite this problem. The majority of the analytes in the HE analytical suite were positively detected or estimated in at least six samples. The exceptions were the nitrotoluenes, for which estimated values were reported in only a couple of samples, and tetryl, which was not detected in any sample.

Tetryl data were rejected for four of the five Phase II samples collected along the transect 200 ft below the outfall. The remaining results for these samples (most of which were nondetects) were qualified as UJ-. This qualification restricts the ability to say definitively that contamination has been bounded along this transect. However, no HE were detected in the three outermost samples from this transect (0316-97-0330, 0316-97-0331, and collocated sample 0316-97-2021).

Screening data are available for the Phase II sampling locations only. Twenty screening samples were collected along the two Phase II transects and near the top of BHs 16-2709 and 16-2710. Eight of these 20 were paired with laboratory samples. The laboratory samples along the transects were chosen because the field tests were negative. HMX, RDX, and amino-2,6-dinitrotoluene[4-] were reported at less than 0.5 mg/kg in sample 0316-97-0333 (from the south end of the 600-ft transect). Neither RDX nor TNT were reported in the samples from the 200-ft transect, but HMX was present at 6.7 and 50 mg/kg in surface bounding samples 0316-97-0328 and 0316-97-0329, respectively; the latter sample also contained 2.3 mg/kg of amino-2,6-dinitrotoluene[4-]. The subsurface bounding samples from this transect, which were collected another 5 ft further away from the main axis of the drainage, were clean, as mentioned in the previous paragraph.

Table 2.4-4
Results of Inorganic Data Review for Surface and Near-Surface Drainage Samples

Analyte	Media	Result	Rationale for Retaining or Eliminating as a COPC
Aluminum	SED[a]	Eliminated	Statistically indistinguishable from background. The two results above the sediment BV occur near the outfall and are well within the soil background range.
Antimony	SED	Retained	Not detected in any sample, but Phase I DLs exceed the BV.
Arsenic	SED	Retained	Several samples above the sediment BV.
Barium	SED	Retained	Consistently above background, in concentrations up to 3 wt %.
Beryllium	SED	Eliminated	Statistically indistinguishable from background. The two highest results occur near the outfall and are well within the soil background range.
Cadmium	SED	Retained	Several samples above the BV.
Calcium	SED	Eliminated	Statistically indistinguishable from background.
Chromium, total	SED	Retained	Several samples above the sediment BV.
Cobalt	SED	Retained	Several samples above the sediment BV.
Copper	SED	Retained	Several samples above the sediment BV.
Cyanide, total	SED	Retained	Not detected in any sample, but most DLs in these data exceed the DL reported in the background data set.
Iron	SED	Eliminated	Statistically indistinguishable from background. The highest results occur near the outfall and are well within the soil background range. Spatial distribution of above-BVs does not suggest release from outfall; see Appendix D.
Lead	SED	Retained	Exceeds the sediment BV in half the samples.
Magnesium	SED	Eliminated	Statistically indistinguishable from background. The one result above the sediment BV occurs near the outfall and is well within the soil background range.
Manganese	SED	Retained	Several samples above the sediment BV.
Mercury	SED	Eliminated	No results reported above the sediment background detection limit.
Nickel	SED	Retained	Several samples above the sediment BV.
Selenium	SED	Retained	One detected value above the sediment BV. Most DLs exceed the sediment BV.
Silver	SED	Retained	Several samples above the sediment background detection limit as well as some reported as estimated below the background DL.
Thallium	SED	Eliminated	Detected values are below the sediment BV. Higher DLs are comparable to higher DLs found in some samples from the background data set.
Uranium	SED	Retained	Several samples above the sediment BV.
Vanadium	SED	Retained	Several samples above the sediment BV.
Zinc	SED	Retained	Several samples above the sediment BV.

[a] SED = Sediment.

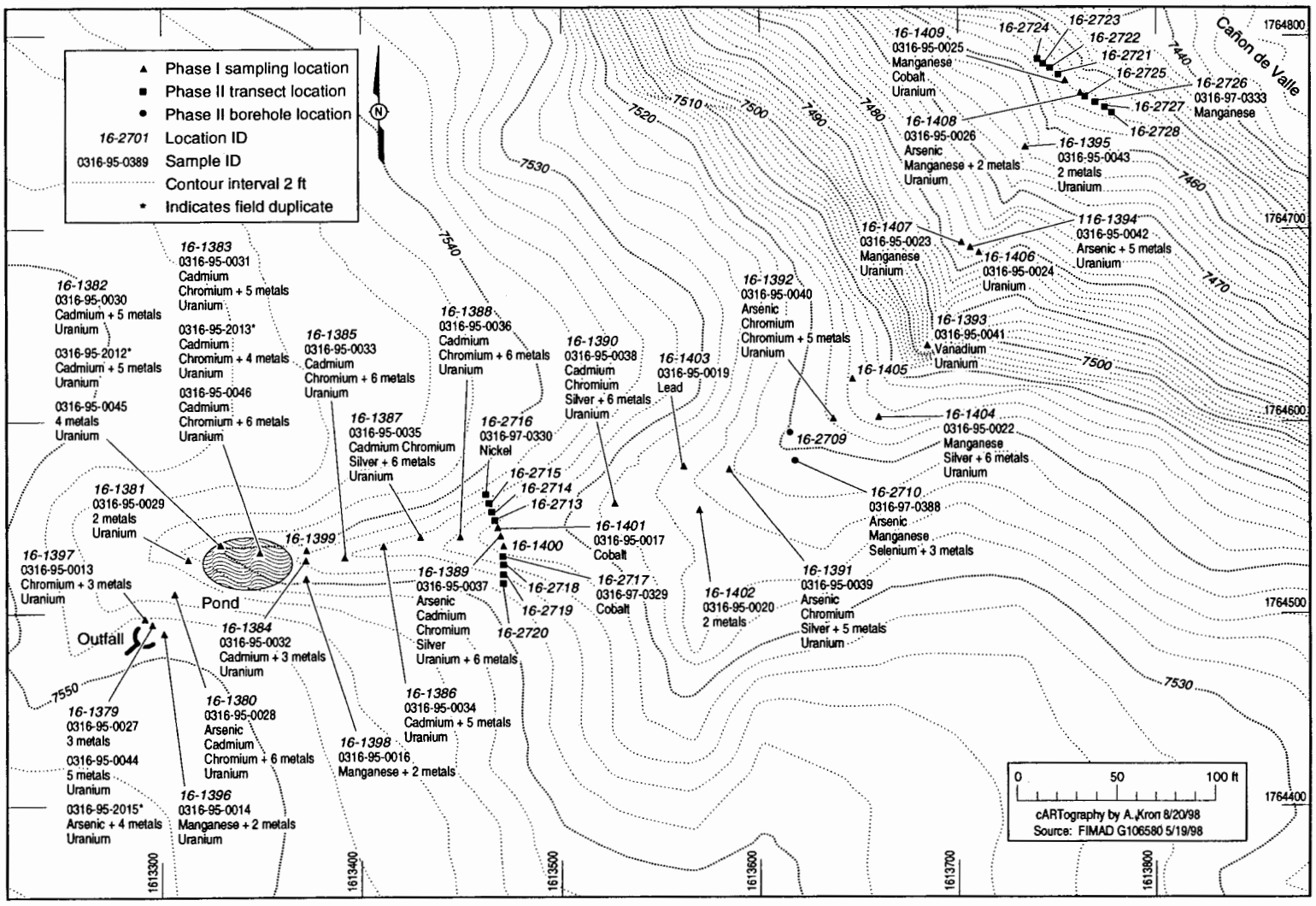


Figure 2.4-1. Inorganic chemicals with concentrations exceeding sediment BVs in surface and near-surface drainage samples. NOTE: (1) barium was above its sediment BV in almost every sample and is not shown on this plot; (2) plot indicates number of six highly correlated metals—cobalt, copper, lead, nickel, vanadium, and zinc—appearing in each sample; (3) any contaminant not detected (i.e., bearing a U qualifier in Table 2.4-3), or eliminated in Table 2.4-4, does not appear in this figure.

Field-screening results for the near-surface samples in the drainage BHs 16-2709 and 16-2710 were reported above the upper quantitative limit of the field kits. The corresponding laboratory results for RDX, TNT, and all other HE analytes, except HMX, were nondetects with very high DLs due to large amounts of HMX in the samples.

Table 2.4-5 summarizes the frequency of detected HE chemicals. All results above the DLs are shown in Table 2.4-6. Because most samples contained HE, they are best presented graphically in the trend plots of Section 2.4.4 rather than in a figure in the format of Figure 2.4-1.

Table 2.4-7 summarizes the evidence for a release of the HE chemicals that appear in Table 2.4-6. All are carried forward as COPCs to Sections 5 and 6.

Table 2.4-5
Frequency of Detected HE Chemicals in Surface and Near-Surface Drainage Samples

Analyte	Media	Number of Analyses	Contract-Required EQL (mg/kg)	Range of Concentrations (mg/kg)	Frequency of Detects[a]
Amino-2,6-dinitrotoluene[4-]	SED[b]	46	ND[c]	[0.085–250][d]	20/46
Amino-4,6-dinitrotoluene[2-]	SED	41	0.26	[0.077–250]	28/41
Dinitrobenzene[1,3-]	SED	46	0.25	[0.068–250]	2/46
Dinitrotoluene[2,4-]	SED	46	0.25	[0.057–250]	20/46
Dinitrotoluene[2,6-]	SED	46	0.26	[0.08–260]	2/46
HMX	SED	46	2.2	[0.162]–137 000	42/46
Nitrobenzene	SED	46	0.26	[0.09–260]	2/46
Nitrotoluene[3-]	SED	41	0.25	[0.154–250]	1/41
Nitrotoluene[4-]	SED	41	0.25	[0.162–250]	1/41
RDX	SED	46	1	[0.162]–118 000	33/46
Trinitrobenzene[1,3,5-]	SED	46	0.25	[0.081–250]	8/46
Trinitrotoluene[2,4,6-]	SED	46	0.25	[0.085]–10 2000	26/46

[a] Value is the ratio of the number of detected values to the number of analyses.
[b] SED = Sediment.
[c] ND = No CRQL available.
[d] Brackets indicate the value is below detection limits, although some analytes may be detected at values within this range. The extremely high detection limits correspond to samples highly contaminated with HMX and RDX.

Table 2.4-6
Detected HE Chemicals in Surface and Near-Surface Drainage Samples

Analyte	Location ID	Sample ID	Sample Concentration (mg/kg)	Media	Depth (ft)	Approximate Distance from Outfall (ft)
Amino-2,6-dinitrotoluene[4-]	16-1379	0316-95-0027	6.85	SED[a]	0–0.5	0
	16-1381	0316-95-0029	5.31	SED	0–0.5	40
	16-1382	0316-95-0030	3.11(J)[b]	SED	0–0.5	60
	16-1383	0316-95-0031	22.8	SED	0–0.5	80
	16-1387	0316-95-0035	3.51	SED	0–0.5	160
	16-2717	0316-97-0329	2.3(J-)[c]	SED	0–0.5	200
	16-1401	0316-95-0017	20.1	SED	0–0.5	200
	16-1400	0316-95-0018	21.6	SED	0–0.5	200
	16-1390	0316-95-0038	34.7	SED	0–0.5	260
	16-1403	0316-95-0019	1.63	SED	0–0.5	300
	16-1391	0316-95-0039	10.1	SED	0–0.5	320
	16-1392	0316-95-0040	60.8	SED	0–0.5	380
	16-1393	0316-95-0041	10.5	SED	0–0.5	440
	16-1394	0316-95-0042	33	SED	0–0.5	500
	16-1395	0316-95-0043	27.3	SED	0–0.5	560
	16-2726	0316-97-0333	0.169	SED	0–0.5	600
	16-1409	0316-95-0025	1.69	SED	0–0.5	600
	16-1408	0316-95-0026	64.1	SED	0–0.5	600
Amino-4,6-dinitrotoluene[2-]	16-1397	0316-95-0013	0.288	SED	0–0.5	0
	16-1379	0316-95-0027	6.55	SED	0–0.5	0
	16-1380	0316-95-0028	5.26	SED	0–0.5	20
	16-1382	0316-95-0030	14	SED	0–0.5	60
	16-1382	0316-95-2012	17.2	SED	0–0.5	60
	16-1383	0316-95-0031	40.2	SED	0–0.5	80
	16-1398	0316-95-0016	0.265	SED	0–0.5	100
	16-1399	0316-95-0015	0.274	SED	0–0.5	100
	16-1384	0316-95-0032	41.4	SED	0–0.5	100
	16-1385	0316-95-0033	28	SED	0–0.5	120
	16-1386	0316-95-0034	27.8	SED	0–0.5	140
	16-1387	0316-95-0035	25.6	SED	0–0.5	160
	16-1388	0316-95-0036	59.6	SED	0–0.5	180
	16-1401	0316-95-0017	25.4	SED	0–0.5	200
	16-1389	0316-95-0037	35.9	SED	0–0.5	200
	16-1400	0316-95-0018	42.2	SED	0–0.5	200
	16-1390	0316-95-0038	38.3	SED	0–0.5	260
	16-1403	0316-95-0019	2.82	SED	0–0.5	300
	16-1391	0316-95-0039	11.5	SED	0–0.5	320

Table 2.4-6 (continued)

Analyte	Location ID	Sample ID	Sample Concentration (mg/kg)	Media	Depth (ft)	Approximate Distance from Outfall (ft)
Amino-4,6-dinitrotoluene[2-] (continued)	16-1392	0316-95-0040	64.4	SED	0–0.5	380
	16-1404	0316-95-0022	27.7	SED	0–0.2	400
	16-1405	0316-95-0021	6.38	SED	0–0.5	400
	16-1393	0316-95-0041	13.2	SED	0–0.5	440
	16-1394	0316-95-0042	38.2	SED	0–0.5	500
	16-1395	0316-95-0043	33.1	SED	0–0.5	560
	16-2726	0316-97-0333	0.406	SED	0–0.5	600
	16-1409	0316-95-0025	2.8	SED	0–0.5	600
	16-1408	0316-95-0026	82.7	SED	0–0.5	600
Dinitrobenzene[1,3-]	16-1382	0316-95-0045	2.04(J-)	SED	1.5–1.9	60
	16-1383	0316-95-2013	29(J)	SED	0–0.5	80
Dinitrotoluene[2,4-]	16-1379	0316-95-0027	0.122	SED	0–0.5	0
	16-1379	0316-95-0044	10.5(J-)	SED	1–1.5	0
	16-1380	0316-95-0028	0.917	SED	0–0.5	20
	16-1381	0316-95-0029	0.239	SED	0–0.5	40
	16-1382	0316-95-0045	46.1(J-)	SED	1.5–1.9	60
	16-1383	0316-95-0046	24.2(J-)	SED	1.7–2.2	80
	16-1384	0316-95-0032	2.54	SED	0–0.5	100
	16-1401	0316-95-0017	0.446	SED	0–0.5	200
	16-1400	0316-95-0018	1.2	SED	0–0.5	200
	16-1390	0316-95-0038	1.45	SED	0–0.5	260
	16-1403	0316-95-0019	0.305	SED	0–0.5	300
	16-1391	0316-95-0039	0.308	SED	0–0.5	320
	16-1392	0316-95-0040	0.88	SED	0–0.5	380
	16-1405	0316-95-0021	0.407	SED	0–0.5	400
	16-1404	0316-95-0022	3.99	SED	0–0.2	400
	16-1393	0316-95-0041	1.13	SED	0–0.5	440
	16-1394	0316-95-0042	0.916	SED	0–0.5	500
	16-1395	0316-95-0043	0.877	SED	0–0.5	560
	16-1409	0316-95-0025	0.144	SED	0–0.5	600
	16-1408	0316-95-0026	0.761	SED	0–0.5	600
Dinitrotoluene[2,6-]	16-1391	0316-95-0039	0.144	SED	0–0.5	320
	16-1394	0316-95-0042	0.537	SED	0–0.5	500
HMX	16-1396	0316-95-0014	0.822	SED	0–0.5	0
	16-1379	0316-95-0027	1360	SED	0–0.5	0
	16-1397	0316-95-0013	22.4	SED	0–0.5	0
	16-1379	0316-95-2015	3310(J-)	SED	1–1.5	0

Table 2.4-6 (continued)

Analyte	Location ID	Sample ID	Sample Concentration (mg/kg)	Media	Depth (ft)	Approximate Distance from Outfall (ft)
HMX (continued)	16-1379	0316-95-0044	5240(J-)	SED	1–1.5	0
	16-1380	0316-95-0028	4860	SED	0–0.5	20
	16-1381	0316-95-0029	10 600	SED	0–0.5	40
	16-1382	0316-95-0045	24 600(J-)	SED	1.5–1.9	60
	16-1382	0316-95-0030	34 800	SED	0–0.5	60
	16-1382	0316-95-2012	43 100	SED	0–0.5	60
	16-1383	0316-95-2013	102 000	SED	0–0.5	80
	16-1383	0316-95-0031	124 000	SED	0–0.5	80
	16-1383	0316-95-0046	70 900(J-)	SED	1.7–2.2	80
	16-1398	0316-95-0016	16.5	SED	0–0.5	100
	16-1384	0316-95-0032	32 900	SED	0–0.5	100
	16-1399	0316-95-0015	6.26	SED	0–0.5	100
	16-1385	0316-95-0033	77 200	SED	0–0.5	120
	16-1386	0316-95-0034	81 300	SED	0–0.5	140
	16-1387	0316-95-0035	33 700	SED	0–0.5	160
	16-1388	0316-95-0036	137 000	SED	0–0.5	180
	16-1400	0316-95-0018	172	SED	0–0.5	200
	16-1401	0316-95-0017	2590	SED	0–0.5	200
	16-2717	0316-97-0329	50(J-)	SED	0–0.5	200
	16-1389	0316-95-0037	54 000	SED	0–0.5	200
	16-2713	0316-97-0328	6.7(J-)	SED	0–0.5	200
	16-1390	0316-95-0038	54 700	SED	0–0.5	260
	16-1403	0316-95-0019	38.3	SED	0–0.5	300
	16-1402	0316-95-0020	4.02	SED	0–0.5	300
	16-1391	0316-95-0039	2750	SED	0–0.5	320
	16-2709	0316-97-0389	12 000	SED	0.5–1	350
	16-2710	0316-97-0388	15 000	SED	0.5–1	350
	16-1392	0316-95-0040	23 000	SED	0–0.5	380
	16-1405	0316-95-0021	1.89	SED	0–0.5	400
	16-1404	0316-95-0022	367	SED	0–0.2	400
	16-1393	0316-95-0041	5200	SED	0–0.5	440
	16-1406	0316-95-0024	0.404	SED	0–0.5	500
	16-1407	0316-95-0023	0.969	SED	0–0.5	500
	16-1394	0316-95-0042	20 300	SED	0–0.5	500
	16-1395	0316-95-0043	12 500	SED	0–0.5	560
	16-2726	0316-97-0333	0.322	SED	0–0.5	600
	16-1409	0316-95-0025	108	SED	0–0.5	600
	16-1408	0316-95-0026	378	SED	0–0.5	600

Table 2.4-6 (continued)

Analyte	Location ID	Sample ID	Sample Concentration (mg/kg)	Media	Depth(ft)	Approximate Distance from Outfall (ft)
Nitrobenzene	16-1401	0316-95-0017	0.091	SED	0–0.5	200
	16-1404	0316-95-0022	1.2	SED	0–0.2	400
Nitrotoluene[3-]	16-1400	0316-95-0018	2.12	SED	0–0.5	200
Nitrotoluene[4-]	16-1389	0316-95-0037	6.66(J)	SED	0–0.5	200
RDX	16-1397	0316-95-0013	1.38	SED	0–0.5	0
	16-1379	0316-95-2015	41 000(J-)	SED	1–1.5	0
	16-1379	0316-95-0044	61 500(J-)	SED	1–1.5	0
	16-1379	0316-95-0027	898	SED	0–0.5	0
	16-1380	0316-95-0028	6830	SED	0–0.5	20
	16-1382	0316-95-0045	118 000(J-)	SED	1.5–1.9	60
	16-1382	0316-95-0030	12 400	SED	0–0.5	60
	16-1382	0316-95-2012	18 800	SED	0–0.5	60
	16-1383	0316-95-0046	116 000(J-)	SED	1.7–2.2	80
	16-1383	0316-95-0031	21 100	SED	0–0.5	80
	16-1383	0316-95-2013	23 500	SED	0–0.5	80
	16-1399	0316-95-0015	0.541	SED	0–0.5	100
	16-1384	0316-95-0032	29 600	SED	0–0.5	100
	16-1398	0316-95-0016	4.18	SED	0–0.5	100
	16-1385	0316-95-0033	14 500	SED	0–0.5	120
	16-1386	0316-95-0034	10 200	SED	0–0.5	140
	16-1387	0316-95-0035	15 500	SED	0–0.5	160
	16-1388	0316-95-0036	9060	SED	0–0.5	180
	16-1400	0316-95-0018	26.6	SED	0–0.5	200
	16-1389	0316-95-0037	5290	SED	0–0.5	200
	16-1401	0316-95-0017	94.6	SED	0–0.5	200
	16-1390	0316-95-0038	3500	SED	0–0.5	260
	16-1403	0316-95-0019	4.83	SED	0–0.5	300
	16-1391	0316-95-0039	1220	SED	0–0.5	320
	16-1392	0316-95-0040	137	SED	0–0.5	380
	16-1405	0316-95-0021	0.348	SED	0–0.5	400
	16-1404	0316-95-0022	2.44	SED	0–0.2	400
	16-1393	0316-95-0041	452	SED	0–0.5	440
	16-1394	0316-95-0042	611	SED	0–0.5	500
	16-1395	0316-95-0043	302	SED	0–0.5	560
	16-2726	0316-97-0333	0.456	SED	0–0.5	600
	16-1409	0316-95-0025	1.21	SED	0–0.5	600
	16-1408	0316-95-0026	74.8	SED	0–0.5	600
Trinitrobenzene[1,3,5-]	16-1379	0316-95-0044	1.66(J-)	SED	1–1.5	0
	16-1380	0316-95-0028	0.488	SED	0–0.5	20

Table 2.4-6 (concluded))

Analyte	Location ID	Sample ID	Sample Concentration (mg/kg)	Media	Depth (ft)	Approximate Distance from Outfall (ft)
Trinitrobenzene[1,3,5-] (continued)	16-1382	0316-95-0045	3.99(J-)	SED	1.5–1.9	60
	16-1383	0316-95-0046	4.68(J-)	SED	1.7–2.2	80
	16-1401	0316-95-0017	0.199	SED	0–0.5	200
	16-1391	0316-95-0039	0.276	SED	0–0.5	320
	16-1394	0316-95-0042	0.735	SED	0–0.5	500
	16-1408	0316-95-0026	0.129	SED	0–0.5	600
Trinitrotoluene[2,4,6-]	16-1379	0316-95-2015	17 700(J-)	SED	1–1.5	0
	16-1379	0316-95-0027	22.8	SED	0–0.5	0
	16-1379	0316-95-0044	31 900(J-)	SED	1–1.5	0
	16-1380	0316-95-0028	1760	SED	0–0.5	20
	16-1381	0316-95-0029	15.1	SED	0–0.5	40
	16-1382	0316-95-0045	102 000(J-)	SED	1.5–1.9	60
	16-1382	0316-95-0030	185	SED	0–0.5	60
	16-1382	0316-95-2012	255	SED	0–0.5	60
	16-1383	0316-95-0031	325	SED	0–0.5	80
	16-1383	0316-95-2013	370	SED	0–0.5	80
	16-1383	0316-95-0046	57 300(J-)	SED	1.7–2.2	80
	16-1384	0316-95-0032	4570	SED	0–0.5	100
	16-1385	0316-95-0033	422	SED	0–0.5	120
	16-1386	0316-95-0034	311	SED	0–0.5	140
	16-1387	0316-95-0035	240	SED	0–0.5	160
	16-1388	0316-95-0036	402	SED	0–0.5	180
	16-1389	0316-95-0037	181	SED	0–0.5	200
	16-1401	0316-95-0017	32.5	SED	0–0.5	200
	16-1400	0316-95-0018	5.45	SED	0–0.5	200
	16-1390	0316-95-0038	106	SED	0–0.5	260
	16-1391	0316-95-0039	19.8	SED	0–0.5	320
	16-1392	0316-95-0040	95.2	SED	0–0.5	380
	16-1393	0316-95-0041	19.9	SED	0–0.5	440
	16-1394	0316-95-0042	44.3	SED	0–0.5	500
	16-1395	0316-95-0043	14.3	SED	0–0.5	560
	16-1408	0316-95-0026	16.8	SED	0–0.5	600

[a] SED = Sediment.
[b] J = The reported value is an estimated quantity.
[c] J- = The analyte was positively identified, and the result is likely biased low.
Data qualifier flags are defined in the glossary in Appendix A.

Table 2.4-7
Results of HE Chemicals Data Review for Surface and Near-Surface Drainage Samples

Analyte	Media	Result	Rationale for Retaining as a COPC
Amino-2,6-dinitrotoluene[4-]	Soil	Retained	Detected in almost half the samples, at levels up to 65 mg/kg.
Amino-4,6-dinitrotoluene[2-]	Soil	Retained	Detected in more than half the samples, at levels up to 83 mg/kg.
Dinitrobenzene[1,3-]	Soil	Retained	Detected in only two samples, but at levels up to 29 mg/kg.
Dinitrotoluene[2,4-]	Soil	Retained	Detected in almost half the samples, at levels up to 46 mg/kg.
Dinitrotoluene[2,6-]	Soil	Retained	Detected in two samples, at less than 1 mg/kg.
HMX	Soil	Retained	Detected in almost all samples, at levels up to 13.7 wt %.
Nitrobenzene	Soil	Retained	Detected in two samples, at less than 2 mg/kg.
Nitrotoluene[3-]	Soil	Retained	Detected in one sample, at 2.1 mg/kg.
Nitrotoluene[4-]	Soil	Retained	Detected in one sample, at 6.7 mg/kg.
RDX	Soil	Retained	Detected in 75% of the samples, at levels up to 11.8 wt %.
Trinitrobenzene [1,3,5-]	Soil	Retained	Detected in several samples, at less than 5 mg/kg.
Trinitrotoluene[2,4,6-]	Soil	Retained	Detected in more than half the samples, at levels up to 10.2 wt %.

2.4.3.1.3 Evaluation of VOCs and SVOCs

Complete analytical data for volatile and semivolatile organic chemical analyses of source area samples are provided in Tables I-2.0-3 and I-2.0-4 of Appendix I. Validation results for these data are summarized in Appendix C, Tables C-5.0-1 and C-5.0-2. Overall, the quality of the other organic chemical data for the 46 surface and near-surface samples in the drainage is satisfactory.

High DLs affected SVOC analyses for the four subsurface samples included in Phase I (all submitted in request 1173). In two of these samples, bis(2-ethylhexyl)phthalate and anthracene were reported at levels above 100 mg/kg. Both of these analytes were detected in several other samples as well. The remaining drainage samples adequately represent SVOCs present in the surface and near-surface soils in the drainage.

Table 2.4-8 summarizes the frequency of detected organic chemicals, excluding HE. All results above the DLs are shown in Table 2.4-9.

Table 2.4-10 summarizes the evidence for a release of those organic chemicals that appear in Table 2.4-9. All are carried forward as COPCs to Sections 5 and 6 for assessment. Figure 2.4-2 identifies the locations of detected results for the major organic chemicals. Locations where dinitrotoluene, an HE chemical included in the SVOC analytical suite, was detected are not identified in Figure 2.4-2.

Table 2.4-8

Frequency of Detected Organic Chemicals, Excluding HE, in Surface and Near-Surface Drainage Samples

Analyte	Media	Number of Analyses	Contract-Required EQL (mg/kg)	Range of Concentrations (mg/kg)	Frequency of Detects[a]
Volatiles					
Acetone	SED[b]	13	0.02	[0.011][c]–0.067	4/13
Benzene	SED	13	0.005	0.002–[0.008]	1/13
Butylbenzene[sec-]	SED	13	0.005	[0.0056]–0.04	1/13
Dichlorobenzene[1,2-]	SED	13	0.005	[0.0056]–0.01	1/13
Isopropyltoluene[4-]	SED	13	0.005	[0.0056]–0.14	3/13
Toluene	SED	13	0.005	0.002–[0.008]	1/13
Trichloroethane[1,1,1-]	SED	13	0.005	[0.0056]–0.065	1/13
Trimethylbenzene[1,2,4-]	SED	13	0.005	[0.0056]–0.08	2/13
Semivolatiles					
Anthracene	SED	46	0.33	[0.33]–540	9/46
Benzoic Acid	SED	46	0.33	0.07–[1300]	6/46
Bis(2-ethylhexyl)phthalate	SED	46	0.33	0.16–4600	20/46
Dichlorobenzene[1,2-]	SED	46	0.33	[0.33–130]	1/46
Dinitrotoluene[2,4-]	SED	46	0.33	0.048–[130]	14/46
Dinitrotoluene[2,6-]	SED	46	0.33	0.053–[130]	6/46
Hexachlorocyclopentadiene	SED	46	0.33	[0.33–130]	1/46
Nitrosodiphenylamine[N-]	SED	46	0.33	0.057–[130]	1/46
Phenanthrene	SED	46	0.33	0.052–[130]	3/46
Pyrene	SED	46	0.33	0.071–[130]	1/46

[a] Value is the ratio of the number of detected values to the number of analyses.

[b] SED = Sediment.

[c] Brackets indicate the value is below detection limits, although some analytes may be detected at values within this range.

Table 2.4-9

Detected Organic Chemicals, Excluding HE, in Surface and Near-Surface Drainage Samples

Analyte	Location ID	Sample ID	Sample Concentration (mg/kg)	Media	Depth (ft)	Approximate Distance from Outfall (ft)
Volatiles						
Acetone	16-1379	0316-95-2015	0.014(J)[a]	SED[b]	1–1.5	0
	16-1379	0316-95-0044	0.067(J-)[c]	SED	1–1.5	0
	16-1383	0316-95-0046	0.044(J-)	SED	1.7–2.2	80
	16-2709	0316-97-0389	0.017(J)	SED	0.5–1	350

Table 2.4-9 (continued)

Analyte	Location ID	Sample ID	Sample Concentration (mg/kg)	Media	Depth (ft)	Approximate Distance from Outfall (ft)
Benzene	16-2713	0316-97-0328	0.002(J+)[d]	SED	0–0.5	200
Butylbenzene[sec-]	16-1382	0316-95-0045	0.04(J-)	SED	1.5–1.9	60
Dichlorobenzene[1,2-]	16-1383	0316-95-0046	0.01	SED	1.7–2.2	80
Isopropyltoluene[4-]	16-1379	0316-95-0044	0.015(J-)	SED	1–1.5	0
	16-1382	0316-95-0045	0.14(J-)	SED	1.5–1.9	60
	16-1383	0316-95-0046	0.008(J-)	SED	1.7–2.2	80
Toluene	16-2713	0316-97-0328	0.002(J+)	SED	0–0.5	200
Trichloroethane[1,1,1-]	16-1383	0316-95-0046	0.065(J-)	SED	1.7–2.2	80
Trimethylbenzene[1,2,4-]	16-1383	0316-95-0046	0.015(J-)	SED	1.7–2.2	80
	16-1382	0316-95-0045	0.08(J-)	SED	1.5–1.9	60
Semivolatiles						
Anthracene	16-1382	0316-95-2012	1.9(J)	SED	0–0.5	60
	16-1382	0316-95-0045	260	SED	1.5–1.9	60
	16-1383	0316-95-0031	3.3(J)	SED	0–0.5	80
	16-1383	0316-95-0046	540	SED	1.7–2.2	80
	16-1383	0316-95-2013	6.2(J)	SED	0–0.5	80
	16-1385	0316-95-0033	6.9(J)	SED	0–0.5	120
	16-1386	0316-95-0034	0.95(J)	SED	0–0.5	140
	16-1387	0316-95-0035	1(J)	SED	0–0.5	160
	16-1389	0316-95-0037	0.87(J)	SED	0–0.5	200
Benzoic Acid	16-1398	0316-95-0016	0.08(J)	SED	0–0.5	100
	16-1400	0316-95-0018	0.13(J)	SED	0–0.5	200
	16-1404	0316-95-0022	0.43(J)	SED	0–0.2	400
	16-1406	0316-95-0024	0.07(J)	SED	0–0.5	500
	16-1407	0316-95-0023	0.12(J)	SED	0–0.5	500
	16-1408	0316-95-0026	0.12(J)	SED	0–0.5	600
Bis(2-ethylhexyl)phthalate	16-1379	0316-95-0027	0.41(J)	SED	0–0.5	0
	16-1379	0316-95-0044	4600	SED	1–1.5	0
	16-1380	0316-95-0028	4(J)	SED	0–0.5	20
	16-1381	0316-95-0029	2.2	SED	0–0.5	40
	16-1382	0316-95-2012	26(J)	SED	0–0.5	60
	16-1383	0316-95-0046	150	SED	1.7–2.2	80
	16-1383	0316-95-0031	45(J)	SED	0–0.5	80
	16-1383	0316-95-2013	57(J)	SED	0–0.5	80
	16-1384	0316-95-0032	16	SED	0–0.5	100
	16-1385	0316-95-0033	52(J)	SED	0–0.5	120
	16-1389	0316-95-0037	12(J)	SED	0–0.5	200
	16-1390	0316-95-0038	4.8	SED	0–0.5	260
	16-1391	0316-95-0039	0.59(J)	SED	0–0.5	320

Table 2.4-9 (concluded)

Analyte	Location ID	Sample ID	Sample Concentration (mg/kg)	Media	Depth (ft)	Approximate Distance from Outfall (ft)
Bis(2-ethylhexyl)phthalate (continued)	16-2710	0316-97-0388	0.37(J)	SED	0.5–1	350
	16-2709	0316-97-0389	0.4(J)	SED	0.5–1	350
	16-1392	0316-95-0040	1.4	SED	0–0.5	380
	16-1393	0316-95-0041	0.77	SED	0–0.5	440
	16-1406	0316-95-0024	0.16(J)	SED	0–0.5	500
	16-1394	0316-95-0042	0.86	SED	0–0.5	500
	16-1395	0316-95-0043	0.45	SED	0–0.5	560
Dichlorobenzene[1,2-]	16-1386	0316-95-0034	9.2	SED	0–0.5	140
Dinitrotoluene[2,4-]	16-1379	0316-95-0027	0.048(J)	SED	0–0.5	0
	16-1384	0316-95-0032	0.61(J)	SED	0–0.5	100
	16-1401	0316-95-0017	0.1(J)	SED	0–0.5	200
	16-1400	0316-95-0018	0.31(J)	SED	0–0.5	200
	16-1389	0316-95-0037	0.79(J)	SED	0–0.5	200
	16-1390	0316-95-0038	0.79	SED	0–0.5	260
	16-1391	0316-95-0039	0.2(J)	SED	0–0.5	320
	16-1392	0316-95-0040	0.5	SED	0–0.5	380
	16-1405	0316-95-0021	0.5(J)	SED	0–0.5	400
	16-1404	0316-95-0022	2.6	SED	0–0.2	400
	16-1393	0316-95-0041	0.28(J)	SED	0–0.5	440
	16-1394	0316-95-0042	0.33(J)	SED	0–0.5	500
	16-1395	0316-95-0043	0.28(J)	SED	0–0.5	560
	16-1409	0316-95-0025	0.094(J)	SED	0–0.5	600
Dinitrotoluene[2,6-]	16-1390	0316-95-0038	0.34(J)	SED	0–0.5	260
	16-1392	0316-95-0040	0.2(J)	SED	0–0.5	380
	16-1393	0316-95-0041	0.089(J)	SED	0–0.5	440
	16-1394	0316-95-0042	0.1(J)	SED	0–0.5	500
	16-1395	0316-95-0043	0.053(J)	SED	0–0.5	560
	16-1408	0316-95-0026	0.084(J)	SED	0–0.5	600
Nitrosodiphenylamine[N-]	16-1390	0316-95-0038	0.057(J)	SED	0–0.5	260
Phenanthrene	16-1384	0316-95-0032	4.6	SED	0–0.5	100
	16-1390	0316-95-0038	0.23(J)	SED	0–0.5	260
	16-1393	0316-95-0041	0.052(J)	SED	0–0.5	440
Pyrene	16-1390	0316-95-0038	0.071(J)	SED	0–0.5	260

[a] J = The reported value is an estimated quantity.
[b] SED = Sediment.
[c] J- = The analyte was positively identified, and the result is likely biased low.
[d] J+ = The analyte was positively identified, and the result is likely biased high.
Data qualifier flags are defined in the glossary in Appendix A.

Table 2.4-10

Results of Organic Chemical Data Review for Surface and Near-Surface Drainage Samples

Analyte	Media	Result	Rationale for Retaining as a COPC
Volatiles			
Acetone	Soil	Retained	Reported in four samples, at less than 0.07 mg/kg.
Benzene	Soil	Retained	Reported in one sample, at 0.002 mg/kg.
Butylbenzene[sec-]	Soil	Retained	Reported in one sample, at 0.04 mg/kg.
Dichlorobenzene[1,2-]	Soil	Retained	Reported in one sample, at 0.01 mg/kg.
Isopropyltoluene[4-]	Soil	Retained	Reported in three samples, at less than 0.2 mg/kg.
Toluene	Soil	Retained	Reported in one sample, at 0.002 mg/kg.
Trichloroethane[1,1,1-]	Soil	Retained	Reported in one sample, at 0.065 mg/kg.
Trimethylbenzene [1,2,4-]	Soil	Retained	Reported in two samples, at less than 0.1 mg/kg.
Semivolatiles			
Anthracene	Soil	Retained	Reported in several samples, at up to 540 mg/kg.
Benzoic Acid	Soil	Retained	Reported in several samples, at less than 0.5 mg/kg.
Bis(2-ethylhexyl)phthalate	Soil	Retained	Reported in almost half the samples, at up to 4600 mg/kg.
Dichlorobenzene[1,2-]	Soil	Retained	Reported in one sample, at 9.2 mg/kg.
Dinitrotoluene[2,4-]	Soil	Retained	Reported in several samples (an HE).
Dinitrotoluene[2,6-]	Soil	Retained	Reported in several samples (an HE).
Hexachlorocyclopentadiene	Soil	Retained	Reported in one sample, at 9.6 mg/kg.
Nitrosodiphenylamine [N-]	Soil	Retained	Reported in one sample, at 0.06 mg/kg.
Phenanthrene	Soil	Retained	Reported in several samples, at up to 4.6 mg/kg.
Pyrene	Soil	Retained	Reported in one sample, at 0.07 mg/kg.

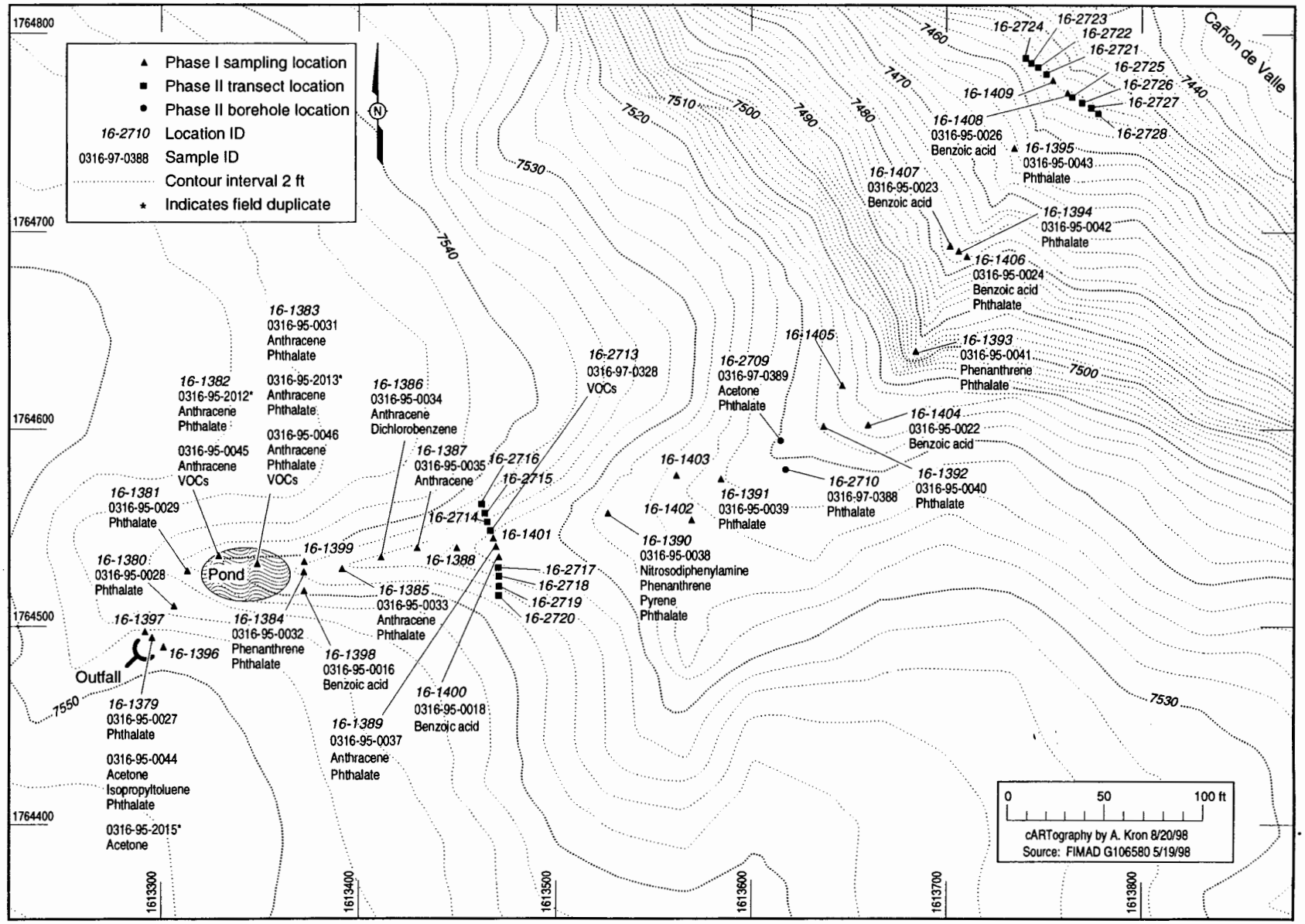


Figure 2.4-2. Detected organic chemicals in surface and near-surface drainage samples

2.4.3.2 BH Data

2.4.3.2.1 Inorganic Chemical Comparison with Background

Complete analytical data for inorganic chemical analyses of source area samples are provided in Table I-2.0-5 of Appendix I. Validation results for these data are summarized in Appendix C, Tables C-5.0-1 and C-5.0-2. Overall, the data quality for the 47 BH samples that are discussed in this section is satisfactory.

The most significant gap in the BH data arises from the rejection of nondetected results for antimony and mercury in the two samples collected at the bottom of BH 16-2706, which was drilled in the drainage about 210 ft below the outfall. Barium, copper, and lead were found in the upper of these two samples at levels slightly above background. While antimony was not detected in any BH sample, mercury was reported slightly above DL at a comparable depth in a nearby hole (16-2707).

Other rejected data include nondetected total cyanide results from BH 16-2707 (outside of the drainage south of the pond), chromium reported within the background ranges in some samples from 16-2701 and 16-2704 (both of which are outside the drainage), and a manganese result, also reported within the background range, from 16-2709 at the east end of the drainage. These results are scattered throughout the domain. In some samples, being investigated, and their unavailability does not materially affect conclusions based on this data set. DLs were above BVs for antimony, selenium, silver, and total cyanide.

The combined background soil data (i.e., data from A, B, and C soil horizons) were used for background comparisons for the five soil samples. Soil samples in this data set came from outside the TA-16-260 outfall drainage in areas where the soil is relatively thick and well developed, in contrast to the drainage sediments discussed in Section 2.4.3.1. The combined background data from Bandelier Tuff units Qbt_4, Qbt_3, and Qbt_2 were used for background comparisons for the remaining samples. The tuff samples in this data set came from Bandelier Tuff units Qbt_3, Qbt_4, and Qbt_5 (Qbt_5 is not represented in the background data set).

Table 2.4-11 summarizes the frequency of (1) detected inorganic chemicals and (2) nondetected chemicals with DLs exceeding BVs based on the background soil data or background tuff data, respectively. Results above the BVs, including nondetected results at DLs above background, are shown in Table 2.4-12. The water/slurry sample from the surge bed between Qbt_4 and Qbt_5 was collected from BH 16-2700 (from which the water was evaporated prior to analysis). It is compared to the tuff background and included with the other tuff samples in Table 2.4-11. However, it is explicitly identified by the word surge in the media column of Table 2.4-12 because the results reported represent the sum of the contaminants dissolved in the water and the contaminants present in the solids. Thus, they are not strictly comparable to results from other tuff samples.

Table 2.4-13 summarizes the evidence for a release of those inorganic chemicals that appear in Table 2.4-12 and identifies those that are carried forward as COPCs to Sections 5 and 6. Statistical analysis and plots to support the elimination of analytes with one or two results above background are presented in Appendix D. Statistical evaluation is not possible for antimony, cyanide, selenium, or silver, none of which were detected in any sample. However, some of the reported DLs exceed the BVs, so these four chemicals are retained for further assessment. Most of the remaining analytes in Table 2.4-13 were observed above the BV in several samples and have distributions that were significantly different from the background distribution. Figure 2.4-3 identifies the locations of detected above-background results for retained inorganic chemicals.

Table 2.4-11
Frequency of Detected Inorganic Chemicals in Phase II BHs

Analyte	Media	Number of Analyses	Number of Detects	Concentration Range (mg/kg)	BV (mg/kg)	Frequency of Detects Above BV[a]
Aluminum	Soil	5	4	3110–11000	29 200	0/5
	Surge	1	1	3510	7340	0/1
	Tuff	41	41	160–8900	7340	2/41
Antimony	Soil	5	0	[0.48–7.6][b]	0.83	DL > BV[c] (2/5)
	Surge	1	0	[0.62]	0.5	DL > BV (1/1)
	Tuff	41	0	[0.38–11]	0.5	DL > BV (32/39)
Arsenic	Soil	5	5	0.78–4.4	8.17	0/5
	Surge	1	1	2.3	2.79	0/1
	Tuff	41	35	[0.24]–8.2	2.79	3/41
Barium	Soil	5	5	59.3–329	295	1/5
	Surge	1	1	560	46	1/1
	Tuff	41	40	5.9–600	46	9/41
Beryllium	Soil	5	5	0,.46–1.5	1.83	0/5
	Surge	1	0	[0.52]	1.21	0/1
	Tuff	41	23	0.15–1.4	1.21	1/41
Cadmium	Soil	5	1	[0.04–0.42]	0.4	1/5
	Surge	1	1	0.27	1.63	0/1
	Tuff	41	2	[0.04]–0.69	1.63	0/41
Calcium	Soil	5	5	1250–2750	6120	0/5
	Surge	1	1	723	2200	0/1
	Tuff	41	41	307–1900	2200	0/41
Chromium, total	Soil	5	3	2.5–[7.9]	19.3	0/4
	Surge	1	1	5.7	7.14	0/1
	Tuff	41	19	0.32–9.5	7.14	1/39
Cobalt	Soil	5	5	2.2–6.8	8.64	0/5
	Surge	1	1	2.1	3.14	0/1
	Tuff	41	22	[0.13]–3.1	3.14	0/41
Copper	Soil	5	5	3.8–9.3	14.7	0/5
	Surge	1	1	5.1	4.66	1/1
	Tuff	41	35	0.31–29.6	4.66	2/41
Cyanide, total	Soil	5	0	[0.05–1.1]	0.5	3/5
	Surge	1	0	[0.35]	0.5	0/1
	Tuff	36	0	[0.05–1.4]	0.5	DL > BV (17/33)
Iron	Soil	5	5	4830–13 200	21 500	0/5
	Surge	1	1	6440	14 500	0/1
	Tuff	41	41	1050–9350	14 500	0/41

Table 2.4-11 (concluded)

Analyte	Media	Number of Analyses	Number of Detects	Concentration Range (mg/kg)	BV (mg/kg)	Frequency of Detects Above BV[a]
Lead	Soil	5	5	4.9–13.1	22.3	0/5
	Surge	1	1	6.6	11.2	0/1
	Tuff	41	41	0.55–33	11.2	2/41
Magnesium	Soil	5	5	553–2180	4610	0/5
	Surge	1	1	373	1690	0/1
	Tuff	41	38	[26]–1690	1690	0/41
Manganese	Soil	5	5	215–573	671	0/5
	Surge	1	1	184	482	0/1
	Tuff	41	40	56.3–340	482	0/40
Mercury	Soil	5	1	[0.024–0.06]	0.1	0/5
	Surge	1	0	[0.07]	0.1	0/1
	Tuff	41	4	[0.012]–0.11	0.1	1/39 (plus 3 DL > BV)
Nickel	Soil	5	5	5.2–9.6	15.4	0/5
	Surge	1	1	15.4	6.58	1/1
	Tuff	41	21	0.18–4.5	6.58	0/41
Potassium	Soil	5	4	328–1570	3460	0/5
	Surge	1	1	889	3500	0/1
	Tuff	41	37	69.1–931	3500	0/41
Selenium	Soil	5	1	[0.23–1.1]	1.52	0/5
	Surge	1	0	[0.84]	0.3	DL > BV (1/1)
	Tuff	41	0	[0.2–0.94]	0.3	DL > BV (24/41)
Silver	Soil	5	0	[0.096–0.42]	1	0/5
	Surge	1	0	[0.34]	1	0/1
	Tuff	41	0	[0.079–2.3]	1	DL > BV (7/41)
Sodium	Soil	5	4	[232]–419	915	0/5
	Surge	1	1	843	2770	0/1
	Tuff	41	39	41.4–671	2770	0/41
Thallium	Soil	5	2	[0.23–1.2]	0.73	1/5 (plus 2 DL > BV)
	Surge	1	0	[0.81]	1.1	0/1
	Tuff	41	4	0.079–1.4	1.1	1/41

[a] Value is the ratio of the number of detected values exceeding the BV to the number of analyses.

[b] Brackets indicate the value is below detection limits, although some analytes may be detected at values within this range.

[c] The detection limit for this analyte exceeded the background value.

Table 2.4-12
Inorganic Chemicals with Concentrations Exceeding Sediment BVs in Phase II BHs

Analyte	Location ID	Sample ID	Sample Concentration (mg/kg)	BV (mg/kg)	Media	Depth (ft)
Aluminum	16-2705	0316-96-0280	7720	7340	Qbt_5	4–5
	16-2707	0316-96-0292	8900		Qbt_5	7.5–8.5
Antimony	16-2701	0316-97-0256	4.2(U)[a]		Soil	3.5–4.5
	16-2702	0316-97-0262	7.6(UJ)[b]	0.83	Soil	3–4
	16-2700	0316-96-0252	0.62(U)	0.5	Surge	6.2–17.5
	16-2709	0316-97-0304	0.77(U)	0.5	Qbt_5	3.5–4.5
	16-2735	0316-97-0390	0.75(U)		Qbt_4	54–55
	16-2736	0316-97-0300	0.7(U)		Qbt_3	99–100
	16-2709	0316-97-0305	5.19(U)		Qbt_5	21.5–22.5
	16-2711	0316-97-0316	5.2(U)		Qbt_5	3.5–4.5
	16-2711	0316-97-0317	4.6(U)		Qbt_4	69–70
	16-2735	0316-97-0391	0.74(U)		Qbt_4	63–63.8
	16-2735	0316-97-0392	0.71(U)		Qbt_4	74.4–75.4
	16-2735	0316-97-0393	0.71(U)		Qbt_4	80.5–81.5
	16-2700	0316-96-0254	5.1(U)		Qbt_5	15.5–16.5
	16-2705	0316-96-0280	0.55(U)		Qbt_5	4–5
	16-2702	0316-97-0263	0.53(U)		Qbt_4	69–70
	16-2704	0316-97-0276	7.3(U)		Qbt_4	23–24
	16-2704	0316-97-0277	8.3(U)		Qbt_4	28–29
	16-2735	0316-97-0280	5.2(U)		Qbt_5	4–5
	16-2735	0316-97-0282	5.8(U)		Qbt_4	24.7–25.3
	16-2735	0316-97-0283	5.7(U)		Qbt_4	34–35
	16-2706	0316-97-0286	0.75(U)		Qbt_5	4–5
	16-2736	0316-97-0299	0.71(U)		Qbt3	104–105
	16-2710	0316-97-0311	6.2(U)		Qbt_4	38.5–39.5
	16-2710	0316-97-0312	6.2(U)		Qbt_4	35–36
	16-2712	0316-97-0323	8.1(U)		Qbt_4	89–90
	16-2712	0316-97-0324	8.3(U)		Qbt_4	83–83.8
	16-2706	0316-97-2020	0.76(U)		Qbt_5	4–5
	16-2707	0316-96-0296	10(UJ)		Qbt_4	39–40
	16-2712	0316-97-0322	11(UJ)		Qbt_5	4–5
	16-2705	0316-96-0281	11(UJ)		Qbt_5	12.5–13.5
	16-2701	0316-97-0257	0.6(UJ)		Qbt_4	74–75
	16-2704	0316-97-0275	0.62(UJ)		Qbt_4	69–70
	16-2710	0316-97-0310	0.77(UJ)		Qbt_5	4–5
	16-2707	0316-96-0292	11(UJ)		Qbt_5	7.5–8.5
	16-2707	0316-96-0293	10(UJ)		Qbt_5	24–25

Table 2.4-12 (continued)

Analyte	Location ID	Sample ID	Sample Concentration (mg/kg)	BV (mg/kg)	Media	Depth (ft)
Arsenic	16-2735	0316-97-0390	5.2	2.79	Qbt_4	54–55
	16-2735	0316-97-0391	8.2		Qbt_4	63–63.8
	16-2712	0316-97-0322	3.3		Qbt_5	4–5
Barium	16-2704	0316-97-0274	329	295	Soil	4–5
	16-2700	0316-96-0252	560	46	Surge	6.2–17.5
	16-2705	0316-96-0281	600(J)[c]	46	Qbt_5	12.5–13.5
	16-2705	0316-96-0280	234		Qbt_5	4–5
	16-2707	0316-96-0292	59		Qbt_5	7.5–8.5
	16-2709	0316-97-0304	171		Qbt_5	3.5–4.5
	16-2735	0316-97-0390	60.2		Qbt_4	54–55
	16-2700	0316-96-0254	335		Qbt_5	15.5–16.5
	16-2735	0316-97-0280	215		Qbt_5	4–5
	16-2706	0316-97-0289	52.7		Qbt_5	18–19
	16-2706	0316-97-2020	116		Qbt_5	4–5
Beryllium	16-2735	0316-97-0390	1.4	1.21	Qbt_4	54–55
Cadmium	16-2701	0316-97-0256	0.42(U)	0.4	Soil	3.5–4.5
Chromium, total	16-2705	0316-96-0281	9.5	7.14	Qbt_5	12.5–13.5
Copper	16-2700	0316-96-0252	5.1(J)	4.66	Surge	6.2–17.5
	16-2706	0316-97-0289	6.3(J)	4.66	Qbt_5	18–19
	16-2735	0316-97-0391	29.6		Qbt_4	63–63.8
Cyanide, total	16-2703	0316-97-0268	1.1(U)	0.5	Soil	3.5–4.5
	16-2708	0316-97-0298	0.5(U)		Soil	4–5
	16-2701	0316-97-0256	1.1(UJ)		Soil	3.5–4.5
	16-2703	0316-97-0269	1(U)	0.5	Qbt_4	69–70
	16-2703	0316-97-0270	0.98(U)		Qbt_4	53–54
	16-2706	0316-97-0288	0.51(U)		Qbt_4	74–75
	16-2700	0316-96-0254	0.62(U)		Qbt_5	15.5–16.5
	16-2705	0316-96-0281	0.57(U)		Qbt_5	12.5–13.5
	16-2702	0316-97-0263	1.1(U)		Qbt_4	69–70
	16-2702	0316-97-0264	1.1(U)		Qbt_4	29–30
	16-2735	0316-97-0280	1.1(U)		Qbt_5	4–5
	16-2735	0316-97-0282	1.2(U)		Qbt_4	24.7–25.3
	16-2735	0316-97-0283	1.3(U)		Qbt_4	34–35
	16-2706	0316-97-0287	0.53(U)		Qbt_4	79–80
	16-2709	0316-97-0305	1.17(U)		Qbt_5	21.5–22.5
	16-2710	0316-97-0311	1.4(U)		Qbt_4	38.5–39.5
	16-2710	0316-97-0312	1.4(U)		Qbt_4	35–36
	16-2712	0316-97-0322	0.54(U)		Qbt_5	4–5

Table 2.4-12 (continued)

Analyte	Location ID	Sample ID	Sample Concentration (mg/kg)	BV (mg/kg)	Media	Depth (ft)
Cyanide, total (continued)	16-2711	0316-97-0316	1.1(UJ)		Qbt_5	3.5–4.5
	16-2711	0316-97-0317	1.1(UJ)		Qbt_4	69–70
Lead	16-2706	0316-97-0287	18	11.2	Qbt_4	79–80
	16-2706	0316-97-0288	33		Qbt_4	74–75
Mercury	16-2707	0316-96-0292	0.11(U)	0.1	Qbt_5	7.5–8.5
	16-2712	0316-97-0322	0.11(U)		Qbt_5	4–5
	16-2705	0316-96-0281	0.11(UJ)		Qbt_5	12.5–13.5
	16-2707	0316-96-0294	0.11		Qbt_4	64–65
Nickel	16-2700	0316-96-0252	15.4	6.58	Surge	6.2–17.5
Selenium	16-2700	0316-96-0252	0.84(U)	0.3	Surge	6.2–17.5
	16-2736	0316-97-0300	0.56(U)	0.3	Qbt_3	99–100
	16-2709	0316-97-0304	0.61(U)		Qbt_5	3.5–4.5
	16-2710	0316-97-0310	0.61(U)		Qbt_5	4–5
	16-2735	0316-97-0390	0.59(U)		Qbt_4	54–55
	16-2735	0316-97-0391	0.58(U)		Qbt_4	63–63.8
	16-2735	0316-97-0392	0.57(U)		Qbt_4	74.4–75.4
	16-2735	0316-97-0393	0.56(U)		Qbt_4	80.5–81.5
	16-2700	0316-96-0250	0.43(U)		Qbt_5	7–8
	16-2700	0316-96-0254	0.31(U)		Qbt_5	15.5–16.5
	16-2705	0316-96-0280	0.75(U)		Qbt_5	4–5
	16-2707	0316-96-0294	0.4(U)		Qbt_4	64–65
	16-2707	0316-96-0295	0.41(U)		Qbt_4	68.5–69.5
	16-2701	0316-97-0257	0.9(U)		Qbt_4	74–75
	16-2702	0316-97-0263	0.32(U)		Qbt_4	69–70
	16-2704	0316-97-0275	0.94(U)		Qbt_4	69–70
	16-2704	0316-97-0276	0.45(U)		Qbt_4	23–24
	16-2704	0316-97-0277	0.51(U)		Qbt_4	28–29
	16-2706	0316-97-0286	0.6(U)		Qbt_5	4–5
	16-2706	0316-97-0287	0.43(U)		Qbt_4	79–80
	16-2706	0316-97-0288	0.41(U)		Qbt_4	74–75
	16-2706	0316-97-0289	0.72(U)		Qbt_5	18–19
	16-2736	0316-97-0299	0.56(U)		Qbt_3	104–105
	16-2712	0316-97-0322	0.54(U)		Qbt_5	4–5
	16-2706	0316-97-2020	0.6(U)		Qbt_5	4–5
Silver	16-2705	0316-96-0281	2.3(U)	1	Qbt_5	12.5–13.5
	16-2707	0316-96-0292	2.3(U)		Qbt_5	7.5–8.5
	16-2707	0316-96-0293	2(U)		Qbt_5	24–25
	16-2706	0316-97-0288	2(U)		Qbt_4	74–75
	16-2707	0316-96-0296	2(U)		Qbt_4	39–40

Table 2.4-12 (concluded)

Analyte	Location ID	Sample ID	Sample Concentration (mg/kg)	BV (mg/kg)	Media	Depth (ft)
Silver (continued)	16-2706	0316-97-0287	2.1(U)		Qbt_4	79–80
	16-2712	0316-97-0322	2.2(U)		Qbt_5	4–5
Thallium	16-2702	0316-97-0262	0.93(J)	0.73	Soil	3–4
	16-2704	0316-97-0274	1.2(U)		Soil	4–5
	16-2708	0316-97-0298	0.79(U)		Soil	4–5
	16-2706	0316-97-0286	1.4(J)	1.1	Qbt_5	4–5

[a] U = The analyte was analyzed for but not detected above the reported estimated quantitation limit or sample detection limit.

[b] UJ = The analyte was analyzed for but not detected; the associated value is an estimate.

[c] J = The reported value is an estimated quantity.

Data qualifier flags are defined in the glossary in Appendix A.

Table 2.4-13

Results of Inorganic Data Review for BH Soil and Tuff Samples Beneath and Outside the Drainage

Analyte	Media	Result	Rationale for Retaining or Eliminating as a COPC
Aluminum	Tuff	Eliminated	Statistically indistinguishable from background.
Antimony	Soil	Retained	Not detected in any sample, but Phase I DLs greatly exceed the BV.
	Tuff	Retained	Not detected in any sample, but Phase I DLs greatly exceed the BV.
Arsenic	Tuff	Retained	Three samples above the BV, and statistically greater than the background distribution. See Appendix D.
Barium	Soil	Eliminated	One sample slightly above the BV, but within the background range.
	Tuff	Retained	Several samples above the BV, up to ten times the BV.
Beryllium	Tuff	Eliminated	One sample slightly above the BV but within the background range.
Cadmium	Soil	Eliminated	Detected values within background range; one DL marginally above the BV.
Chromium, total	Tuff	Eliminated	One sample slightly above the BV but within the background range.
Copper	Tuff	Retained	Three samples above the BV; one at four times the background maximum.
Cyanide, total	Soil	Retained	Not detected in any sample, but most DLs in these data exceed the DL reported in the background data set.
	Tuff	Retained	Not detected in any sample, but most DLs in these data exceed the DL reported in the background data set.
Lead	Tuff	Retained	Two samples above background, at depth, in one BH.
Mercury	Tuff	Retained	One sample above the background DL at depth.
Nickel	Tuff	Retained	Above Qbt background only in the surge bed sample.
Selenium	Tuff	Retained	Not detected in any sample, but most DLs in these data exceed the DL reported in the background data set.
Silver	Tuff	Retained	Not detected in any sample, but several DLs in these data exceed the DL reported in the background data set.
Thallium	Soil	Eliminated	Detected values are below the BV. Higher DLs are comparable to higher DLs found in the background data set.
	Tuff	Eliminated	Above the BV in one sample, but within the background range.

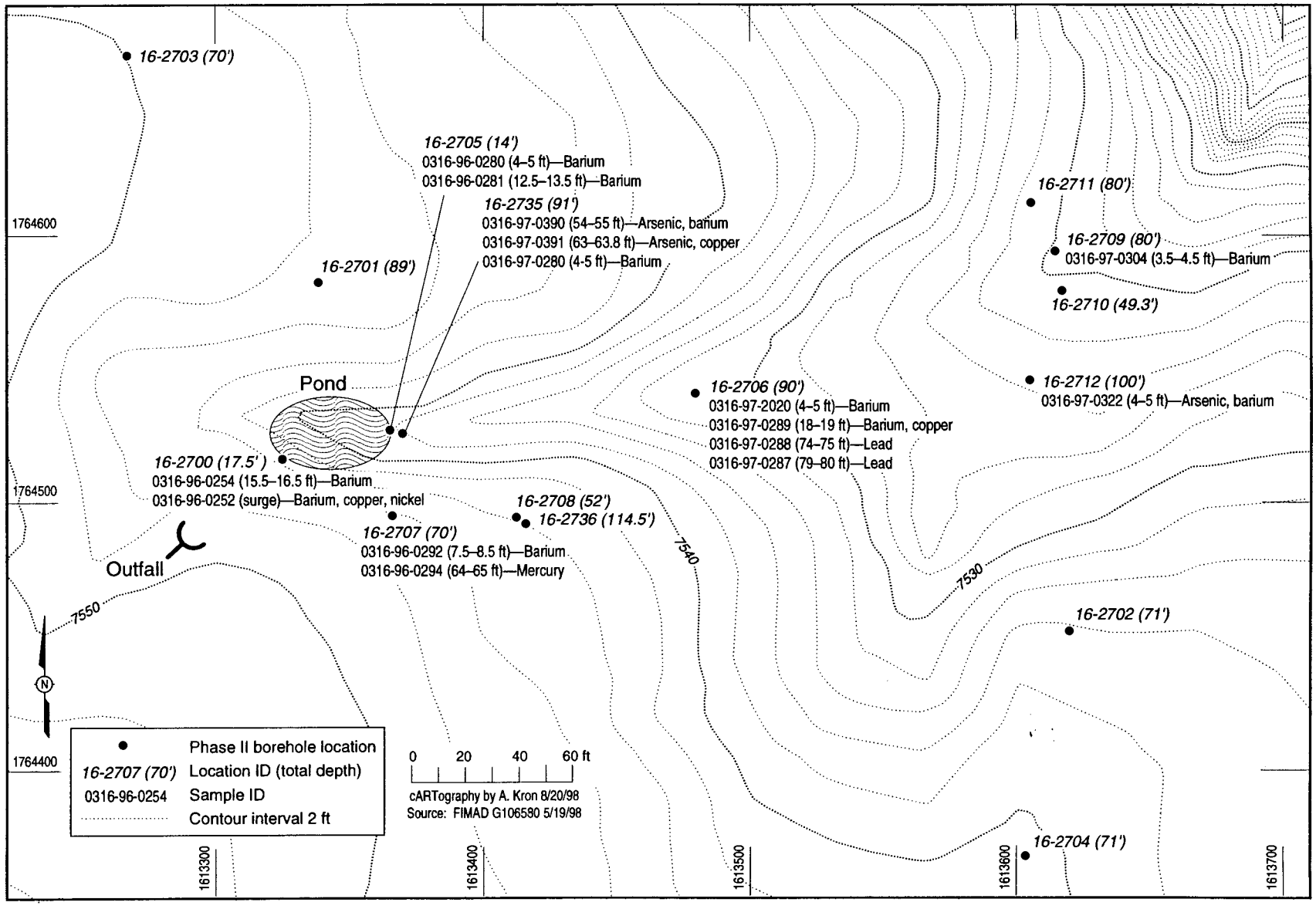


Figure 2.4-3. Inorganic chemicals with concentrations exceeding BVs in Phase II BHs (analytes for which DLs exceed BVs not shown)

2.4.3.2.2 Evaluation of HE

Complete analytical data for HE analyses of source area samples are provided in Table I-2.0-6 of Appendix I. Validation results for these data are summarized in Appendix C, Tables C-5.0-1 and C-5.0-2. Overall, the data quality for the 47 samples from the BHs that are discussed in this subsection is satisfactory.

HE results (nondetects) for the two samples from the bottom of BH 16-2712 were rejected. One of these two samples (0316-97-0324) had been biased by a positive DTech RDX result, which cannot be confirmed. Other rejected HE results are scattered and do not materially affect the quality of the data set as a whole.

Higher-than-usual DLs were reported for two collocated samples from a depth of 4–5 ft in BH 16-2706. HMX was reported in these samples at 29 and 47 mg/kg; RDX was undetected at 5 and 10 mg/kg (compared to a positive field-screening result of about 2 mg/kg); and other HE were undetected at 1.3–2.5 mg/kg. Otherwise DLs were satisfactory.

Screening data are available not only for most of the 47 samples submitted to the laboratory but also for an additional 141 samples from the BHs. These data are presented in Table 2.3-2, above, and are further discussed below in Section 2.4.4.

Table 2.4-14 summarizes the frequency of detected HE chemicals. All results above the DLs are shown in Table 2.4-15. Figure 2.4-4 identifies the locations of these detected results. No HE was detected in the five soil samples collected near the tops of BHs outside the drainage.

Table 2.4-16 summarizes the evidence for a release of the HE chemicals that appear in Table 2.4-15. All are carried forward as COPCs to Sections 5 and 6.

Table 2.4-14
Frequency of Detected HE Chemicals in Phase II BH Samples

Analyte	Media	Number of Analyses	EQL (mg/kg)	Concentration Range (mg/kg)	Frequency of Detects[a]
Amino-2,6-dinitrotoluene[4-]	Tuff	41	ND	[0.084][b]–3	2/39
Amino-4,6-dinitrotoluene[2-]	Tuff	35	0.26	[0.082–2.5]	4/35
Dinitrotoluene[2,4-]	Tuff	41	0.25	[0.054–2.5]	2/39
HMX	Surge	1	2.2	1700	1/1
	Tuff	41	2.2	[0.16]–315	14/39
Nitrotoluene[3-]	Tuff	36	0.25	[0.158–2.5]	1/36
RDX	Surge	1	1	4500	1/1
	Tuff	41	1	[0.16–10]	16/39
Trinitrobenzene[1,3,5-]	Surge	1	0.25	0.7	1/1
	Tuff	41	0.25	[0.08]–6.49	11/39
Trinitrotoluene[2,4,6-]	Surge	1	0.25	3500	1/1
	Tuff	41	0.25	[0.084]–424	7/39

[a] Value is the ratio of the number of detected values to the number of analyses.
[b] Brackets indicate the value is below detection limits, although some analytes may be detected at values within this range.

Table 2.4-15
Detected HE Chemicals in Phase II BHs

Analyte	Location ID	Sample ID	Sample Concentration (mg/kg)	Media	Depth (ft)
Amino-2,6-dinitrotoluene[4-]	16-2735	0316-97-0280	0.381	Qbt_5	4–5
	16-2705	0316-96-0280	3	Qbt_5	4–5
Amino-4,6-dinitrotoluene[2-]	16-2711	0316-97-0316	0.117	Qbt_5	3.5–4.5
	16-2735	0316-97-0280	0.515	Qbt_5	4–5
	16-2700	0316-96-0254	1.04(J+)[a]	Qbt_5	15.5–16.5
	16-2705	0316-96-0281	1.45	Qbt_5	12.5–13.5
Dinitrotoluene[2,4-]	16-2700	0316-96-0254	0.149(J+)	Qbt_5	15.5–16.5
	16-2705	0316-96-0281	0.225	Qbt_5	12.5–13.5
HMX	16-2710	0316-97-0311	0.224	Qbt_4	38.5–39.5
	16-2711	0316-97-0316	0.359	Qbt_5	3.5–4.5
	16-2700	0316-96-0250	1.15	Qbt_5	7–8
	16-2710	0316-97-0312	1.46	Qbt_4	35–36
	16-2709	0316-97-0305	1.69	Qbt_5	21.5–22.5
	16-2709	0316-97-0304	2.5	Qbt_5	3.5–4.5
	16-2705	0316-96-0280	3.1	Qbt_5	4–5
	16-2710	0316-97-0310	9.2	Qbt_5	4–5
	16-2706	0316-97-0289	14	Qbt_5	18–19
	16-2706	0316-97-2020	29	Qbt_5	4–5
	16-2735	0316-97-0280	32.8	Qbt_5	4–5
	16-2706	0316-97-0286	47	Qbt_5	4–5
	16-2705	0316-96-0281	278	Qbt_5	12.5–13.5
	16-2700	0316-96-0254	315(J+)	Qbt_5	15.5–16.5
	16-2700	0316-96-0252	1700	Surge	6.2–17.5
Nitrotoluene[3-]	16-2735	0316-97-0280	0.228	Qbt_5	4–5
RDX	16-2710	0316-97-0311	0.489	Qbt_4	38.5–39.5
	16-2735	0316-97-0283	0.508	Qbt_4	34–35
	16-2709	0316-97-0305	0.855	Qbt_5	21.5–22.5
	16-2735	0316-97-0282	0.897	Qbt_4	24.7–25.3
	16-2711	0316-97-0316	1.26	Qbt_5	3.5–4.5
	16-2709	0316-97-0304	1.3	Qbt_5	3.5–4.5
	16-2712	0316-97-0322	2	Qbt_5	4–5
	16-2707	0316-96-0294	2.4	Qbt_4	64–65
	16-2707	0316-96-0295	2.78	Qbt_4	68.5–69.5
	16-2710	0316-97-0312	3.51	Qbt_4	35–36
	16-2735	0316-97-0390	3.6	Qbt_4	54–55
	16-2700	0316-96-0250	4.83	Qbt_5	7–8
	16-2705	0316-96-0280	15	Qbt_5	4–5

Table 2.4-15 (concluded)

Analyte	Location ID	Sample ID	Sample Concentration (mg/kg)	Media	Depth (ft)
RDX (continued)	16-2735	0316-97-0280	16.8	Qbt_5	4–5
	16-2705	0316-96-0281	477	Qbt_5	12.5–13.5
	16-2700	0316-96-0254	908(J+)	Qbt_5	15.5–16.5
	16-2700	0316-96-0252	4500	Surge	6.2–17.5
Trinitrobenzene[1,3,5-]	16-2705	0316-96-0281	0.195	Qbt_5	12.5–13.5
	16-2709	0316-97-0305	0.197	Qbt_5	21.5–22.5
	16-2700	0316-96-0254	0.269(J+)	Qbt_5	15.5–16.5
	16-2735	0316-97-0283	0.498	Qbt_4	34–35
	16-2735	0316-97-0280	0.631	Qbt_5	4–5
	16-2710	0316-97-0311	0.815	Qbt_4	38.5–39.5
	16-2735	0316-97-0282	0.886	Qbt_4	24.7–25.3
	16-2705	0316-96-0280	1.6	Qbt_5	4–5
	16-2710	0316-97-0312	2.31	Qbt_4	35–36
	16-2707	0316-96-0295	3.04	Qbt_4	68.5–69.5
	16-2707	0316-96-0294	6.49	Qbt_4	64–65
	16-2700	0316-96-0252	0.7	Surge	6.2–17.5
Trinitrotoluene[2,4,6-]	16-2709	0316-97-0304	0.35	Qbt_5	3.5–4.5
	16-2709	0316-97-0305	0.364	Qbt_5	21.5–22.5
	16-2700	0316-96-0250	1.24	Qbt_5	7–8
	16-2735	0316-97-0280	4.14	Qbt_5	4–5
	16-2705	0316-96-0280	7.9	Qbt_5	4–5
	16-2705	0316-96-0281	143	Qbt_5	12.5–13.5
	16-2700	0316-96-0254	424(J+)	Qbt_5	15.5–16.5
	16-2700	0316-96-0252	3500	Surge	6.2–17.5

[a] J+ = The analyte was positively identified, and the result is likely biased high.
Data qualifier flags are defined in the glossary in Appendix A.

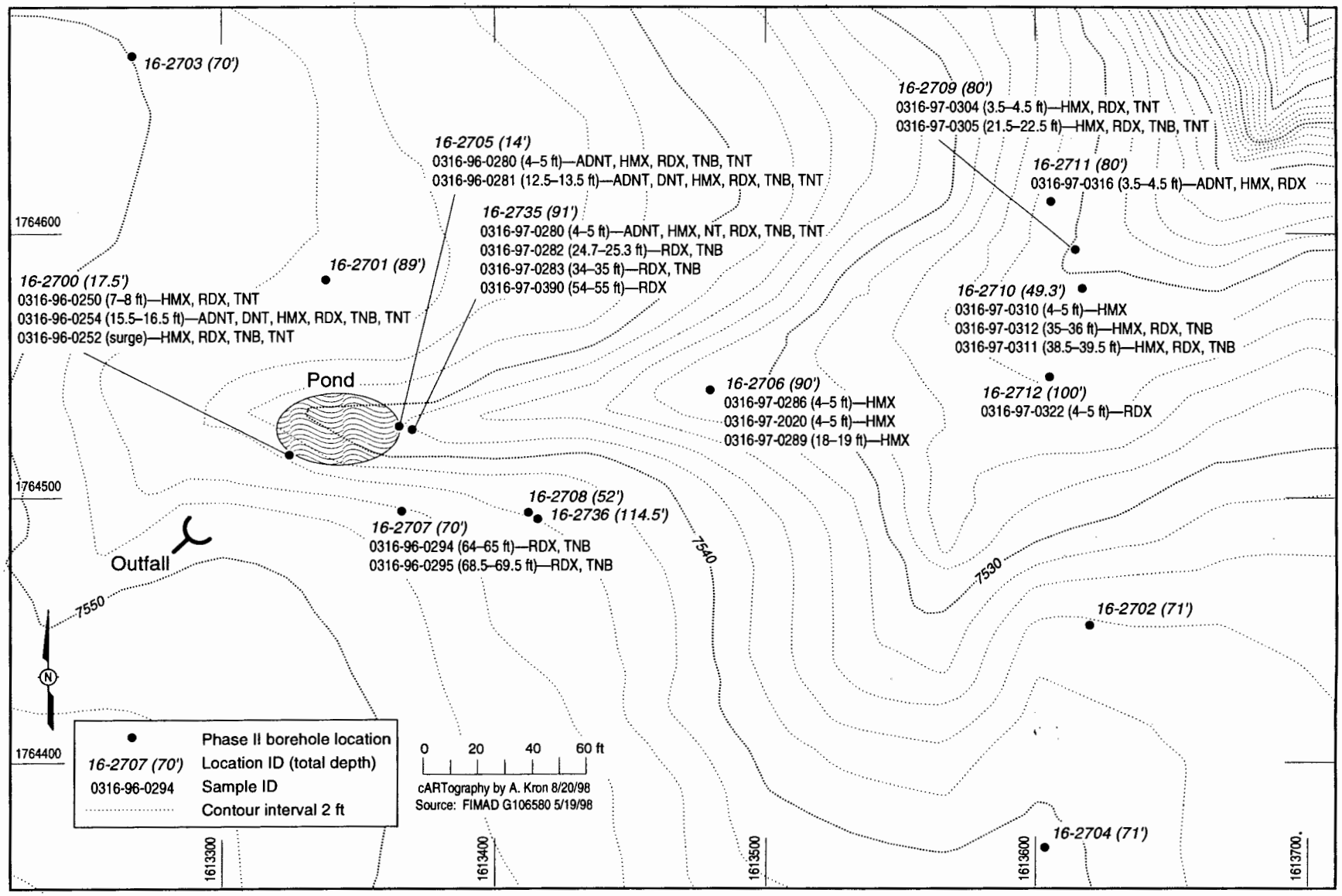


Figure 2.4-4. Detected HE chemicals in Phase II BH samples

Table 2.4-16
Results of HE Data Review for Surface and Near-Surface Samples from the Drainage

Analyte	Media	Result	Rationale for Retaining as a COPC
Amino-2,6-dinitrotoluene[4-]	Tuff	Retained	Detected only in two soil/tuff interface samples in the drainage, up to 3 mg/kg.
Amino-4,6-dinitrotoluene[2-]	Tuff	Retained	Detected in five samples to a depth of 16 ft, up to 1.45 mg/kg.
Dinitrotoluene[2,4-]	Tuff	Retained	Detected in two samples to a depth of 16 ft, up to 0.225 mg/kg.
HMX	Tuff	Retained	Detected in 12 Qbt_5 samples at up to 315 mg/kg; at 1700 mg/kg in the surge sample; and in two Qbt_4 samples, to a depth of 39 ft, at up to 1.46 mg/kg.
Nitrotoluene[3-]	Tuff	Retained	Detected only in one soil/tuff interface sample in the drainage at 0.228 mg/kg.
RDX	Tuff	Retained	Detected in 9 Qbt_5 samples at up to 908 mg/kg; at 4500 mg/kg in the surge sample; and in seven Qbt_4 samples, to a depth of 69 ft, at up to 3.6 mg/kg.
Trinitrobenzene[1,3,5-]	Tuff	Retained	Detected in 12 tuff samples at depths up to 69 ft, and in concentrations up to 6.5 mg/kg.
Trinitrotoluene[2,4,6-]	Tuff	Retained	Detected in seven Qbt_5 samples at up to 424 mg/kg, and at 3500 mg/kg in the surge sample.

2.4.3.2.3 Evaluation of Organic Chemicals

Complete analytical data for other organic chemical analyses of source area samples are provided in Tables I-2.0-7 and I-2-8 of Appendix I. Validation results for these data are summarized in Appendix C, Tables C-5.0-1 and C-5.0-2. Overall, the quality of the other organic chemical data for the 48 samples from the BHs that are discussed in this section is satisfactory.

Table 2.4-17 summarizes the frequency of detected organic chemicals, excluding HE. All results above the DLs are shown in Tables 2.4-18 (VOCs) and 2.4-19 (SVOCs). Figure 2.4-5 identifies the locations of detected results for the principal organic contaminants.

Table 2.4-20 summarizes the evidence for a release of those organic chemicals that appear in Tables 2.4-18 and 2.4-19. All are carried forward as COPCs to Sections 5 and 6 for assessment, although several are detected in only one sample.

2.4.4 Data Summary and Interpretation

This section provides additional graphical and summary information to place the results presented in Section 2.4.3 into context for the development of the site conceptual model in Section 5 and the recommendations in Section 7.

Note: This page originally appeared as page 2-68 in the "RFI Report for TA-16, PRS 16-021(c)" dated September 29, 1998. This replacement page modifies Table 2.4-16 to include surge as a media for HMX, RDX, and TNT.

Table 2.4-16

Results of HE Data Review in Phase II BHs

Analyte	*Media*	*Result*	*Rationale for Retaining as a COPC*
Amino-2,6-dinitrotoluene[4-]	Tuff	Retained	Detected only in two soil/tuff interface samples in the drainage, up to 3 mg/kg.
Amino-4,6-dinitrotoluene[2-]	Tuff	Retained	Detected in five samples to a depth of 16 ft, up to 1.45 mg/kg.
Dinitrotoluene[2,4-]	Tuff	Retained	Detected in two samples to a depth of 16 ft, up to 0.225 mg/kg.
HMX	Tuff Surge	Retained	Detected in 12 upper Qbt4 samples at up to 315 mg/kg; at 1700 mg/kg in the surge sample; and in two lower Qbt4 samples, to a depth of 39 ft, at up to 1.46 mg/kg.
Nitrotoluene[3-]	Tuff	Retained	Detected only in one soil/tuff interface sample in the drainage at 0.228 mg/kg.
RDX	Tuff Surge	Retained	Detected in 9 upper Qbt4 samples at up to 908 mg/kg; at 4500 mg/kg in the surge sample; and in seven lower Qbt4 samples, to a depth of 69 ft, at up to 3.6 mg/kg.
Trinitrobenzene[1,3,5-]	Tuff	Retained	Detected in 12 tuff samples at depths up to 69 ft, and in concentrations up to 6.5 mg/kg.
Trinitrotoluene[2,4,6-]	Tuff Surge	Retained	Detected in seven upper Qbt4 samples at up to 424 mg/kg, and at 3500 mg/kg in the surge sample.

2.4.3.2.3 Evaluation of Organic Chemicals

Complete analytical data for other organic chemical analyses of source area samples are provided in Tables I-2.0-7 and I-2-8 of Appendix I. Validation results for these data are summarized in Appendix C, Tables C-5.0-1 and C-5.0-2. Overall, the quality of the other organic chemical data for the 48 samples from the BHs that are discussed in this section is satisfactory.

Table 2.4-17 summarizes the frequency of detected organic chemicals, excluding HE. All results above the DLs are shown in Tables 2.4-18 (VOCs) and 2.4-19 (SVOCs). Figure 2.4-5 identifies the locations of detected results for the principal organic contaminants.

Table 2.4-20 summarizes the evidence for a release of those organic chemicals that appear in Tables 2.4-18 and 2.4-19. All are carried forward as COPCs to Sections 5 and 6 for assessment, although several are detected in only one sample.

2.4.4 Data Summary and Interpretation

This section provides additional graphical and summary information to place the results presented in Section 2.4.3 into context for the development of the site conceptual model in Section 5 and the recommendations in Section 7.

Table 2.4-17

Frequency of Detected Organic Chemicals, Excluding HE, in Phase II BH Samples

Analyte	Media	Number of Analyses	Contract-Required EQL (mg/kg)	Range of Concentrations (mg/kg)	Frequency of Detects[a]
Volatiles					
Acetone	Surge	1	0.02	0.1	1/1
	Tuff	42	0.02	0.003–0.43	14/42
Butanone[2-]	Tuff	42	0.02	0.0048–[0.028][b]	4/42
Chlorobenzene	Tuff	42	0.005	0.001–[0.007]	1/42
	Surge	1	0.01	0.02	1/1
Dibromo-3-chloropropane[1,2-]	Soil	5	0.01	0.0049–[0.014]	1/5
Dichlorobenzene[1,4-]	Tuff	42	0.005	0.002–[0.007]	1/42
Dichloroethane[1,2-]	Surge	1	0.01	0.004	1/1
Styrene	Tuff	42	0.005	[0.005]–0.008	1/42
Tetrachloroethene	Tuff	42	0.005	0.002–[0.007]	1/42
Toluene	Surge	1	0.005	0.003	1/1
	Tuff	42	0.005	0.001–[0.007]	1/42
Trichlorofluoromethane	Tuff	42	0.005	[0.005–0.012]	1/42
Trimethylbenzene[1,3,5-]	Surge	1	0.005	0.003	1/1
Semivolatiles					
Anthracene	Surge	1	0.33	4.3	1/1
	Tuff	41	0.33	[0.17]–2.8	2/41
Benzo(a)pyrene	Surge	1	0.33	0.075	1/1
Benzo(b)fluoranthene	Surge	1	0.33	0.064	1/1
Benzo(g,h,i)perylene	Surge	1	0.33	0.061	1/1
Benzo(k)fluoranthene	Surge	1	0.33	0.072	1/1
	Tuff	32	0.33	[0.17–0.45]	1/32
Bis(2-ethylhexyl)phthalate	Soil	5	0.33	0.073–0.57	3/5
	Surge	1	0.33	1.2	1/1
	Tuff	42	0.33	0.055–0.97	9/42
Butylbenzylphthalate	Tuff	41	0.33	0.04–[0.45]	4/41
Di-n-butylphthalate	Tuff	41	0.33	0.034–[0.45]	4/41
Dibenz(a,h)anthracene	Surge	1	0.33	0.079	1/1
Diethylphthalate	Soil	5	0.33	[0.35]–1.5	1/5
	Tuff	41	0.33	0.072–[0.45]	12/41
Dinitrotoluene[2,4-]	Surge	1	0.33	0.29	1/1
	Tuff	41	0.33	0.058–[0.45]	3/41
Dinitrotoluene[2,6-]	Surge	1	0.33	0.071	1/1
Indeno(1,2,3-cd)pyrene	Surge	1	0.33	0.08	1/1
Phenanthrene	Surge	1	0.33	0.057	1/1

[a] Value is the ratio of the number of detected values to the number of analyses.

[b] Brackets indicate the value is below detection limits, although some analytes may be detected at values within this range.

Table 2.4-18
Detected VOCs in Phase II BH Samples

Analyte	Location ID	Sample ID	Sample Concentration (mg/kg)	Media	Depth (ft)
Acetone	16-2700	0316-96-0252	0.1	Surge	6.2–17.5
	16-2735	0316-97-0283	0.003	Qbt_4	34–35
	16-2710	0316-97-0311	0.006	Qbt_4	38.5–39.5
	16-2710	0316-97-0312	0.01	Qbt_4	35–36
	16-2711	0316-97-0316	0.014	Qbt_5	3.5–4.5
	16-2707	0316-96-0293	0.022	Qbt_5	24–25
	16-2705	0316-96-0282	0.03(J-)[a]	Qbt_5	8.5–9.5
	16-2704	0316-97-0276	0.038	Qbt_4	23–24
	16-2709	0316-97-0305	0.055	Qbt_5	21.5–22.5
	16-2707	0316-96-0292	0.073	Qbt_5	7.5–8.5
	16-2702	0316-97-0263	0.11	Qbt_4	69–70
	16-2704	0316-97-0277	0.15	Qbt_4	28–29
	16-2707	0316-96-0296	0.16	Qbt_4	39–40
	16-2702	0316-97-0264	0.28	Qbt_4	29–30
	16-2735	0316-97-0390	0.43	Qbt_4	54–55
Butanone[2-]	16-2709	0316-97-0304	0.0048	Qbt_5	3.5–4.5
	16-2704	0316-97-0277	0.006	Qbt_4	28–29
	16-2704	0316-97-0276	0.007	Qbt_4	23–24
	16-2709	0316-97-0305	0.011	Qbt_5	21.5–22.5
Chlorobenzene	16-2704	0316-97-0276	0.001	Qbt_4	23–24
Chloromethane	16-2700	0316-96-0252	0.02(J)[b]	Surge	6.2–17.5
Dibromo-3-chloropropane[1,2-]	16-2708	0316-97-0298	0.0049	Soil	4–5
Dichlorobenzene[1,4-]	16-2704	0316-97-0276	0.002	Qbt_4	23–24
Dichloroethane[1,2-]	16-2700	0316-96-0252	0.004(J)	Surge	6.2–17.5
Styrene	16-2711	0316-97-0317	0.008	Qbt_4	69–70
Tetrachloroethene	16-2704	0316-97-0277	0.002	Qbt_4	28–29
Toluene	16-2700	0316-96-0252	0.003(J)	Surge	6.2–17.5
	16-2706	0316-97-0289	0.001	Qbt_5	18–19
Trichlorofluoromethane	16-2700	0316-96-0254	0.01	Qbt_5	15.5–16.5
Trimethylbenzene[1,3,5-]	16-2700	0316-96-0252	0.003(J)	Surge	6.2–17.5

[a] J- = The analyte was positively identified, and the result is likely biased low.
[b] J = The reported value is an estimated quantity.
Data qualifier flags are defined in the Glossary in Appendix A2.

Table 2.4-19
Detected SVOCs in Phase II BH Samples

Analyte	Location ID	Sample ID	Sample Concentration (mg/kg)	Media	Depth (ft)
Anthracene	16-2700	0316-96-0252	4.3	Surge	6.2–17.5
	16-2700	0316-96-0254	1.6	Qbt_5	15.5–16.5
	16-2705	0316-96-0281	2.8	Qbt_5	12.5–13.5
Benzo(a)pyrene	16-2700	0316-96-0252	0.075(J)[a]	Surge	6.2–17.5
Benzo(b)fluoranthene	16-2700	0316-96-0252	0.064(J)	Surge	6.2–17.5
Benzo(g,h,i)perylene	16-2700	0316-96-0252	0.061(J)	Surge	6.2–17.5
Benzo(k)fluoranthene	16-2700	0316-96-0252	0.072(J)	Surge	6.2–17.5
	16-2735	0316-97-0280	0.37	Qbt_5	4–5
Bis(2-ethylhexyl)phthalate	16-2704	0316-97-0274	0.073(J)	Soil	4–5
	16-2702	0316-97-0262	0.44	Soil	3–4
	16-2703	0316-97-0268	0.57	Soil	3.5–4.5
	16-2700	0316-96-0252	1.2	Surge	6.2–17.5
	16-2735	0316-97-0391	0.055(J)	Qbt_4	63–63.8
	16-2736	0316-97-0299	0.098(J)	Qbt_3	104–105
	16-2703	0316-97-0269	0.14	Qbt_4	69–70
	16-2710	0316-97-0311	0.26(J)	Qbt_4	38.5–39.5
	16-2735	0316-97-0280	0.27(J)	Qbt_5	4–5
	16-2704	0316-97-0276	0.42	Qbt_4	23–24
	16-2710	0316-97-0312	0.47	Qbt_4	35–36
	16-2704	0316-97-0277	0.48	Qbt_4	28–29
	16-2705	0316-96-0281	0.97	Qbt_5	12.5–13.5
Butylbenzylphthalate	16-2707	0316-96-0294	0.04(J)	Qbt_4	64–65
	16-2707	0316-96-0295	0.049(J)	Qbt_4	68.5–69.5
	16-2700	0316-96-0250	0.052(J)	Qbt_5	7–8
	16-2735	0316-97-0391	0.088(J)	Qbt_4	63–63.8
Di-n-butylphthalate	16-2712	0316-97-0324	0.034(J)	Qbt_4	83–83.8
	16-2707	0316-96-0295	0.038(J)	Qbt_4	68.5–69.5
	16-2735	0316-97-0392	0.043(J)	Qbt_4	74.4–75.4
	16-2735	0316-97-0391	0.17(J)	Qbt_4	63–63.8
Dibenz(a,h)anthracene	16-2700	0316-96-0252	0.079(J)	Surge	6.2–17.5

Table 2.4-19 (concluded)

Analyte	Location ID	Sample ID	Sample Concentration (mg/kg)[a]	Media	Depth (ft)
Diethylphthalate	16-2704	0316-97-0274	1.5	Soil	4–5
	16-2735	0316-97-0283	0.072(J)	Qbt_4	34–35
	16-2735	0316-97-0282	0.075(J)	Qbt_4	24.7–25.3
	16-2736	0316-97-0299	0.12(J)	Qbt_3	104–105
	16-2735	0316-97-0390	0.13(J)	Qbt_4	54–55
	16-2735	0316-97-0392	0.14(J)	Qbt_4	74.4–75.4
	16-2709	0316-97-0304	0.15(J)	Qbt_5	3.5–4.5
	16-2706	0316-97-0286	0.37(J)	Qbt_5	4–5
	16-2706	0316-97-2020	0.37(J)	Qbt_5	4–5
	16-2735	0316-97-0280	0.38	Qbt_5	4–5
	16-2702	0316-97-0263	0.43	Qbt_4	69–70
	16-2709	0316-97-0305	1.4	Qbt_5	21.5–22.5
	16-2736	0316-97-0300	1.7	Qbt_3	99–100
Dinitrotoluene[2,4-]	16-2700	0316-96-0252	0.29(J)	Surge	6.2–17.5
	16-2735	0316-97-0283	0.058(J)	Qbt_4	34–35
	16-2735	0316-97-0282	0.067(J)	Qbt_4	24.7–25.3
	16-2700	0316-96-0254	0.12(J)	Qbt_5	15.5–16.5
Dinitrotoluene[2,6-]	16-2700	0316-96-0252	0.071(J)	Surge	6.2–17.5
Indeno(1,2,3-cd)pyrene	16-2700	0316-96-0252	0.08(J)	Surge	6.2–17.5
Phenanthrene	16-2700	0316-96-0252	0.057(J)	Surge	6.2–17.5

[a] J = The reported value is an estimated quantity.
Data qualifier flags are defined in the Glossary in Appendix A.

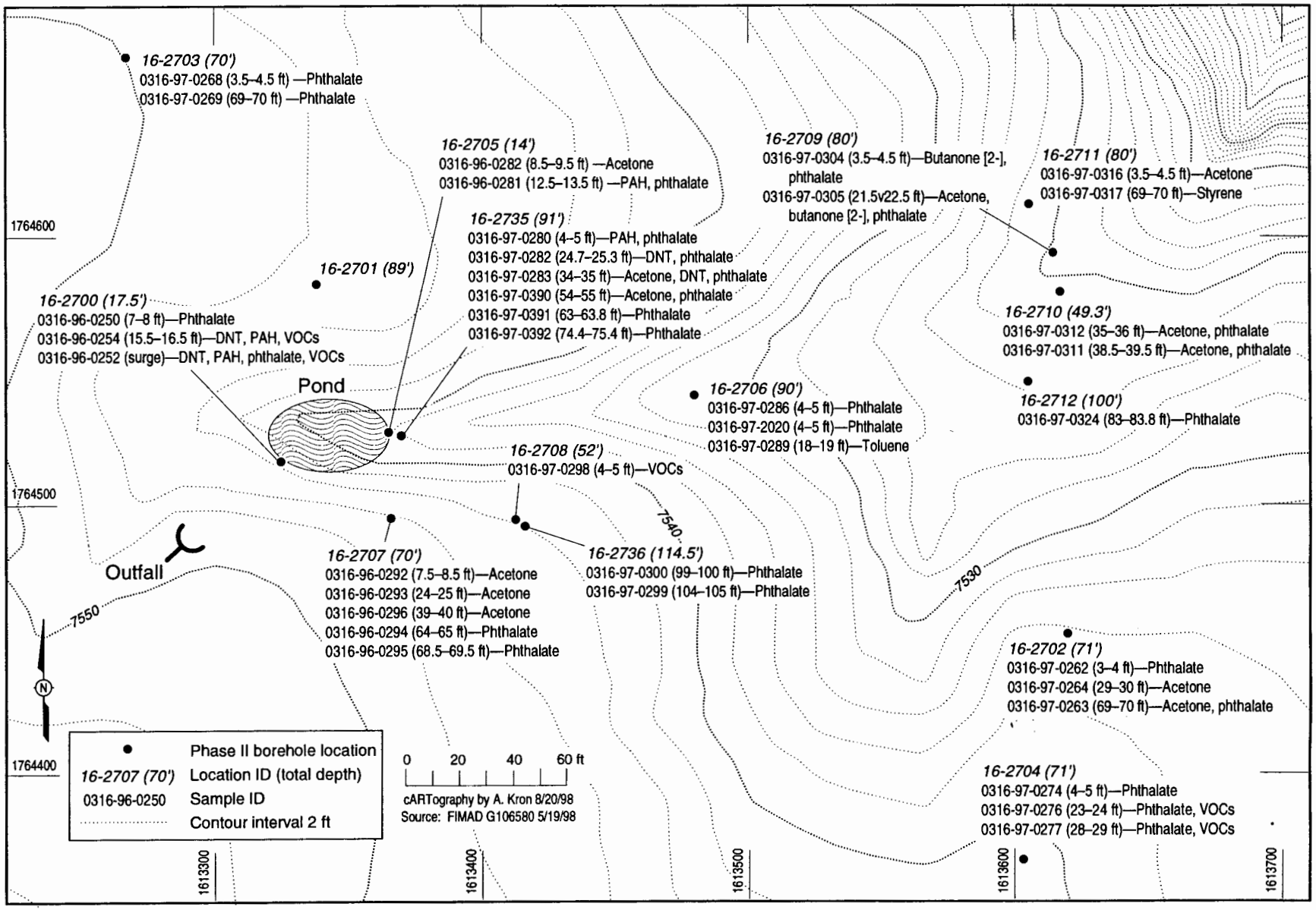


Figure 2.4-5. Detected VOCs and SVOCs in Phase II BH samples

Table 2.4-20
Results of Organic Chemical Data Review in Phase II BH Samples

Analyte	Media	Result	Rationale for Retaining as a COPC
Volatiles			
Acetone	Soil	Retained	Detected in one of the five soil samples at 0.041 mg/kg, but also detected in several tuff samples.
	Tuff	Retained	Detected in 15 tuff samples, including the surge sample, at depths up to 70 feet, and at concentrations up to 0.43 mg/kg.
Butanone[2-]	Tuff	Retained	Detected in four tuff samples at depths up to 29 feet, and at concentrations up to 0.011 mg/kg.
Chlorobenzene	Tuff	Retained	Detected in one tuff sample at 0.001 mg/kg.
Chloromethane	Tuff	Retained	Detected in the surge sample at 0.02 mg/kg.
Dibromo-3-chloropropane[1,2-]	Soil	Retained	Detected in one soil sample at 0.005 mg/kg.
Dichlorobenzene[1,4-]	Tuff	Retained	Detected in one tuff sample at 0.002 mg/kg.
Dichloroethane[1,2-]	Tuff	Retained	Detected in the surge sample at 0.004 mg/kg.
Styrene	Tuff	Retained	Detected in one tuff sample at 0.008 mg/kg.
Tetrachloroethene	Tuff	Retained	Detected in one tuff sample at 0.002 mg/kg.
Toluene	Tuff	Retained	Detected in two tuff samples, including the surge sample, at up to 0.003 mg/kg.
Trichlorofluoromethane	Tuff	Retained	Detected in one tuff sample at 0.01 mg/kg.
Trimethylbenzene[1,3,5-]	Tuff	Retained	Detected in the surge sample at 0.003 mg/kg
Semivolatiles			
Anthracene	Tuff	Retained	Detected in three Qbt_5 samples, including the surge sample, at up to 4.3 mg/kg.
Benzo(a)pyrene	Surge	Retained	One of a suite of payaromatic hydrocarbons (PAHs) detected in the surge sample.
Benzo(b)fluoranthene	Surge	Retained	One of a suite of PAHs detected in the surge sample.
Benzo(g,h,i)perylene	Surge	Retained	One of a suite of PAHs detected in the surge sample.
Benzo(k)fluoranthene	Tuff	Retained	One of a suite of PAHs detected in the surge sample, and also in one soil/tuff interface sample in the drainage.
Bis(2-ethylhexyl)phthalate	Soil	Retained	Detected in three soil samples at up to 0.57 mg/kg.
	Tuff	Retained	Detected in ten tuff samples. Highest value was 1.2 mg/kg in the surge sample. Deepest sample was in Qbt_3 at 105 ft (0.098 mg/kg).
Butylbenzylphthalate	Tuff	Retained	Detected in four tuff samples at depths up to 69 feet and concentrations up to 0.09 mg/kg.
Di-n-butylphthalate	Tuff	Retained	Detected in four tuff samples at depths up to 69 feet and concentrations up to 0.17 mg/kg.
Dibenz(a,h)anthracene	Surge	Retained	One of a suite of PAHs detected in the surge sample.
Diethylphthalate	Soil	Retained	Detected in one of the five soil samples at 1.5 mg/kg.
	Tuff	Retained	Detected in 12 tuff samples at depths up to 105 ft and at concentrations up to 1.7 mg/kg.
Dinitrotoluene[2,4-]	Tuff	Retained	An HE, detected in four tuff samples, including the surge sample, at depths up to 35 ft and at concentrations less than 0.07 mg/kg.
Dinitrotoluene[2,6-]	Surge	Retained	An HE, detected in the surge sample at 0.071 mg/kg.
Indeno(1,2,3-cd)pyrene	Surge	Retained	One of a suite of PAHs detected in the surge sample.
Phenanthrene	Surge	Retained	One of a suite of PAHs detected in the surge sample.

Spatial trends in the concentrations of the major COPCs, with respect to distance from the outfall and distance from the center line of the drainage, are shown in Figures 2.4-6, 2.4-7, and 2.4-8. (Note the logarithmic scale on the y-axes in Figure 2.4-6.) Above-background levels of a number of HE, barium, and inorganic chemicals; and above-detection levels of a few other organic chemicals, are found consistently in samples collected down the center of the drainage and above the soil/tuff interface, particularly within 300 ft of the outfall. Lateral bounding samples within 12 ft of the center line are sometimes contaminated, especially with HE and barium, but at much lower levels. Almost no surface contamination is found outside the drainage proper.

Most contaminants show a marked decrease between the pond area and the lower end of the drainage (Figures 2.4-6, 2.4-7, and 2.4-8). Barium, however, is found in the range of 1–3% down into Cañon de Valle. The average levels of HMX, although not as high as in the pond area, are close to 1%, even at the lower end of the drainage, which is more than 400 ft from the outfall. The area affected by the outfall also widens out lower in the drainage, and percent levels of barium, as well as HMX at concentrations exceeding 1000 mg/kg, were reported in some of the Phase I lateral bounding samples between 200 and 600 ft from the outfall.

The consistent pattern seen on Figures 2.4-6, 2.4-7, and 2.4-8 is not found in the distribution of other inorganics that were eliminated as COPCs in Section 2.4.3.1; see Figure D-1.3-2 in Appendix D. It is also not characteristic of some of the inorganic chemicals that were retained, particularly arsenic and manganese. As discussed in Appendix D, arsenic as well as beryllium, which was eliminated in Table 2.4-4 because it was also statistically indistinguishable from background, are well correlated with iron and other major elements in data from the drainage sediments—as they are in background soil and sediment data sets. It is therefore likely that the few observations above background represent slightly better developed soils rather than releases from the TA-16-260 outfall. The samples with manganese come not from the center of the drainage but only from lateral bounding samples collected 5–12 ft from the center line of the drainage (see Figure D-1.4-3 in Appendix D.) Thus manganese, too, may not be associated with the outfall.

Data from the BHs are presented graphically in Figures 2.4-9 through 2.4-23. The depth of key stratigraphic features—the soil/tuff interface, the upper surge bed, the powder unit and, in the deepest holes, the lower surge bed—are indicated in these figures, together with the depths of all field screening and laboratory samples. The consolidated strata between the soil/tuff interface and the upper surge bed, between the surge bed and the top of the powder unit, and below the powder unit, include partially, moderately, and densely welded tuffs. These variations, which are described in more detail in Section 4, are not shown in the figures in this section but can be expected to influence the transport of contaminants away from the outfall. Laboratory HE results above DL are identified in the figures, and other chemicals detected above BVs and DLs are listed.

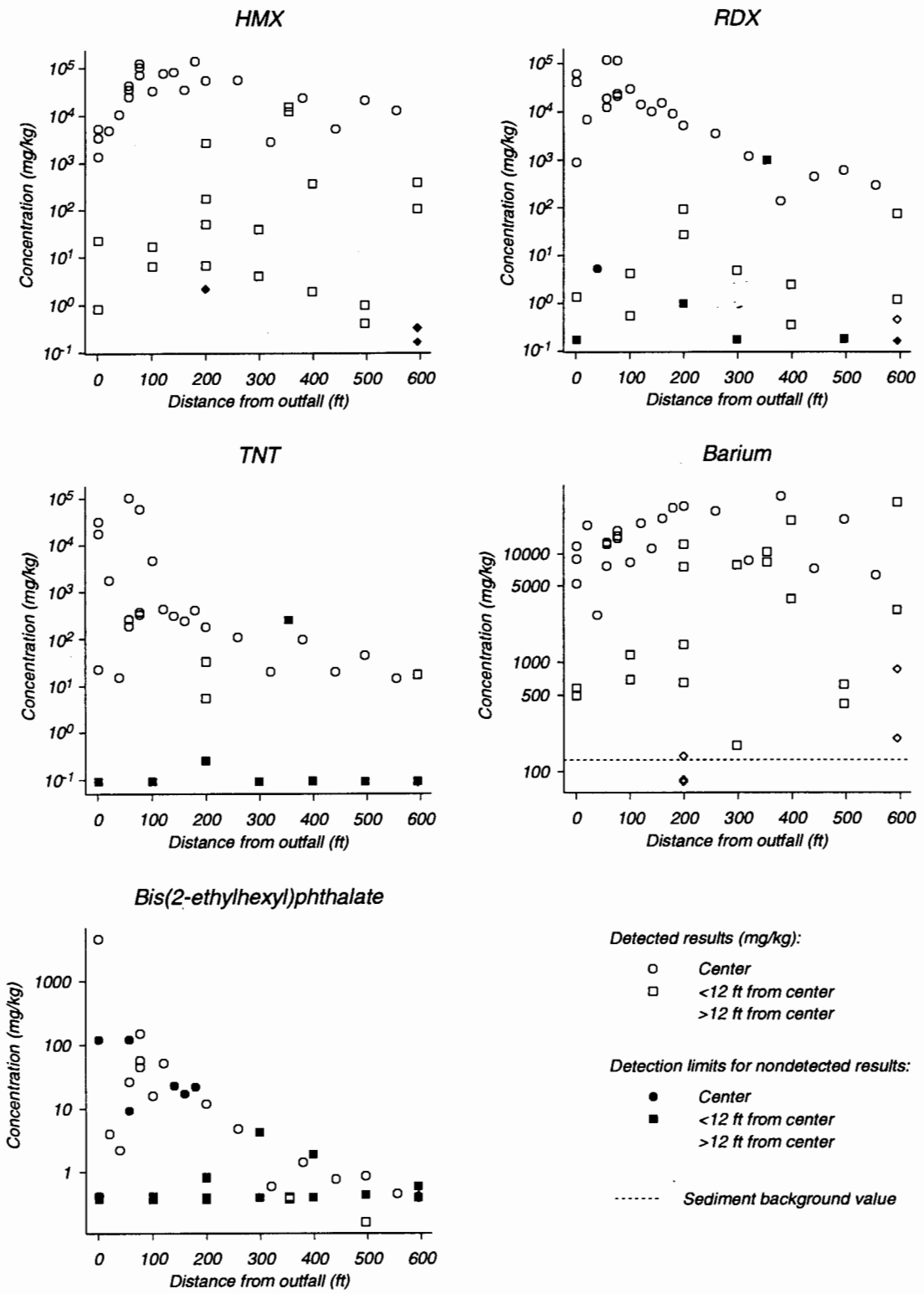


Figure 2.4-6. Trend plots for the principal contaminants in the TA-16-260 outfall drainage sediments

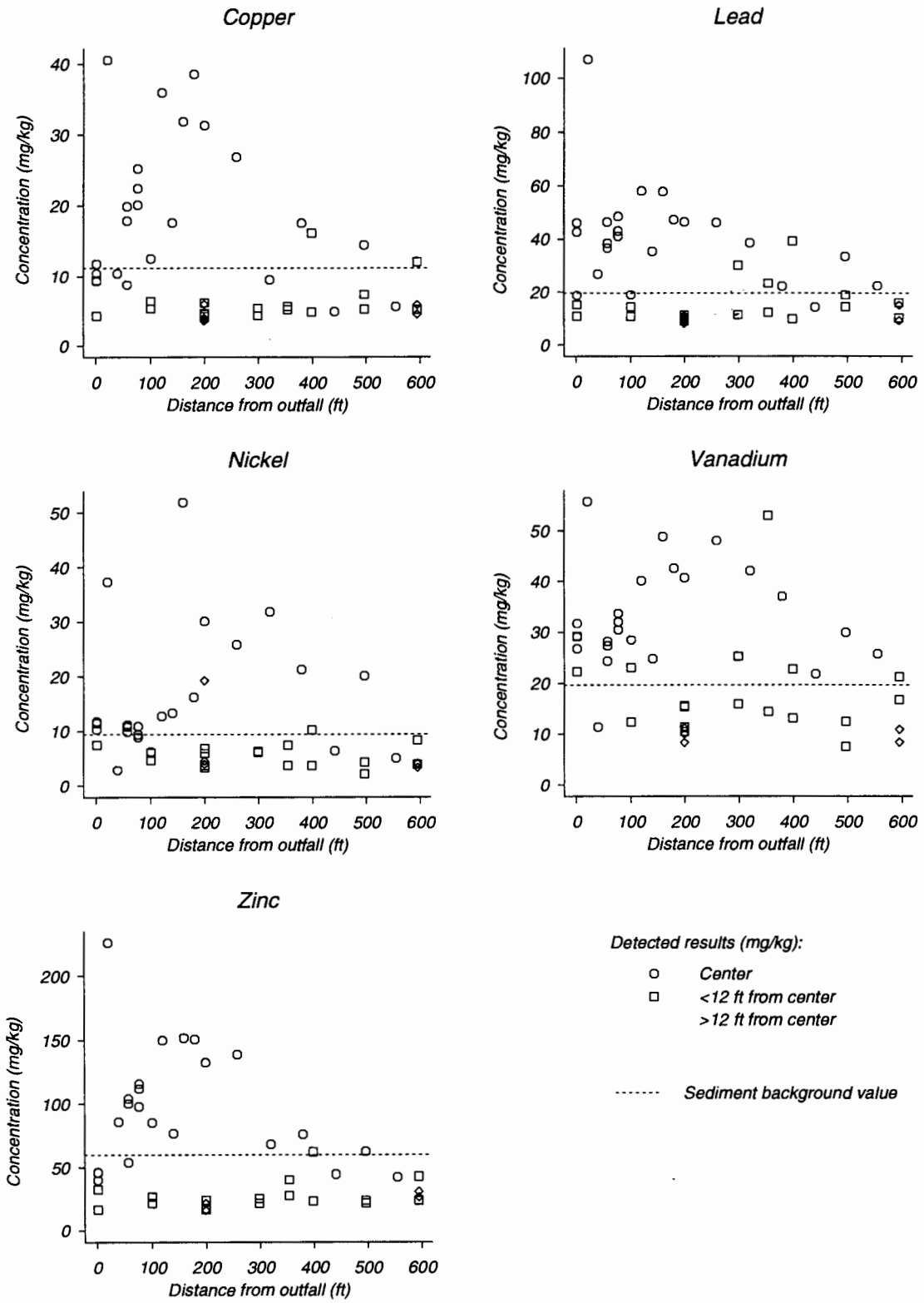


Figure 2.4-7. Trend plots for inorganic contaminants in the TA-16-260 outfall drainage sediments

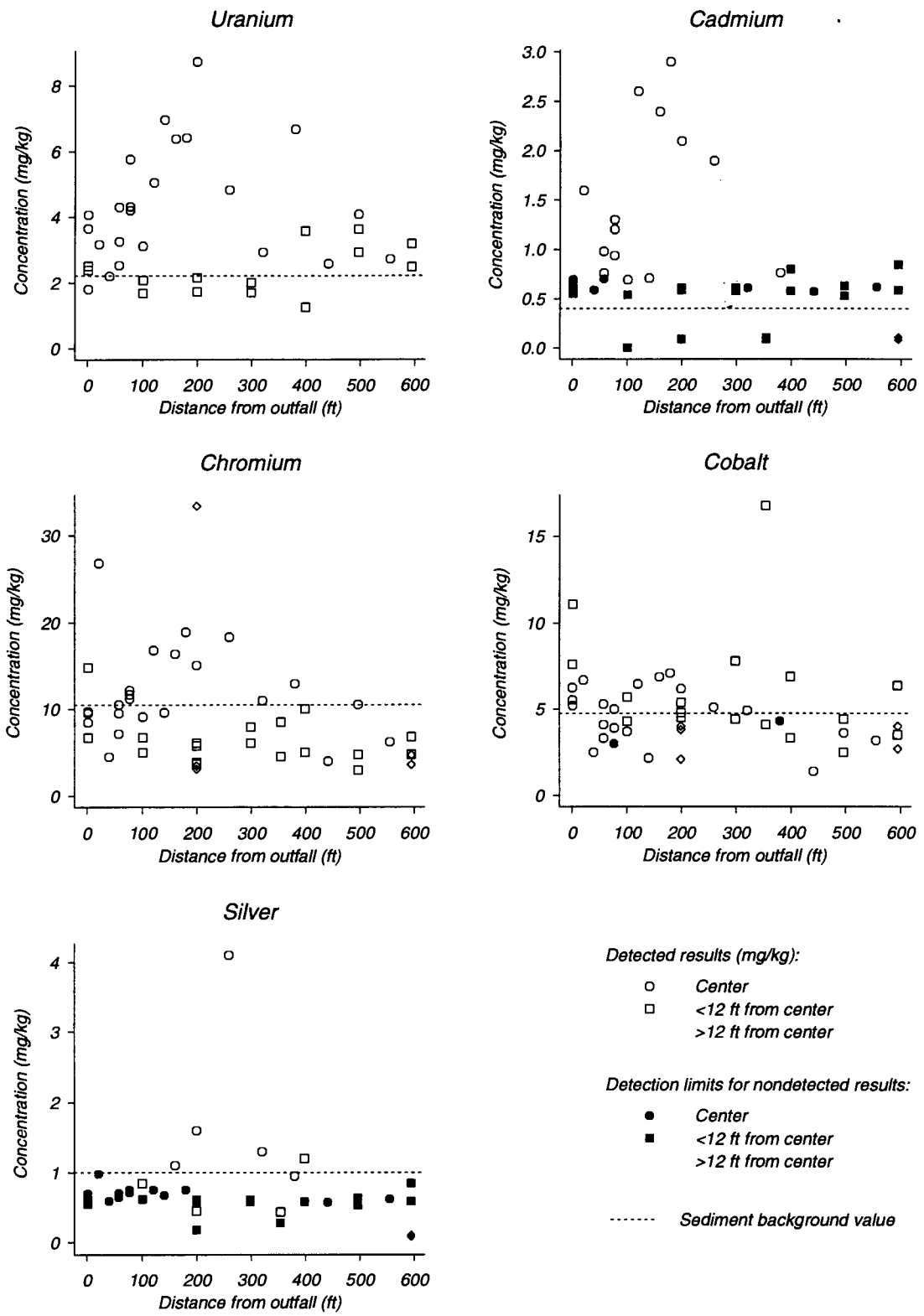
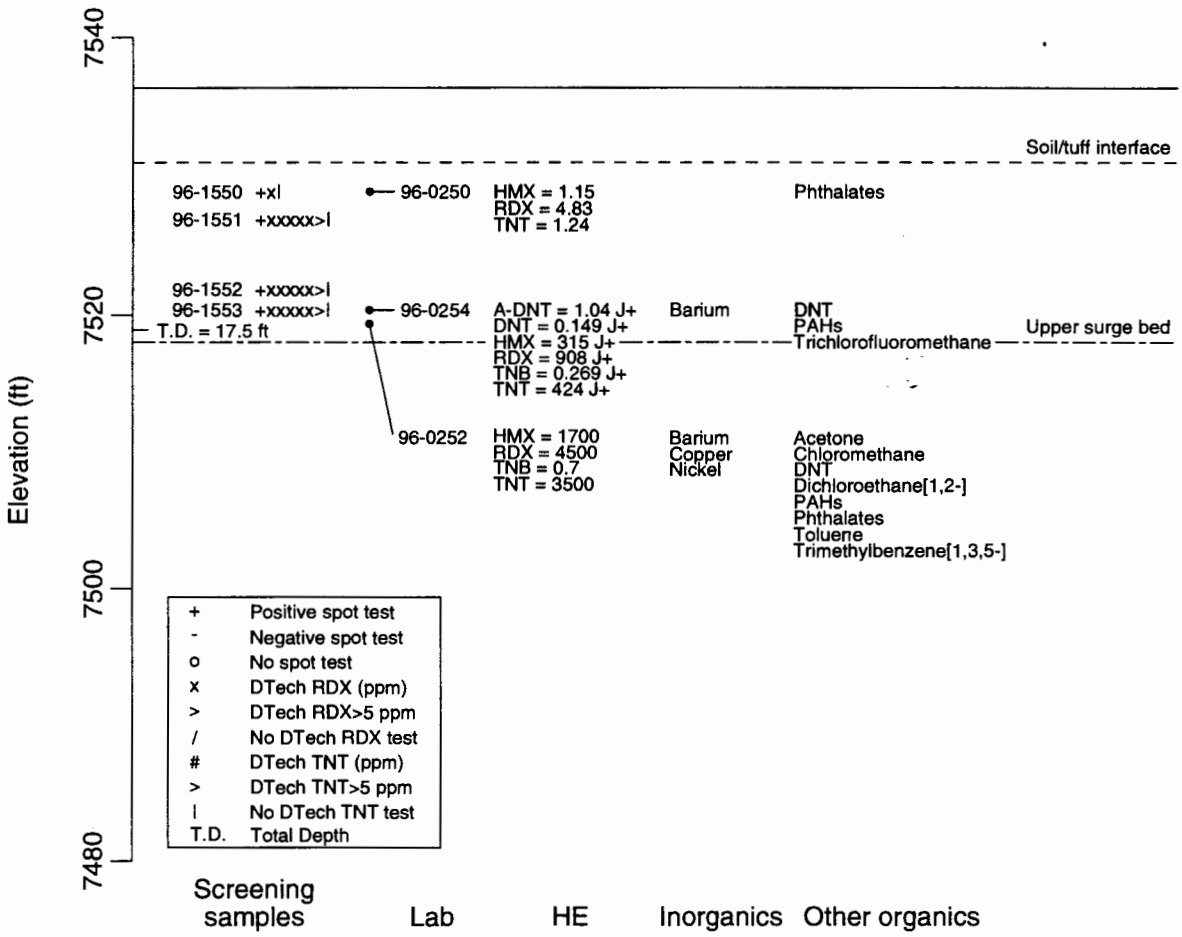


Figure 2.4-8. Trend plots for additional inorganic contaminants in the TA-16-260 outfall drainage sediments



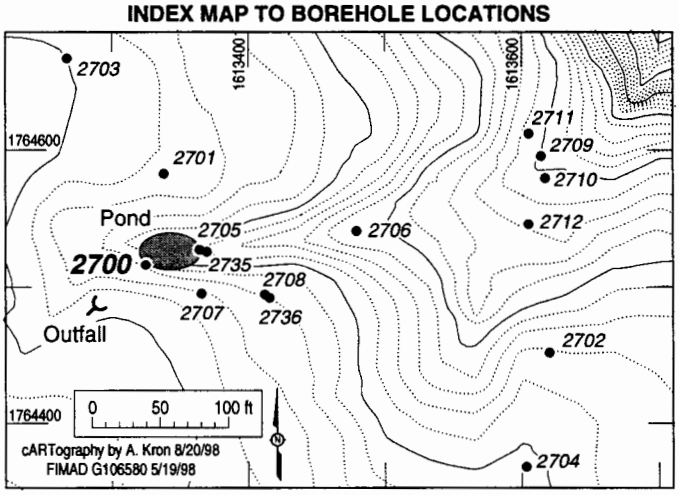


Figure 2.4-9. Screening and laboratory results above DLs and BVs for BH 16-2700

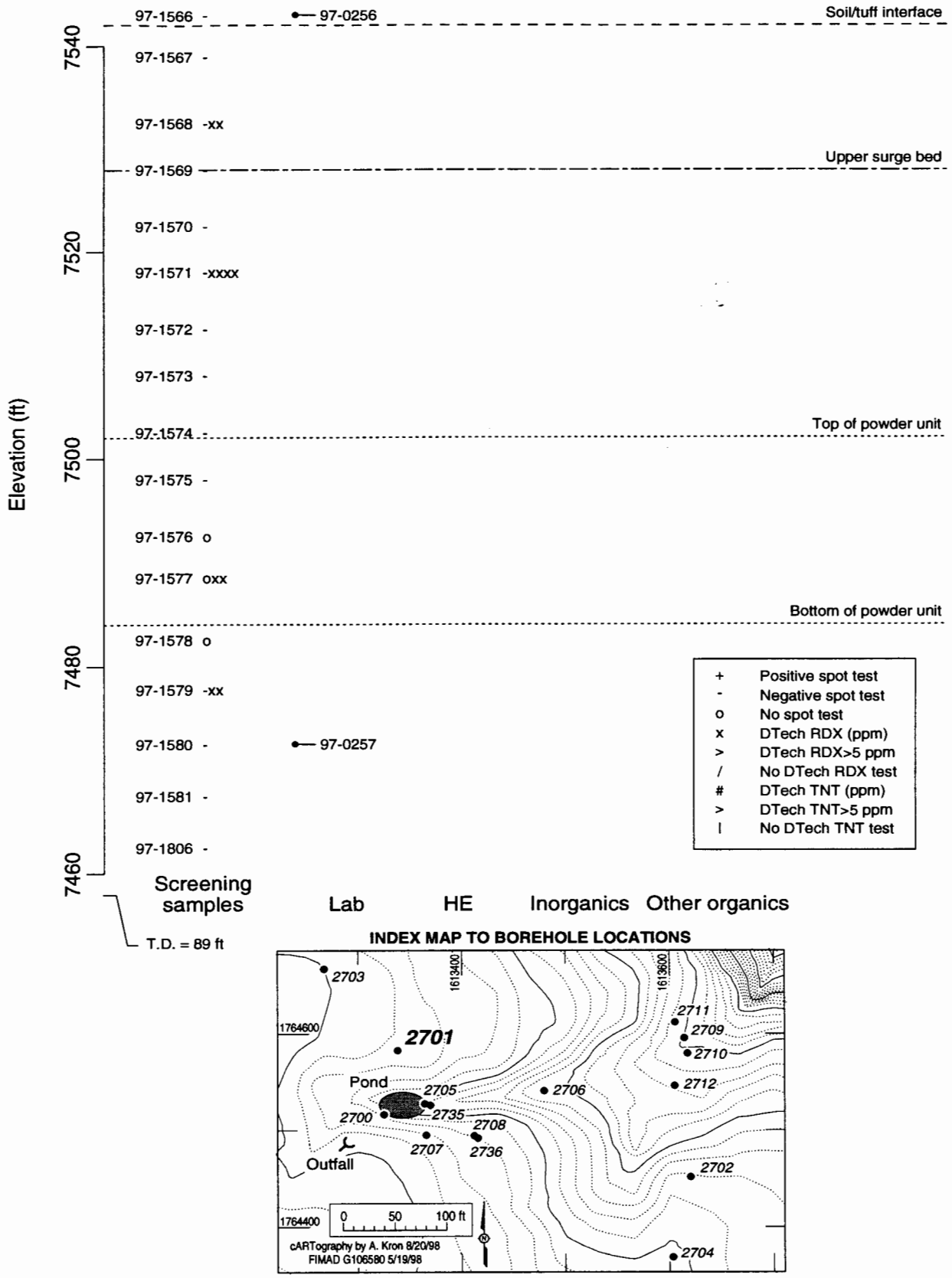
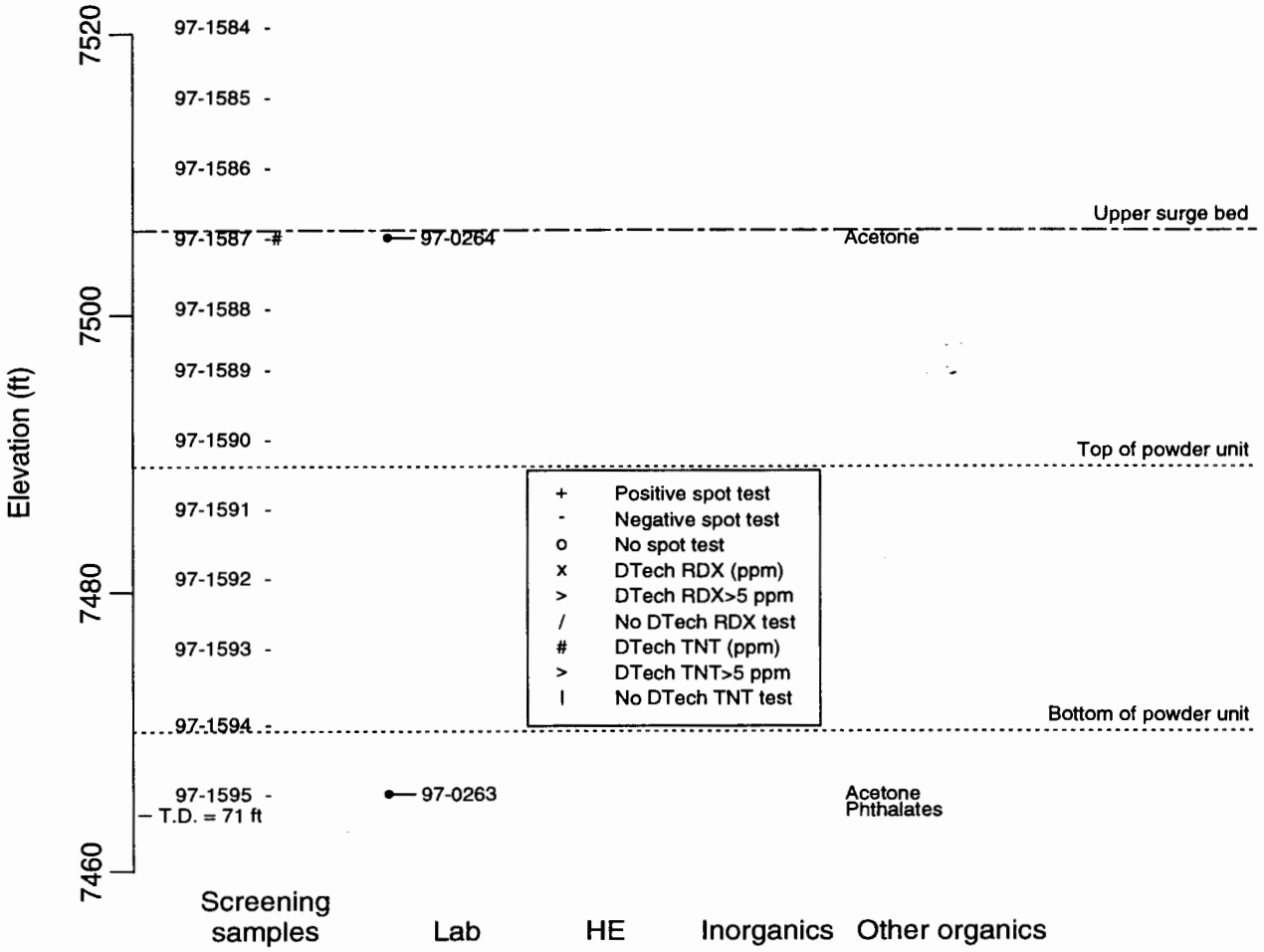


Figure 2.4-10. Screening and laboratory results above DLs and BVs for BH 16-2701



INDEX MAP TO BOREHOLE LOCATIONS

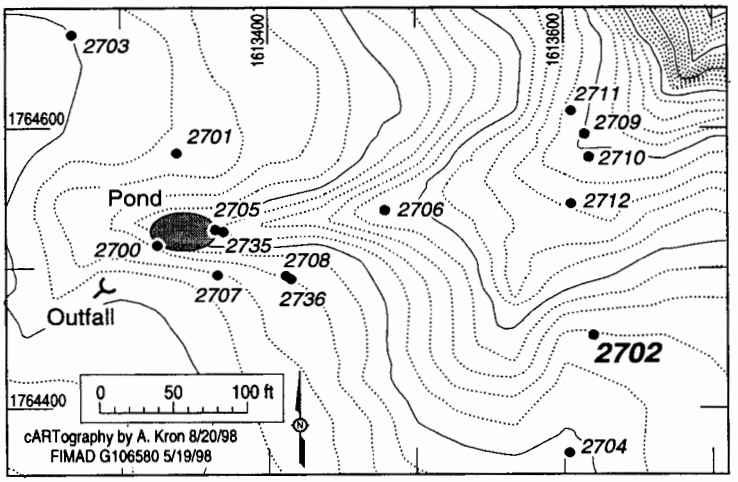
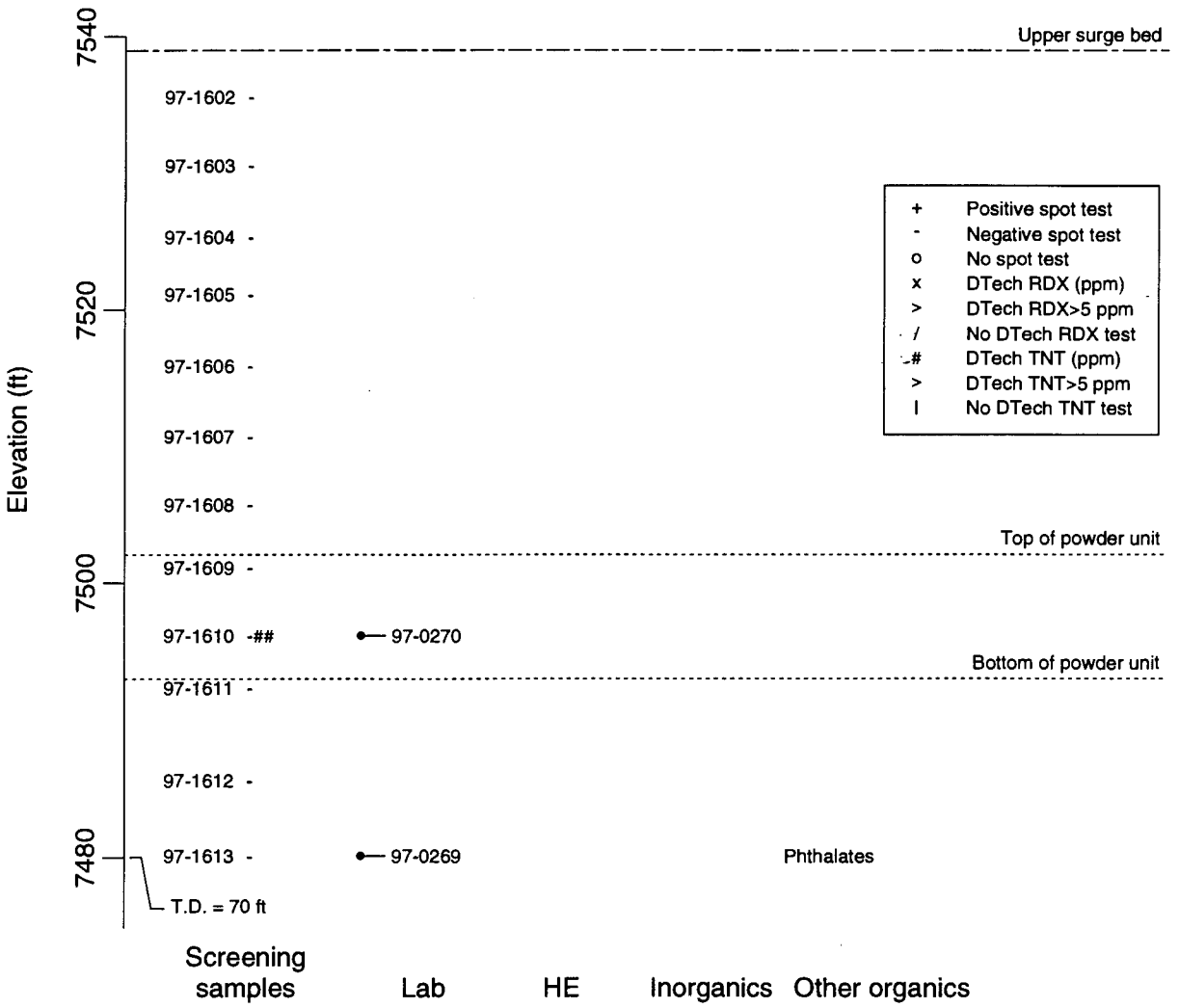


Figure 2.4-11. Screening and laboratory results above DLs and BVs for BH 16-2702



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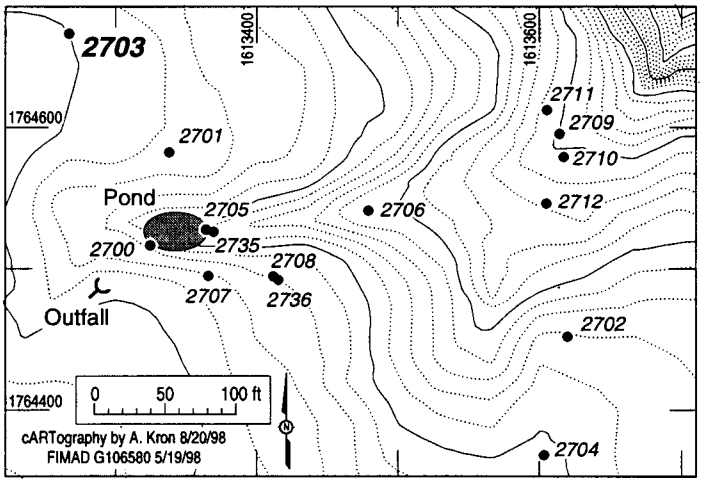
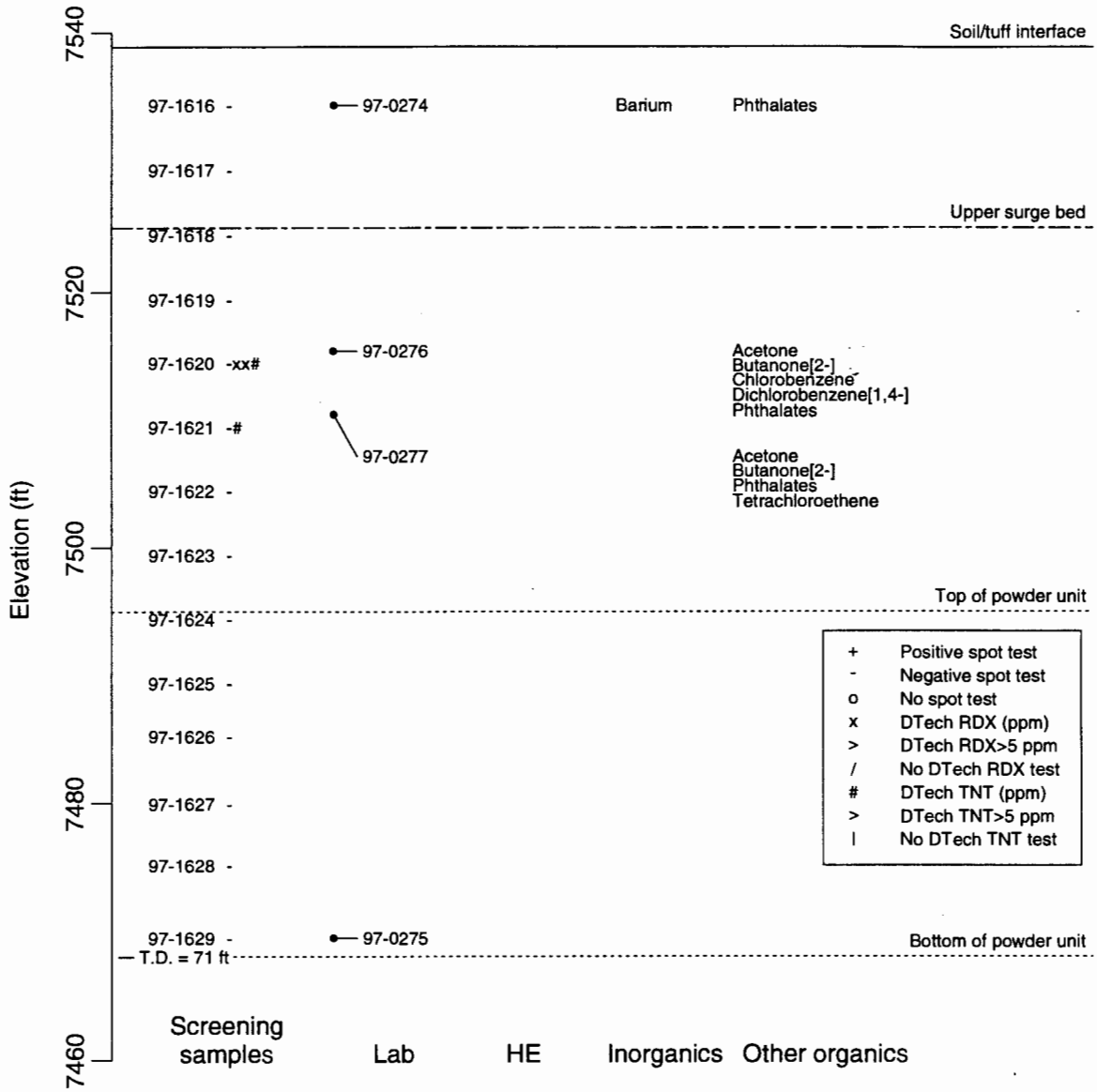


Figure 2.4-12. Screening and laboratory results above DLs and BVs for BH 16-2703



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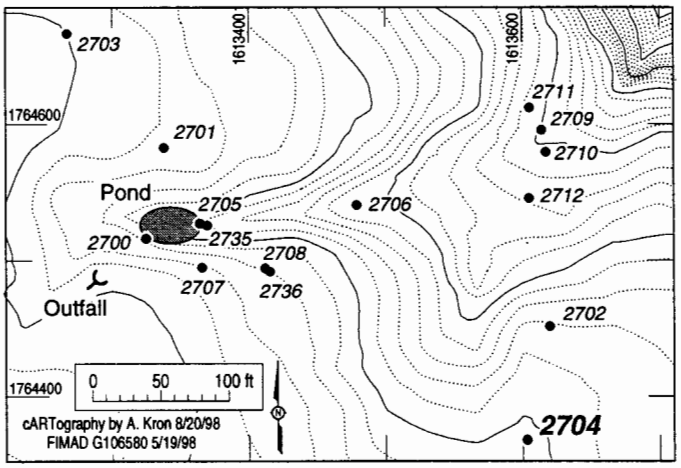
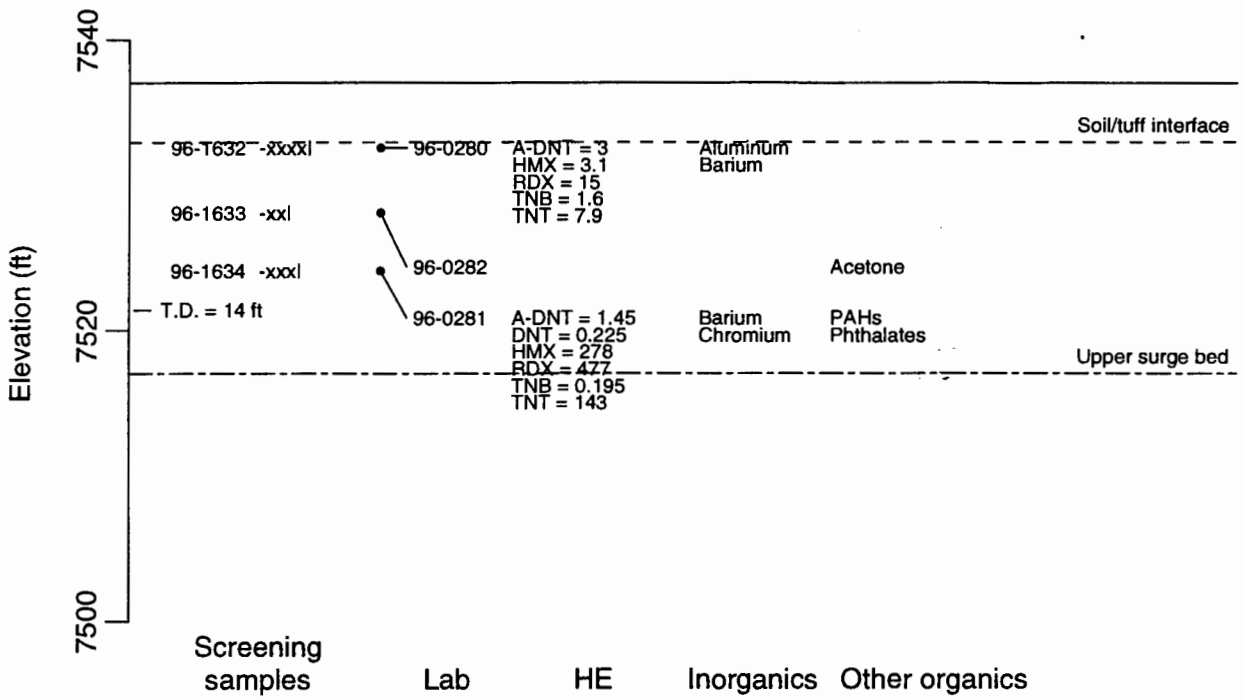


Figure 2.4-13. Screening and laboratory results above DLs and BVs for BH 16-2704



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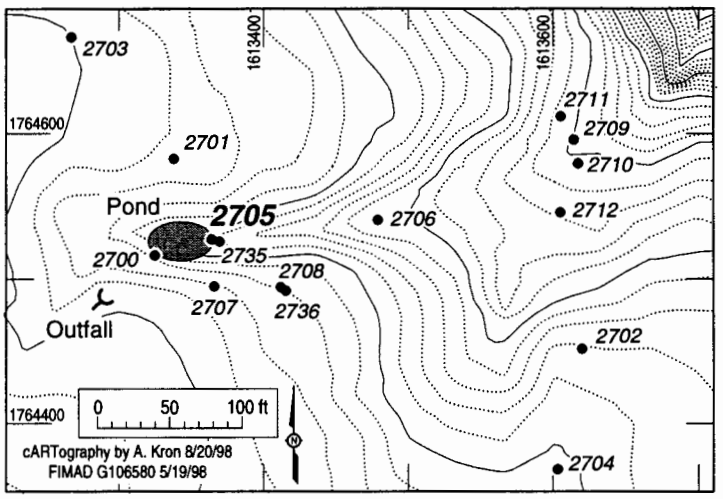


Figure 2.4-14. Screening and laboratory results above DLs and BVs for BH 16-2705

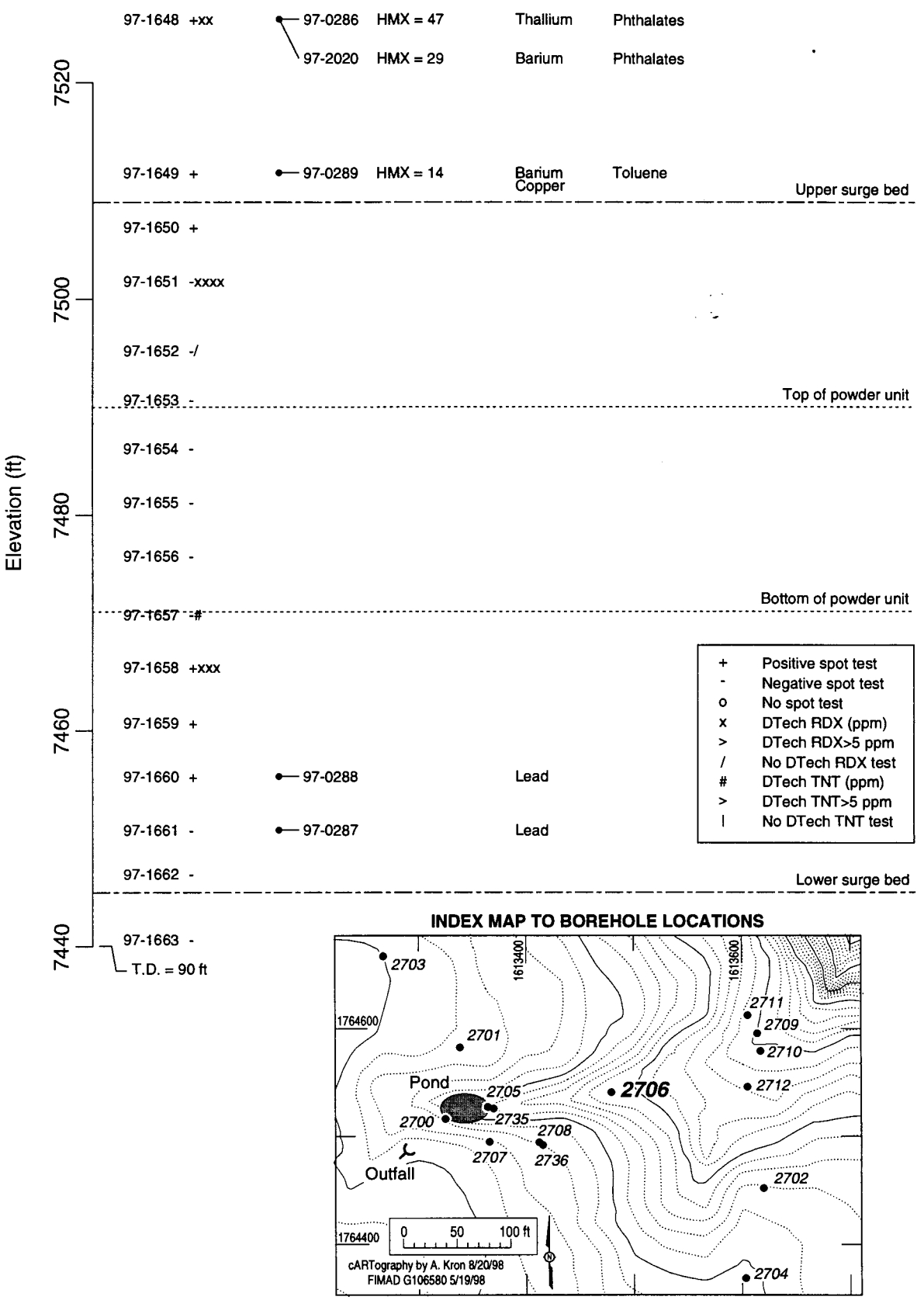
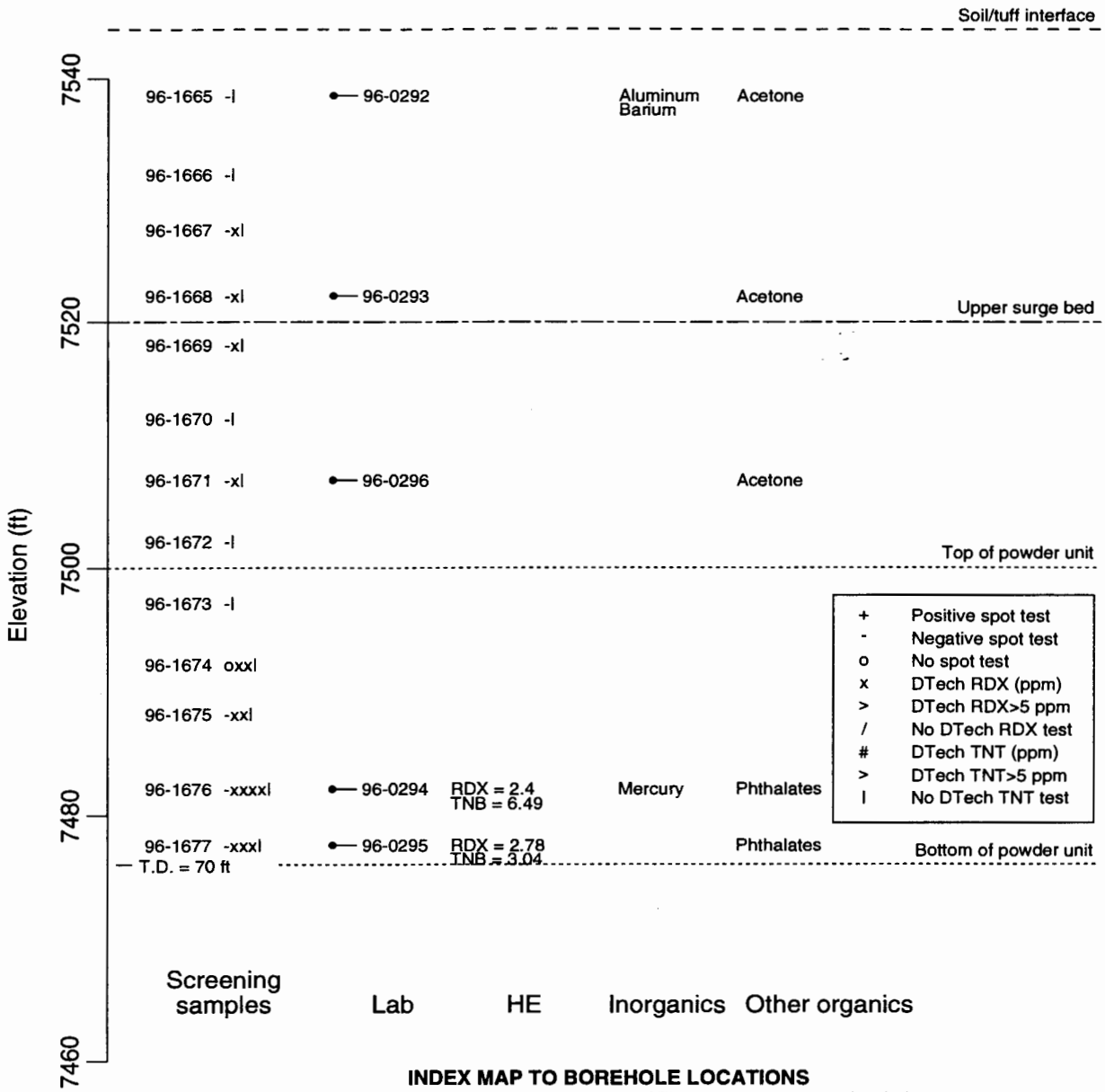


Figure 2.4-15. Screening and laboratory results above DLs and BVs for BH 16-2706



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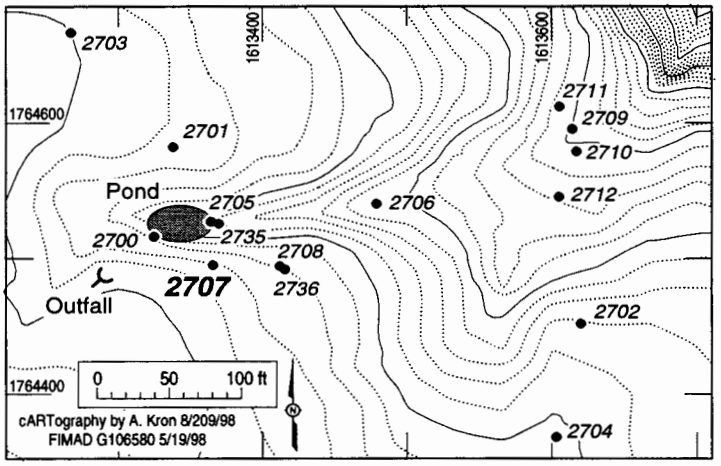
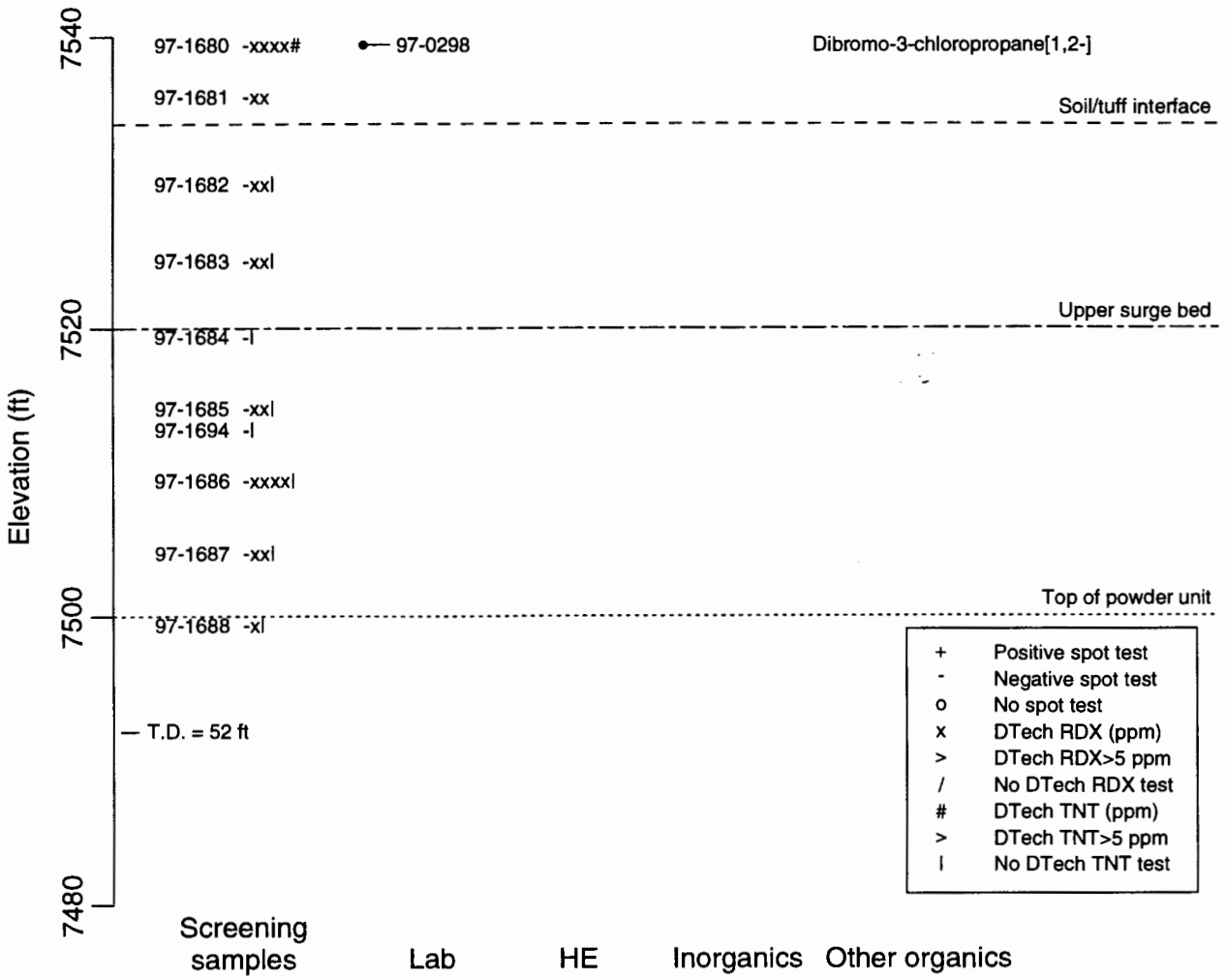


Figure 2.4-16. Screening and laboratory results above DLs and BVs for BH 16-2707



INDEX MAP TO BOREHOLE LOCATIONS

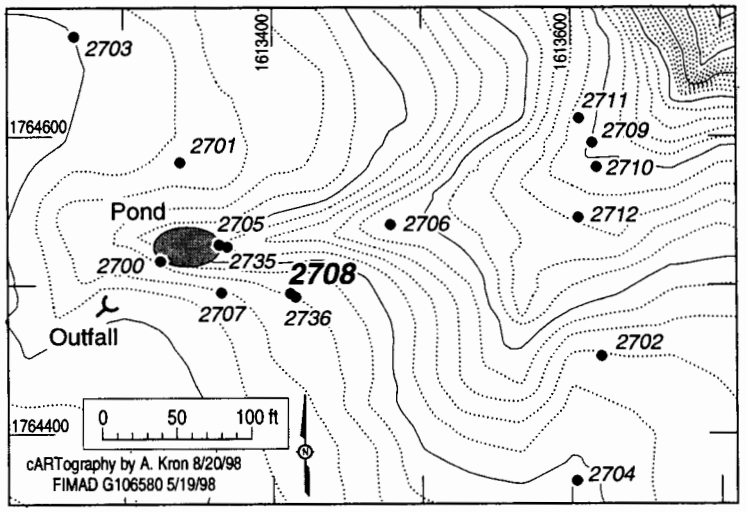
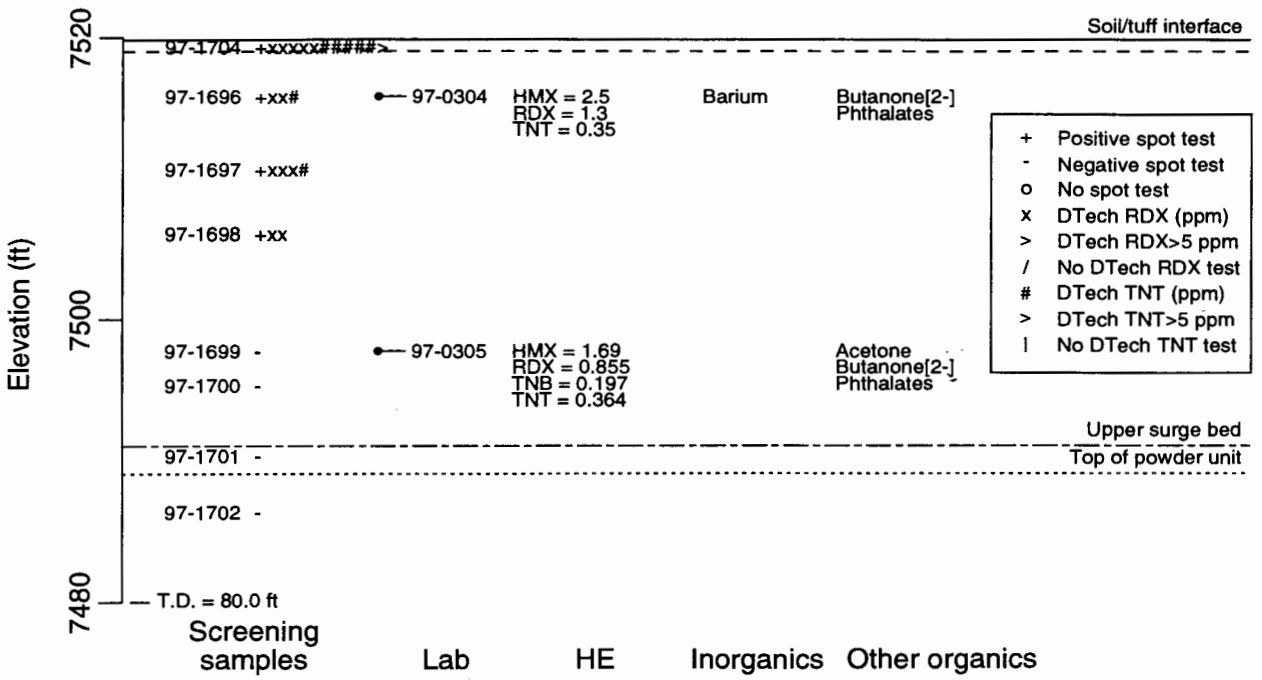


Figure 2.4-17. Screening and laboratory results above DLs and BVs for BH 16-2708



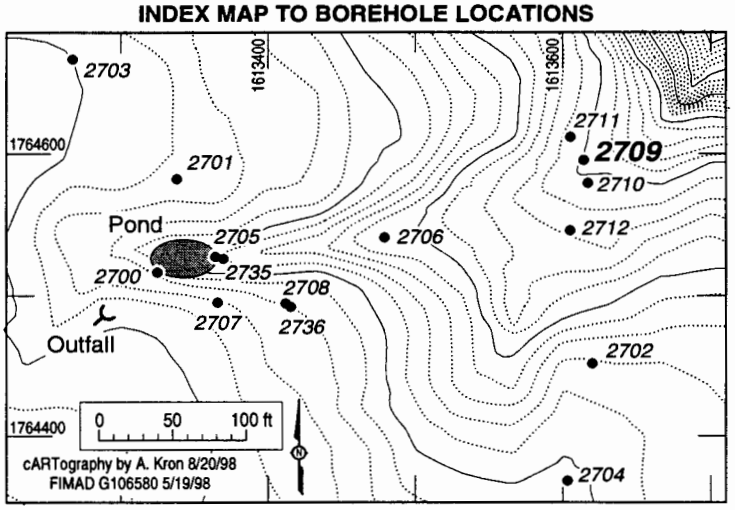
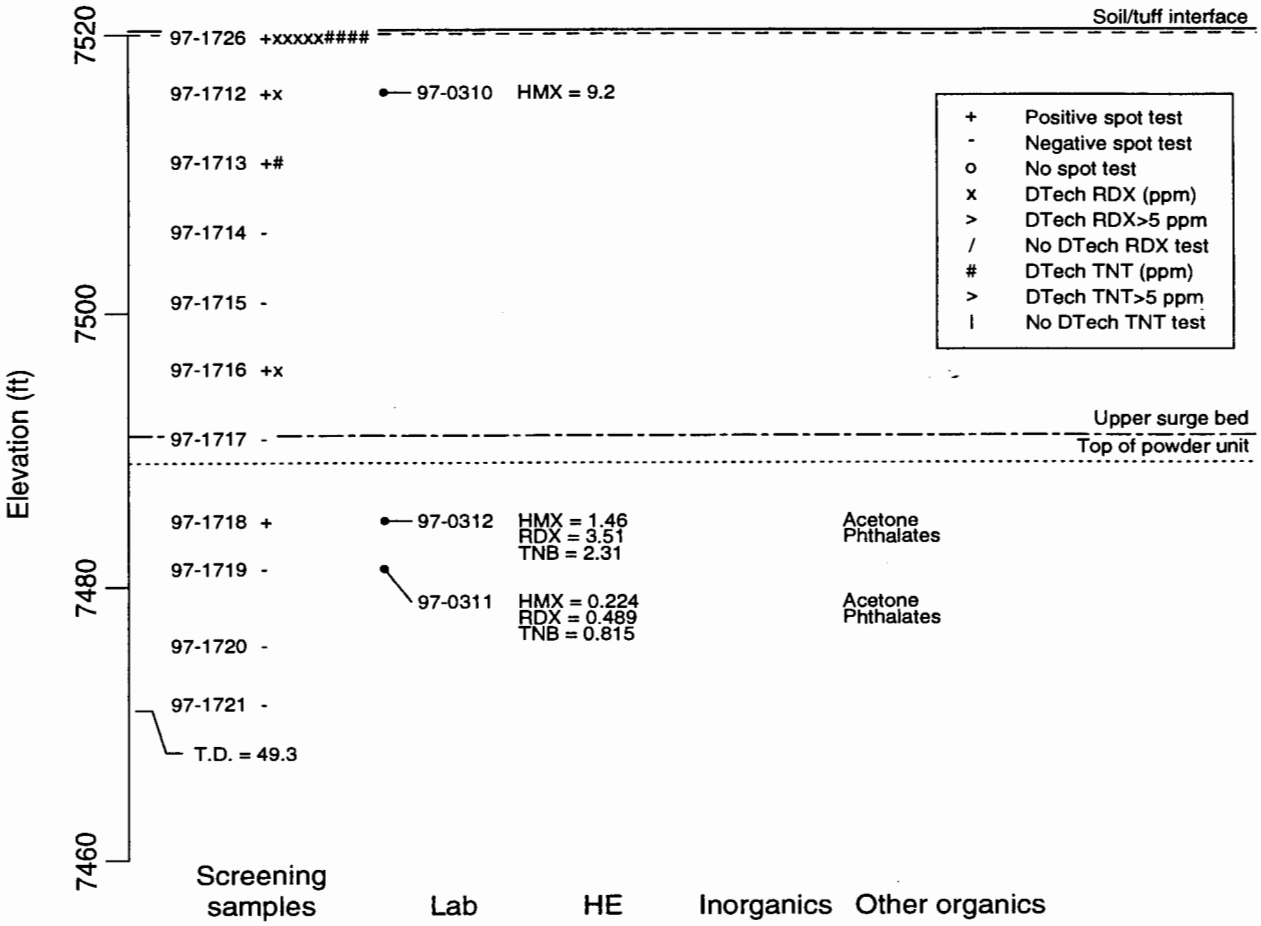


Figure 2.4-18. Screening and laboratory results above DLs and BVs for BH 16-2709



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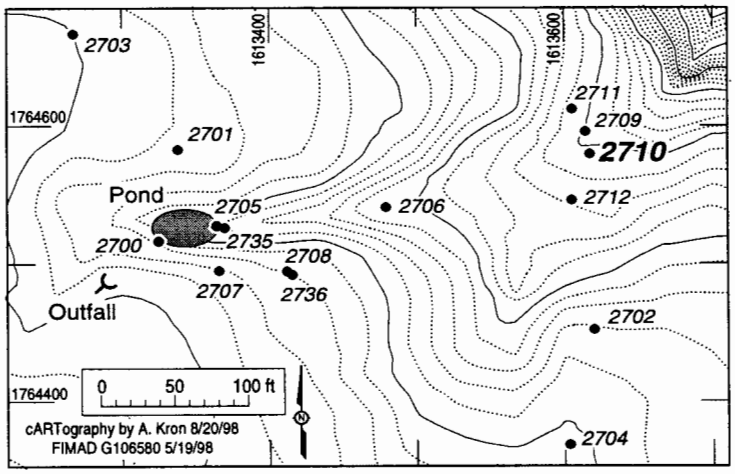
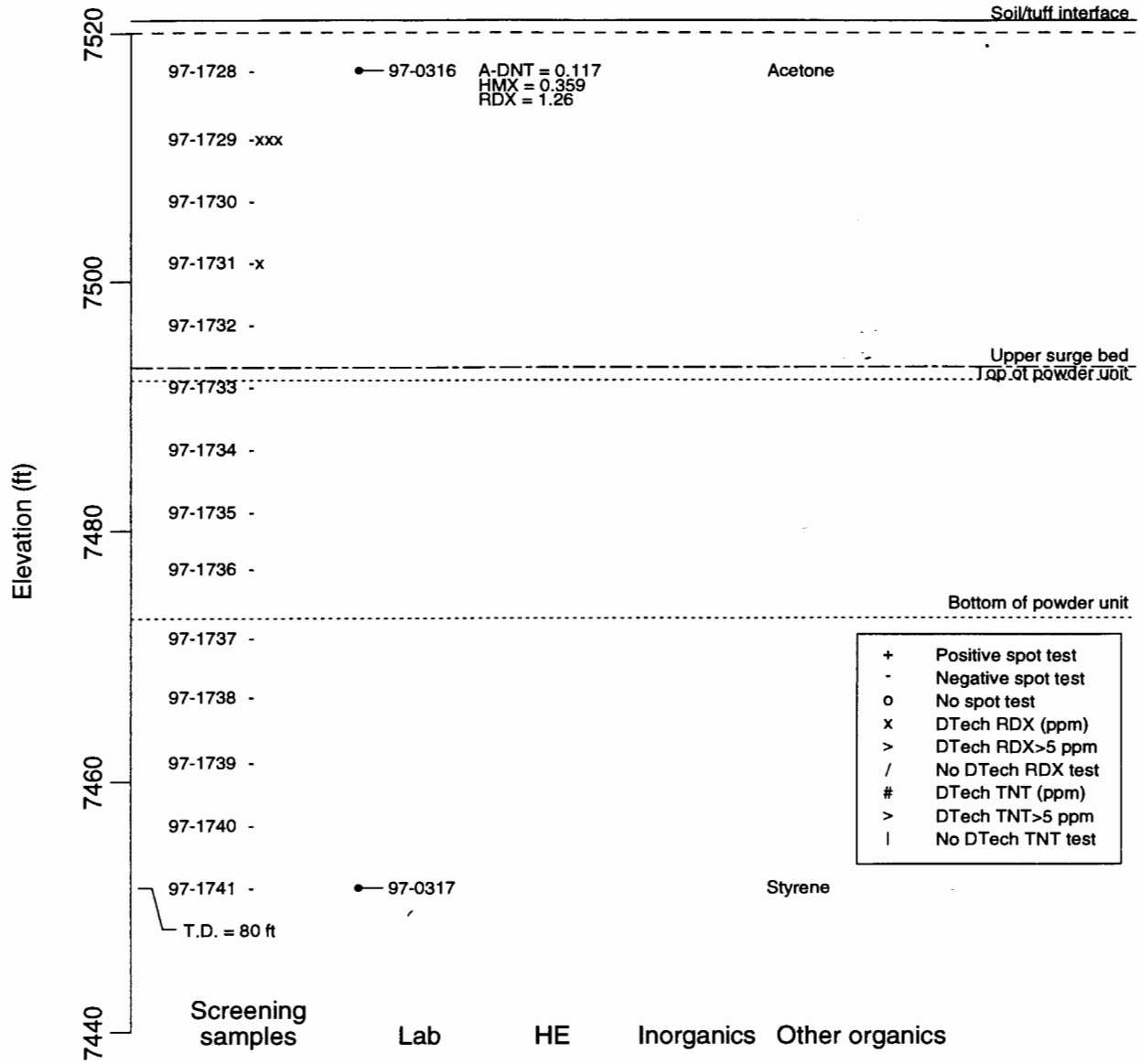


Figure 2.4-19. Screening and laboratory results above DLs and BVs for BH 16-2710



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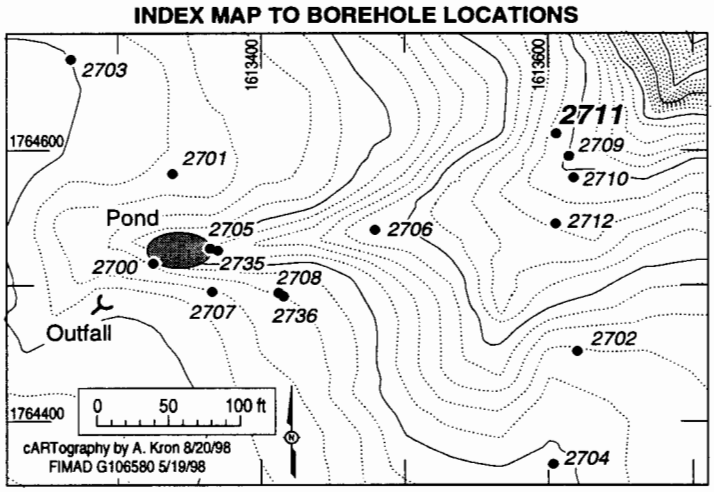


Figure 2.4-20. Screening and laboratory results above DLs and BVs for BH 16-2711

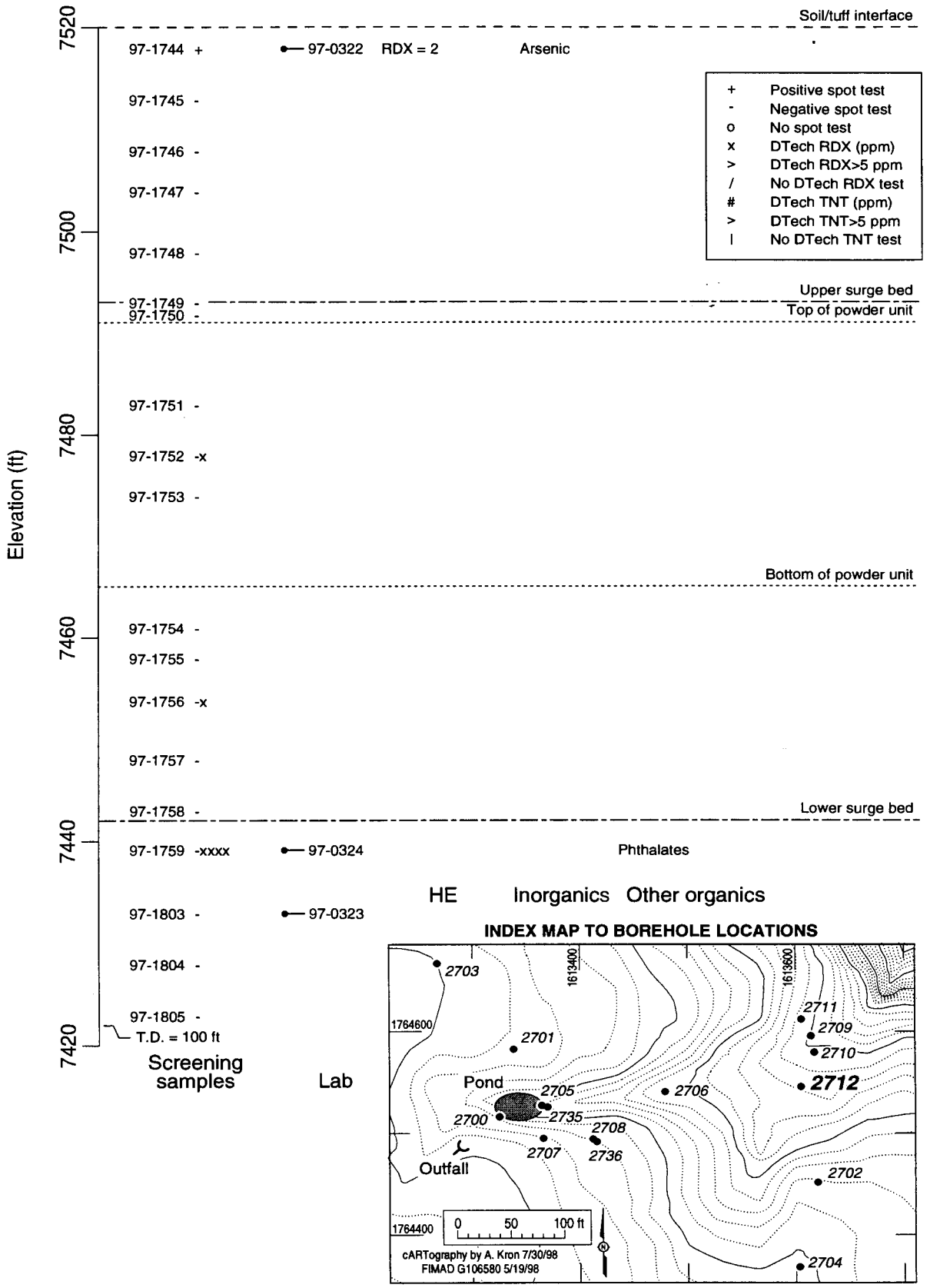


Figure 2.4-21. Screening and laboratory results above DLs and BVs for BH 16-2712

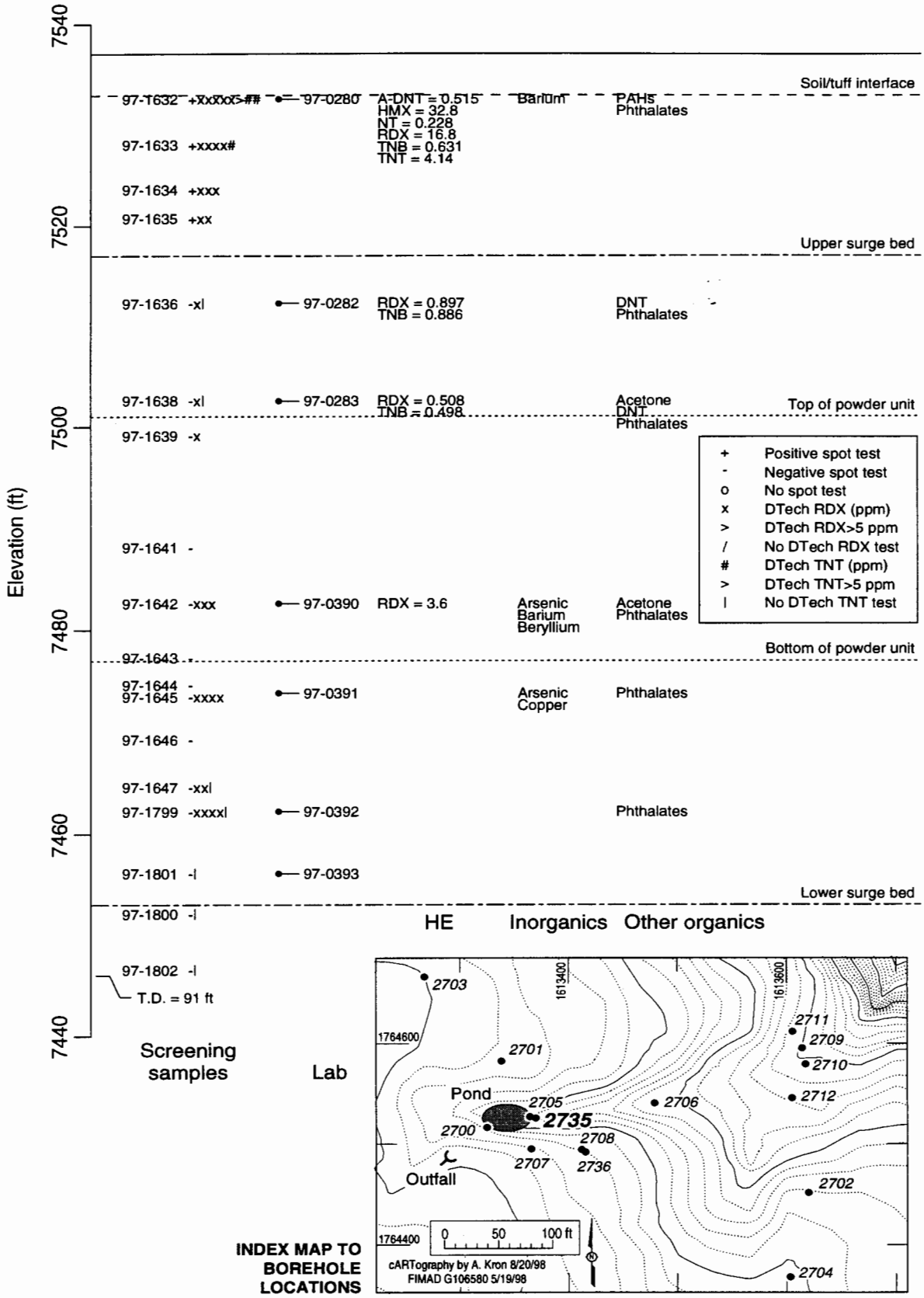
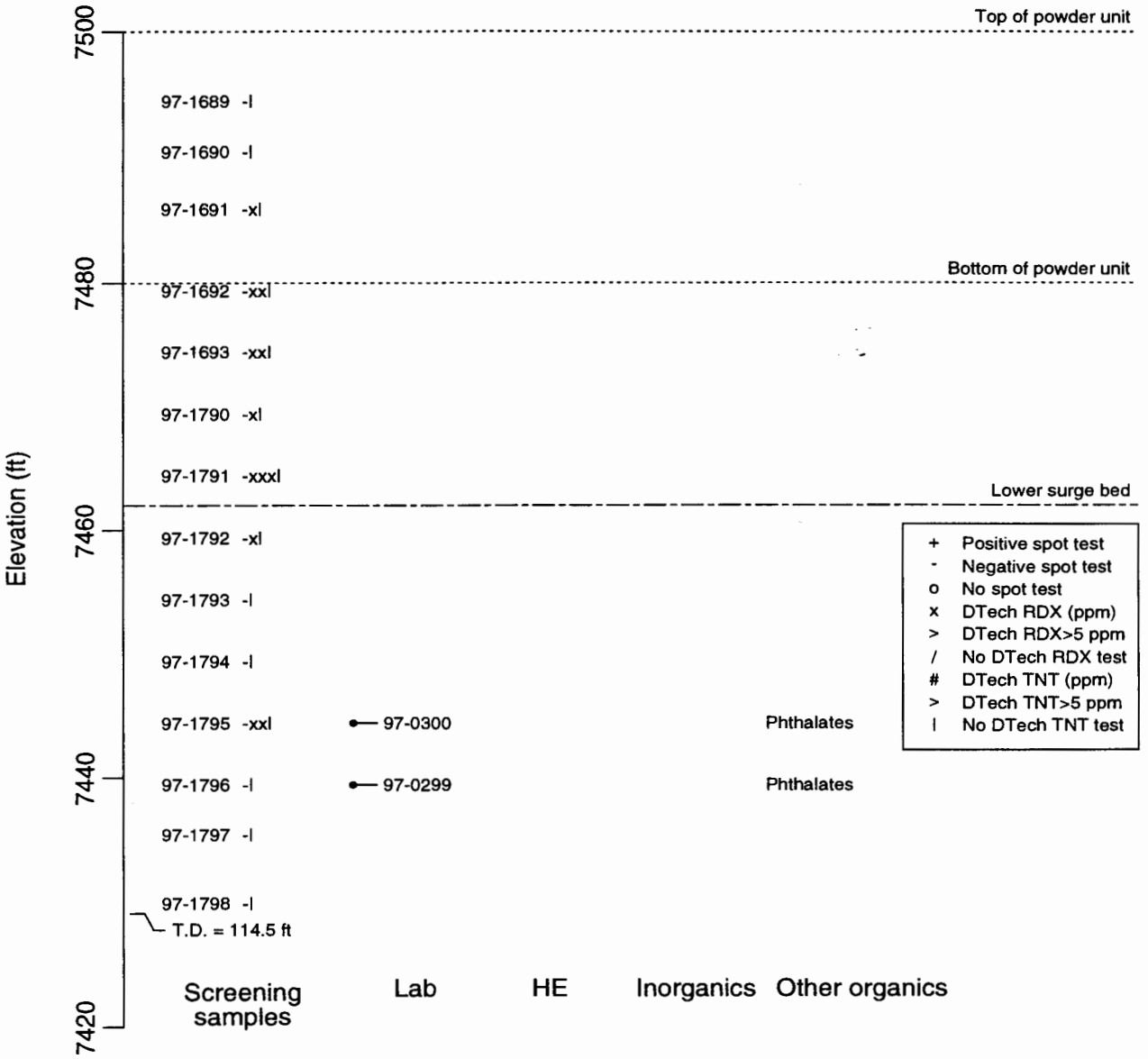


Figure 2.4-22. Screening and laboratory results above DLs and BVs for BH 16-2735



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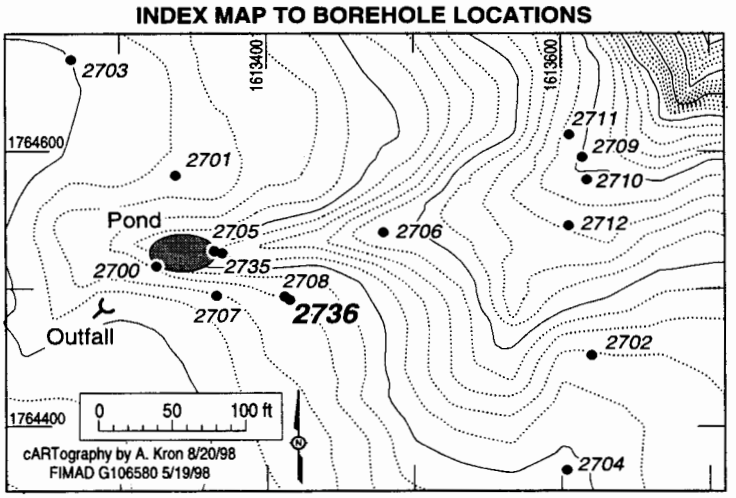


Figure 2.4-23. Screening and laboratory results above DLs and BVs for BH 16-2736

The screening samples provide the most complete set of downhole observations, although, as mentioned previously, the results are only semiquantitative and exhibit a fairly high false-positive rate. Overall, in Figures 2.4-9 through 2.4-23, however, the screening samples present a moderately consistent picture, suggesting:

- significant levels of HE contamination between the soil/tuff interface and the upper surge bed in the six BHs within the drainage: 16-2700, 16-2705/16-2735, 16-2706, 16-2709 and 16-2710 (see Figure 2.4-24, which shows the screening results for these six BHs on a single page);
- some contamination below the upper surge bed, both within the drainage and in some of the holes to the south and east of the pond (particularly in BH 16-2708, about 40 ft south of the drainage);
- relatively few positive readings in the powder unit, even in the drainage BHs;
- a rise in contamination at the base of the powder unit, again in holes outside of the drainage as well as in the two holes within the drainage that penetrated to this depth; and
- clean screening samples at the bottom of most BHs.

Note that, in these figures, nondetected DTech RDX and TNT are represented by the absence of the symbols x or #, respectively. Unavailability of DTech data, by contrast, is indicated by the symbols / or I, respectively. In particular, the DTech TNT test was not performed on the samples from the early BHs (16-2700, 16-2705, and 16-2707). Refer to the key on Figure 2.4-9.

Where paired laboratory samples are available, they do not always confirm the DTech screening hits (see Appendix E for screening vs. lab sample correlation). Conversely, laboratory RDX values up to 3.51 mg/kg (in sample 0316-97-0312 from BH 16-2710) were found in four laboratory samples for which the RDX screening result was negative. About 4 mg/kg of DTech RDX was reported in two screening samples collected below the lower surge bed in BH 16-2712. Unfortunately, the corresponding laboratory HE data, which were reported below DLs, were rejected, so this result can neither be confirmed nor refuted.

The six BHs within the drainage account for the majority of detected laboratory results, both HE and other contaminants, that are presented in Tables 2.4-12, 2.4-15, 2.4-18, and 2.4-19. One important exception to this statement is the observation of HE and butylbenzylphthalate, as well as mercury slightly above its DL, in samples collected near the bottom of the powder unit in 16-2707, located about 30 ft south of the pond. RDX and butylbenzylphthalate were also found in a sample from a comparable depth in BH 16-2735, to the north, within the drainage. (The depth of the base of the powder unit in 16-2707 as shown on Figure 2.4-16 is an estimate, as core from this hole was not available to be logged.) In the laboratory data set, these observations provide one of the main indications of stratigraphic control of lateral migration at depth.

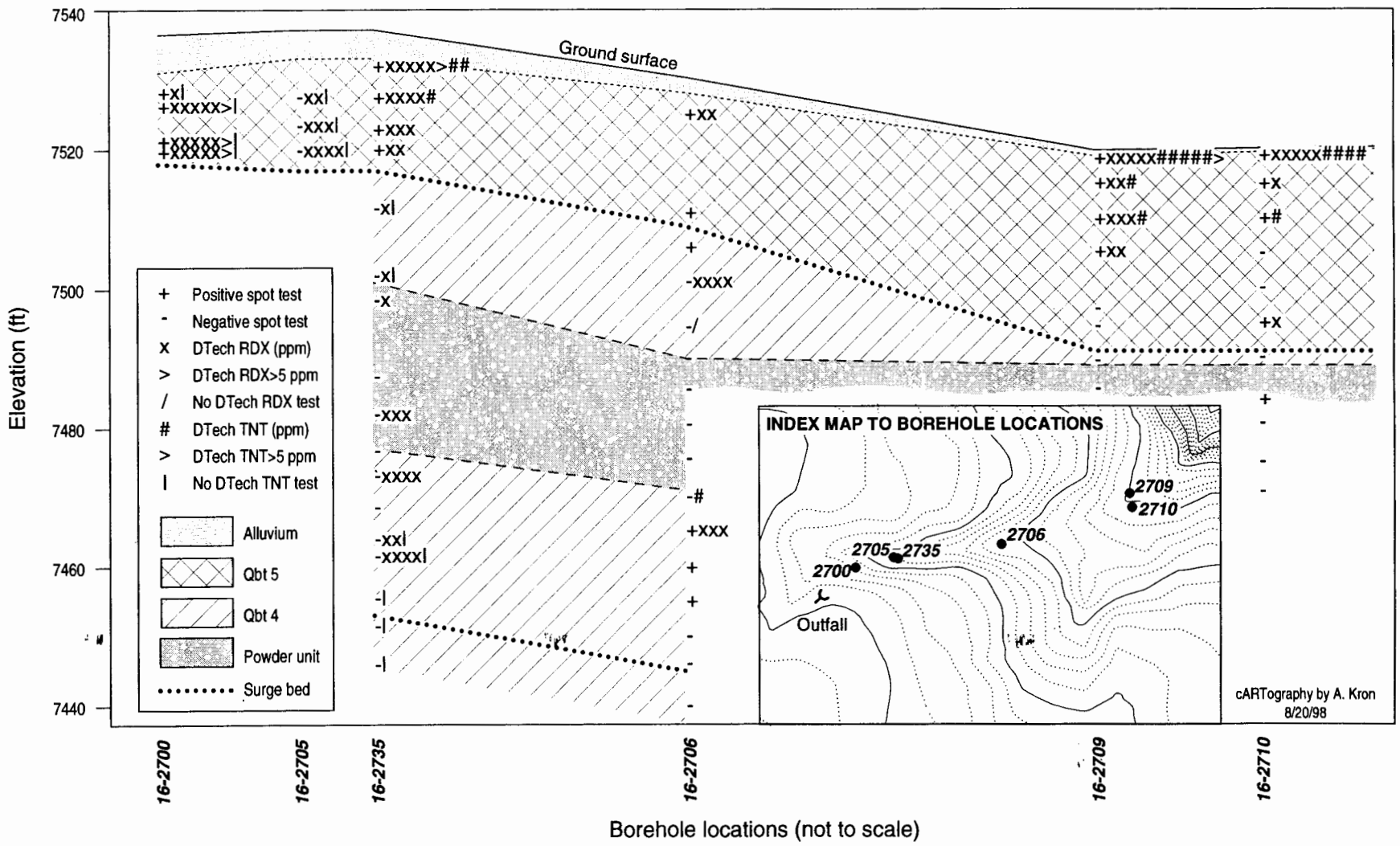


Figure 2.4-24. HE screening results in tuff below drainage channel

Samples collected near the soil/tuff interface in the drainage (0316-96-0280 from 16-2705, 0316-97-0280 from 16-2735, 0316-97-0286 and collocated 0316-97-2020 from 16-2706, and screening samples without laboratory confirmation from 16-2709 and 16-2710) are, in general, moderately contaminated. HE at up to 50 mg/kg, and barium at twice the background level for tuff, are reported in these samples, as well as some of the other contaminants for which there is evidence of release in the surface data, including phthalates (bis[2-ethylhexyl]phthalate as well as others that were not detected in the surface and near-surface samples). HE was also measured at 1–2 mg/kg in two soil/tuff interface samples from BHs 16-2711 and 16-2712. Although these two holes are about 30 ft north and south of the center of the drainage, respectively, the drainage at this point is broad and fairly level. The presence of HE near the soil/tuff interface in BHs 16-2711 and 16-2712 might be the result of either surface transport or interflow along the soil/tuff boundary.

Laboratory evidence of HE contamination, like the screening results, persists down to the upper surge layer in the BHs within 300 ft of the outfall, although at lower levels. One laboratory sample from a depth of 13 ft in BH 16-2705 (0316-96-0281) contained HMX, RDX, and TNT at concentrations of several hundred mg/kg. Two samples that appear to come from the surge layer itself (0316-96-0252 and 0316-96-0254 from BH 16-2700 in the ponded area) are highly contaminated. Another sample in BH 16-2706 (0316-97-0289) may come from the same stratum; it is moderately contaminated (less than 50 mg/kg). No other laboratory samples appear to have been collected from this important geological interface, which is represented in most of the logged BHs by a gap in the core rather than any actual surge material.

By contrast, laboratory HE levels do not exceed 5 mg/kg either below the upper surge bed in the drainage holes within 300 ft of the outfall or deeper than about 5 ft below the soil/tuff interface in the eastern BHs (16-2709 and 16-2710). However, only two of the six drainage holes (16-2735 and 16-2706) reached the bottom of the powder unit at a depth of about 60 ft. In 16-2735, a deep hole just east of the pond, several screening hits at depth were not confirmed in the corresponding laboratory samples, but 3.6 mg/kg of RDX was reported in one sample from the base of the powder unit. In 16-2706, lead was reported above the background level in two samples collected in tuff 15–20 ft below the bottom of the powder unit, but no HE was reported in these samples; in particular, a positive HE spot test result in one of these samples was not confirmed by laboratory analysis.

Almost all the inorganic chemicals reported above background are in the drainage BHs, but organic chemicals were reported in other BHs, particularly in BH 16-2704, which is approximately 200 ft to the south of the drainage. The presence of these chemicals at a depth of approximately 30 ft in BH 16-2704, above the powder unit, cannot be explained. Phthalates were the only contaminants found in the only two laboratory samples from Qbt_3 tuff (from the bottom of BH 16-2736, located approximately 40 ft south of the drainage).

2.5 Implications for the TA-16 Hydrogeologic Conceptual Model

The major contaminants that were released at the TA-16-260 outfall and are still present at very high levels in the drainage sediments are HE—particularly HMX, RDX and TNT—and barium. A number of other inorganic chemicals are found in the drainage sediments, including copper, lead, nickel, vanadium, uranium, and zinc. Of the phthalates, only bis(2-ethylhexyl)phthalate was reported in the drainage sediments, but based on data from the BHs, it is likely that other phthalates were also released at the outfall; their presence is being masked by the very high levels of HE in the sediment samples. Anthracene also appears to have been released.

The available evidence suggests that HE and other contaminants have generally penetrated the upper layer of tuff (above the upper surge bed) below the drainage, but at concentrations that are an order of magnitude smaller than observed above the soil/tuff interface. Sporadic hits below the upper surge bed both under and south of the drainage indicate that further distribution of contamination may be occurring along pathways determined by vertical fractures and dense horizontal strata. While laboratory evidence is quite limited, there is nothing in the data to suggest the presence of pockets of high levels of contaminants in the deep subsurface. Rather, each of the densely welded layers of tuff underlying the pond—within Qbt_5 and above and below the powder unit in Qbt_4—appears to correspond to a decrease in levels of contamination of at least one order of magnitude.

Overall, the trends seen in these data suggest that a removal action that targets the drainage sediments, plus up to 20 ft of tuff beneath the pond, would be highly effective in removing the bulk of the HE contamination, as well as most of the contamination associated with other organic and inorganic compounds. The numbers in Table 2.4-21 are approximate, but they show that 80–95% of the total contamination at the TA-16-260 outfall resides in the sediments between the outfall and the 15-ft cliff where the drainage drops into Cañon de Valle, approximately 420 ft below the outfall. Most of the remaining barium and HMX is in the sediments on the slope of Cañon de Valle, while the remaining RDX and TNT is largely in the tuff below the pond.

Table 2.4-21

Average Concentration and Percent of Total Contamination in the TA-16-260 Outfall Drainage, by Section and Medium

	Barium		HMX		RDX		TNT	
	Average	%	Average	%	Average	%	Average	%
Sediments: Outfall to pond	8700	5.4	4700	1.1	20 400	9.9	9500	10.4
Sediments: Pond to 260 ft from outfall	15 100	57.8	60 300	88.3	27 500	83.2	11 600	79.0
Qbt_5: Pond to 260 ft from outfall	240	2.8	270	1.2	660	6.0	510	10.4
Sediments: 260–420 ft from outfall	16 200	19.4	9800	4.5	550	0.5	70	0.1
Qbt_5: 260–420 ft from outfall	90	0.8	2	0.0	1	0.0	0	0.0
Sediments: More than 420 ft from outfall	10 300	13.9	9600	5.0	350	0.4	21	0.0

3.0 ALLUVIAL SYSTEM INVESTIGATION

3.1 Summary

This section describes those aspects of RFIs that have focused on the Cañon de Valle alluvial system. Also included in this report are supplemental data collected from previous ER project investigations. The investigations into the Cañon de Valle alluvial system can be divided into three categories:

- the 1994 investigation,
- the 1996 investigation, and
- the 1997/1998 phase II investigation.

These investigations were outlined in the RFI Report for PRSs in TA-16, 16-003(k) and 16-021(c) (LANL 1996, 55077, pp. 59 – 76), the Cañon de Valle Sampling Report (LANL 1996, 58712), and the TA-16 Material Disposal Area-P Closure Plan (LANL 1995, 58713, pp. 3-6 – 3-8).

The principal goals of these investigations were (1) to determine the chemical quality of surface sediments and water in the drainage channel of Cañon de Valle in support of the closure of MDA-P; (2) to bound the downstream extent of contamination from PRS 16-021(c) and other PRSs that drain into Cañon de Valle; (3) to identify COPCs and seasonal variations in the COPCs in the alluvial water; and (4) to use alluvial wells as monitoring wells to evaluate the effectiveness of future corrective actions at several locations, including the 90's Line, the silver outfall (PRS 16-020), MDA-R (PRS 16-019), and the TA-16-260 outfall (LANL 1996, 55077, p. 61).

Sampling in the Cañon de Valle alluvial system included collection of surface and subsurface sediments, three pairs of overbank sediment samples, filtered and unfiltered surface water, and one quarterly round of filtered and unfiltered alluvial well water. These samples were collected during three different investigations: 1994, 1996, and 1997/1998.

Barium is the most abundant inorganic COPC in sediments. For the surface samples, barium ranges from 6.3 mg/kg to 40 300 mg/kg. Other inorganics above the BVs include arsenic, cadmium, chromium, cobalt, copper, lead, manganese, mercury, selenium, silver, vanadium, zinc, and possibly antimony and cyanide. These are generally less than two times the BVs. Several types of HE were found at concentrations greater than the detection limits: the amino-dinitrotoluenes (A-DNTs), HMX, nitrobenzene, 3-nitrotoluene, RDX, TNB, and TNT. The two HE that were highest in abundance and concentration were are HMX and RDX. Their maxima were 170 mg/kg and 42 mg/kg, respectively. The highest RDX value comes from an overbank sample collected approximately 6200 feet below the 260 outfall/Cañon de Valle confluence. Two significant non-HE organics were detected: bis(2-ethylhexyl)phthalate and di-n-butylphthalate.

Surface water samples and water samples from the five alluvial wells were collected in Cañon de Valle. For the purpose of comparison, Peter Seep was grouped with the alluvial well water samples. Peter Seep may simply be the westernmost expression of the alluvial groundwater system, or it may be fed by one or more sources from the adjacent mesas. These data were also compiled from the three different investigations. Filtered/unfiltered sample pairs were collected in 1994 and 1997/98; primarily unfiltered samples were collected in 1996. The differences in concentration between the filtered and unfiltered samples are small.

The inorganics carried forward as COPCs in all waters were: antimony, barium, chromium, lead, magnesium, manganese, mercury, nickel, potassium, sodium, vanadium, and zinc. Barium appears to be the most abundant COPC in this list, with concentrations ranging from 99 µg/l to 16 000 µg/l. The greatest barium value was collected in alluvial well 16-2658, which is located just upstream from MDA-P. In fact, all the samples collected from the alluvial wells located in Cañon de Valle have barium concentrations higher than the surface water samples. However, these samples were collected in winter when flow in the canyon was very low, and the majority of the surface water samples were collected during higher flow conditions. As in the sediments, HE appears to be the other major contaminant in Cañon de Valle water. The HE identified were A-DNTs, HMX, nitrobenzene, 2-nitrotoluene, RDX, TNB, and TNT. RDX is the HE highest in concentration, with a maximum concentration of 818 µg/l in surface water. Very few of the non-HE organics exceeded their estimated quantitiation limits (EQLs) in water.

When considering Cañon de Valle, from Peter Seep to the confluence with Water Canyon, the data suggest that all contaminants decrease in concentration downgradient. However, when looking at the upper canyon in smaller scale, many of the COPC abundances fluctuate. These fluctuations could be attributed to contaminant sources other than the TA-16-260 outfall, larger sediment packages where COPCs accumulate, or temporal variability. Constituent transport in Cañon de Valle appears to be largely due to the input of Peter Seep, SWSC and Burning Ground Springs, and the input of surface runoff during precipitation events and snowmelt. No other discrete sources of water to this system have been identified.

In this report, the three data sets will be divided for discussion into the following four categories:

- surface sediments (3.4.2.1)
- alluvial BH sediments and Bandelier tuff (3.4.2.2)
- surface water (3.4.2.3)
- alluvial water (3.4.2.4)

3.2 Data Needs and Objectives

Phase I investigations at PRS 16-021(c), which were reported in the September 1996 RFI Report, confirmed high levels of contaminants in the TA-16-260 outfall and identified contaminated surface waters in Cañon de Valle (LANL 1996, 55077). The same report also provided a Phase II SAP in Section 5.2.11.

The objective of the Phase II investigation was to identify the nature and extent of identified COPCs in Cañon de Valle's surface and alluvial waters, as well as channel sediments. An additional objective of the investigation was to define the hydrogeologic characteristics of the alluvial system.

The decision to be made with the data collected during the alluvial investigation was identified in the following way: "if contamination in surface and alluvial water or sediments presents a current or future risk to human health and the environment under realistic exposure scenarios, then implement appropriate corrective action (interim action or remediation)" (LANL 1996, 55077, p. 61).

Specific sampling and analysis design elements for the alluvial investigations were delineated in Sections 5.2.11.2.5 Alluvial Wells, and 5.2.11.2.7 Sediment and Water Sampling in Cañon de Valle, of the Phase II SAP.

3.3 Scope of Phase II Sampling and Analysis (Alluvial Sediment, Surface Water, and Alluvial Wells)

The alluvial system investigation included sampling the drainage channel sediments, surface water, alluvium, and alluvial groundwater in Cañon de Valle. The investigation focused on an area extending from a small tributary to Cañon de Valle, referred to as the steam plant drainage, down drainage to the confluence of Cañon de Valle with Water Canyon. Figure 3.3-1 shows all sediment, surface water, alluvium and alluvial groundwater sampling points.

The majority of samples collected during the 1997/1998 Cañon de Valle investigation were sediment and alluvium samples. Surface water and shallow alluvial groundwater samples were also collected during the investigation. Alluvium and tuff BH samples were collected using hollow-stem auger drilling methods; all other samples were collected using hand-sampling methods. All alluvium samples were field-screened using DTech immunoassay/colorimetric field screening kits. All screening results can be found in Appendix E.

Daily QA/QC evaluations of the DTech explosive test kits were performed. RDX and TNT spiked PE samples were analyzed to evaluate DTech kit performance. The minimum detection limit of the DTech for RDX and TNT in soil is 0.5 mg/kg.

The investigation was conducted in accordance with the following work plans and standard operating procedures (SOPs):

- The Sampling and Analysis Plan in RFI Report for TA-16, PRS 16-021(c) (LANL 1996, 55077), except for deviations discussed in more detail below.
- Site-Specific Health and Safety Plan
- OU 1082 Waste Management Plan
- OU 1082 Quality Assurance Plan
- Data Quality Objectives and Sampling and Analysis Plans for Additional and/or Modified Sampling at OU 1082
- LANL LP 116-1.0, Stop Work and Restart
- LANL ER-SOP-1.01, General Instructions for Field Investigations
- LANL ER-SOP-1.02, Sample Containers and Preservation
- LANL ER-SOP-1.03, Handling, Packaging, and Shipping Samples
- LANL ER-SOP-1.04, Sample Control and Field Documentation

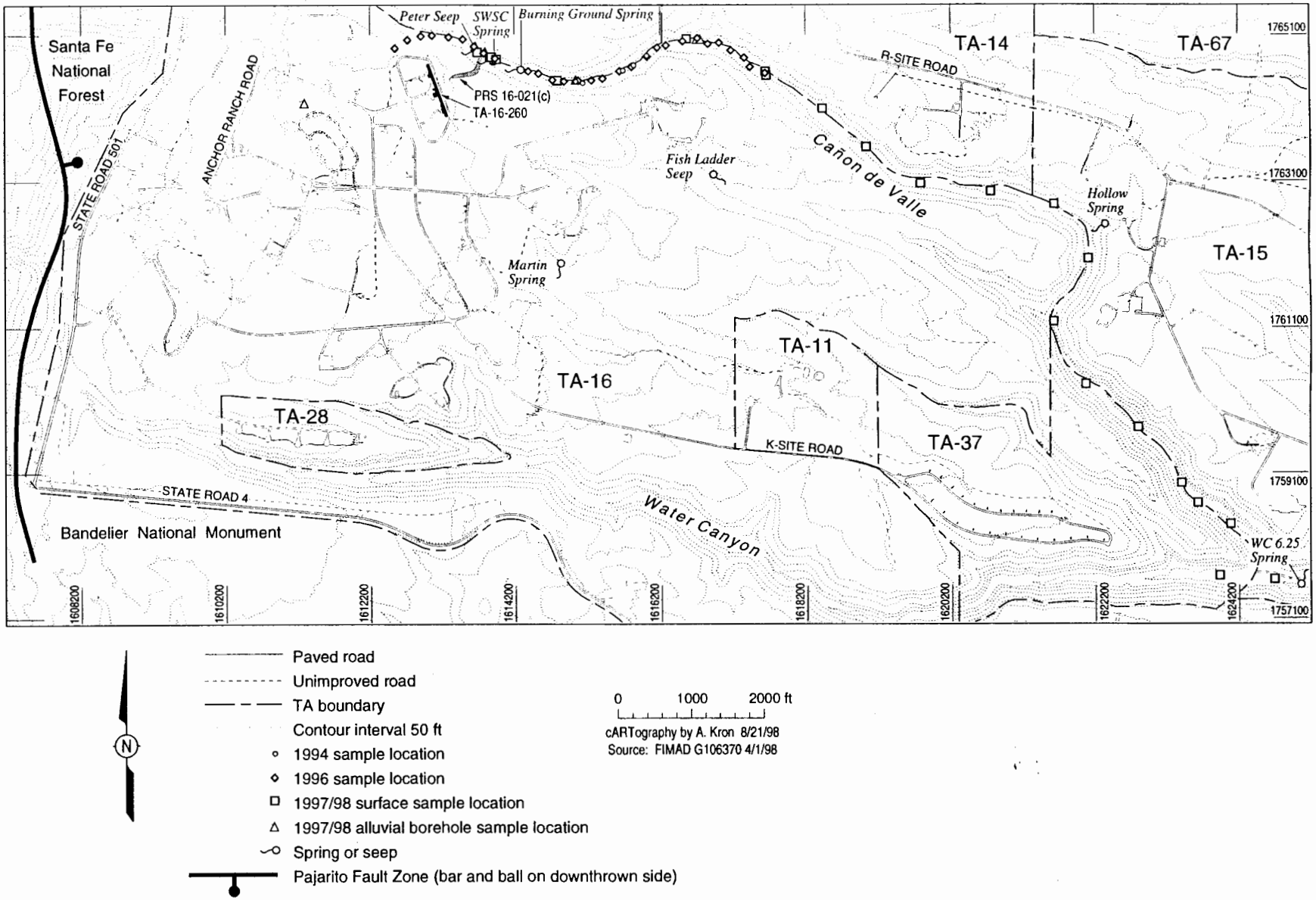


Figure 3.3-1. Sampling locations from 1994, 1996, and 1997/1998 investigations

- LANL ER-SOP-1.05, Field Quality Control Samples
- LANL ER-SOP-1-06, Management of RFI-Generated Waste
- LANL ER-SOP-1.07, Operational Guidelines for Taking Soil and Water Samples in Explosive Areas
- LANL ER-SOP-5.02, Well Development
- LANL ER-SOP-5.03, Management of ER Program Wastes
- LANL ER-SOP-6.13, Surface Water Sampling
- LANL ER-SOP-6.09, Spade and Scoop Method for Collection of Soil Samples
- LANL ER-SOP-6.10, Hand Auger and Thin-Wall Tube Sampler
- LANL ER-SOP 10.06, High Explosives Spot Test
- LANL Administrative Requirement 8-2, Hearing Conservation
- LANL Administrative Requirement 12-1, Personal Protective Equipment
- LANL Administrative Requirement 15-1, Field Work
- LANL ER-QAPP-06, Sampling Procedures
- LANL ER-QAPP-07, Sample Custody
- LANL ER-QAPP-08, Calibration Procedures and Frequency

3.3.1 Surface Sediment Sampling

Sediment samples were collected from the center of the Cañon de Valle drainage channel and from the overbank of the channel. In total, 12 centerline drainage channel and six overbank sediment samples were collected. Samples were analyzed at a fixed laboratory for HE and inorganics.

Overbank sediment samples were collected to augment samples previously collected in Cañon de Valle between MDA-R and a location 2500 ft below MDA-P. These samples were biased to three sample locations found to have elevated barium levels. Within the area of the elevated barium hits, a geomorphologic survey was conducted along the north and south banks of the channel to locate areas of fine-grained sediments deposited during historic flooding events.

Drainage channel sediment samples were collected in Cañon de Valle at 1000-ft intervals starting approximately 5025 ft downgradient from MDA-P and terminating at the first point beyond the confluence of Cañon de Valle with Water Canyon (see Figure 3.3-1).

Field screening for HE was performed on all sediment samples. HE field screening consisted of the HE spot test performed on location immediately following sample collection, and RDX and TNT sensitive immunoassay/colorimetric screening performed at the command post using DTech kits.

The sediment sampling effort was conducted during December 1997 and January 1998. ICF Kaiser personnel implemented all sediment sampling activities.

3.3.1.1 Deviations

Due to the shallow water depth or the absence of water in the Cañon de Valle drainage channel, the sediment samples were collected in accordance with LANL ER-SOP-06.09, Spade and Scoop Method for Collection of Soil Samples. The RFI Phase II SAP specified the use of LANL ER-SOP-06.14, Sediment Material Collection. This deviation does not impact data quality, nor the SAP objectives.

3.3.2 Alluvial BH Sediment and Bandelier Tuff Sampling

Six alluvial BHs were drilled during the Cañon de Valle investigation. Screening samples were collected every five feet for the entire drilled length of each BH. Two analytical samples were collected from each BH; due to the minimal depth of alluvium in the investigation area, samples were selected based on specified default sampling depths. All BHs were geologic logged in the field. The total footage drilled during the investigation was 59.3 ft. Ten screening samples and eight fixed laboratory samples were collected. All laboratory samples were analyzed for HE, VOCs, SVOCs, and inorganics.

The Cañon de Valle BHs are approximate locations proposed in the Phase I RFI report. Representatives from the technical team and the DOE Oversight Bureau determined the exact well locations during a field survey. BH 16-2655 is located in the steam plant drainage near the location of the removed 90s Line structures. BH 16-2656 is located just upstream from MDA-R, 10 ft north of the Cañon de Valle drainage channel. BH 16-2657 is located between MDA-R and the intersection of the 260 outfall drainage channel/Cañon de Valle confluence approximately six ft south of the Cañon de Valle drainage channel. BH 16-2658 is located between the Burning Ground Spring drainage channel/Cañon de Valle confluence and MDA-P approximately five feet south of the drainage channel. BH 16-2659 is located down drainage from MDA-P approximately seven feet south of the Cañon de Valle drainage channel; BH 16-2660 is located approximately 15 ft west of BH 16-2659.

All drilling operations were performed with a CME 750 drill rig. The alluvial BHs were drilled to total depth using 4.25-in. hollow-stem augers equipped with stainless-steel split spoon samplers. A proprietary carbide button-cutter-head developed by Stewart Brothers was used to increase the performance of the auger system in highly consolidated material. A drive sampler was used to capture intact sample in situations where the normal auger method could not recover adequate sample material. Drill cuttings were collected in 1 cubic yard plastic bags.

Field screening for HE was typically performed on the deepest one-foot segment of each five-foot core interval for the BH samples. HE field screening consisted of the HE spot test, performed on location immediately following sample collection, and RDX and TNT sensitive immunoassay/colorimetric screening performed at the command post using DTech kits.

The drilling phase of the Cañon de Valle investigation began September 15, 1997, and ended in November 1997. Field activities were typically conducted Monday through Friday from 0800 until 1700. ICF Kaiser and Stewart Brothers Drilling Company personnel drilled the alluvial BHs and collected the subsurface alluvium and tuff samples.

3.3.2.1 Deviations

Several deviations from the original RFI Phase II Sampling and Analysis Plan were implemented through the course of the Cañon de Valle subsurface investigation. The majority of deviations were an expansion of the investigation scope and, therefore, enhanced the resolution of investigation objectives. Other deviations occurred due to unexpected field conditions that prevented the explicit implementation of planned sampling protocol. Many of these deviations were discussed with Administrative Authority personnel during periodic meetings (Hickmott 1997, 58849).

The RFI Phase II report did not address the subsurface sampling criteria for the alluvial BHs. The technical team established sampling criteria for the Cañon de Valle investigation as an expansion of the PRS 16-021(c) RFI Phase II Sampling and Analysis Plan. The additions and modifications to the sampling plan are documented in a project memo (Hickmott 1997, 58849).

The technical team specified that all BHs were to be continuously cored and sampled on two-foot intervals. All samples were to be field screened for RDX and TNT using the DTech immunoassay kits. All samples, up to a maximum of three, that were contaminated with HE based on field screening were to be submitted for fixed laboratory analysis. If more than three samples were contaminated with HE, then the decision team was to determine the subset of samples for off-site analysis. If HE was not detected in any of the screening samples, lithology was to be used to bias the selection of lab samples. In the absence of lithologic indicators, then two samples for off-site analysis were to be collected, one from the soil/tuff interface and one from a depth of five feet. However, due to limited recovery, samples were collected as material was available. HE, inorganic, SVOC, and VOC analyses were specified for all fixed laboratory samples.

The sampling and analysis plan specified that as many as five alluvial BHs were to be installed in Cañon de Valle. An additional (sixth) alluvial BH, BH 16-2660, was drilled 15 ft west of BH 16-2659. The technical team decided to add this alluvial well in order to perform a two-well pump test between monitoring well (MW) 16-2659 and MW 16-2660. This information will be used to determine parameters of the alluvial groundwater system. Note that samples were not specified for, nor collected from, BH 16-2660.

BH 16-2656 was drilled approximately 2.5 ft into tuff to a total depth of 9.2 ft; therefore, the BH was not drilled 5.0 ft into tuff as specified in the RFI Phase II SAP. The hollow-stem auger drilling method was incapable of penetrating any deeper into the densely welded Bandelier Tuff encountered at this location. In addition, only one analytical sample was collected from this BH due to the poor recovery of material.

BH 16-2657 was drilled 4.1 ft into tuff to a total depth of 9.1 ft; therefore, the BH was not drilled 5.0 ft into tuff as specified in the RFI Phase II SAP. The hollow-stem auger drilling method was incapable of penetrating any deeper into the densely welded Bandelier Tuff encountered at this location. In addition, only one analytical sample was collected from this BH due to the poor recovery of material.

BH 16-2659 was drilled approximately 4.2 ft into tuff to a total depth of 10.0 ft; therefore, the BH was not drilled 5.0 ft into tuff as specified in the RFI Phase II SAP. The hollow-stem auger drilling method was incapable of penetrating any deeper into the densely welded Bandelier Tuff encountered at this location.

3.3.3 Surface Water Sampling

Surface water samples were collected from the Cañon de Valle drainage channel simultaneously with the sediment sampling effort. Three filtered/unfiltered sample pairs (six samples in total) were collected. Samples were analyzed at a fixed laboratory for HE and inorganics.

The surface water samples were collected at three locations in Cañon de Valle on 1000-ft intervals starting approximately 5025 ft below MDA-P.

The surface water sampling effort was conducted during December 1997, and January 1998. ICF Kaiser personnel implemented all surface water sampling activities. Climatic conditions encountered during sampling were typical of winter on the Pajarito Plateau. Samples were collected during base flow conditions. In the future, surface water samples will be collected during different flow regimes, such as post-monsoon and snowmelt.

Water samples were normally field screened for temperature, conductivity, and pH at the time of sample collection. Note that field screening for HE was not performed on the water samples.

3.3.3.1 Deviations

Surface water did not persist along the entire length of the investigation area in the Cañon de Valle drainage channel at the time of the surface water sampling effort. Therefore, water samples were collected from only three locations below site ID 16-2778. The SAP specified that surface water samples were to be collected along the entire length of the Cañon de Valle drainage channel terminating at a point below the Cañon de Valle/Water Canyon confluence.

Field analysis of pH was not performed on all surface water samples due to periodic malfunctions of the field instrument(s). The pH data is relevant to geochemical interpretations of the Cañon de Valle alluvial system; it is not used in interpreting the analytical COPC data.

3.3.4 Alluvial Water Sampling

The six alluvial BHs were completed as monitoring wells during the subsurface investigation in Cañon de Valle. Quarterly alluvial groundwater sampling was initiated in December 1997. Water levels in the alluvial BHs have been measured weekly since their installation, access permitting. Data from one round of quarterly groundwater samples from the completed alluvial wells returned prior to this report. Four filtered and unfiltered sample pairs (8 samples in total) were collected; the samples were analyzed for HE, VOCs, SVOCs, inorganics, water quality parameters, bromide, nitrates/nitrites, and tritium. The tritium analyses have not yet been received.

BHs 16-2655, 16-2657, 16-2658, 16-2659, and 16-2660 were reamed out with 8.5-in. augers to create a large (12-in. diameter) annular space for well construction. Four-inch prepacked (6.5-in. outside diameter) polyvinyl chloride (PVC) wells were installed in the large diameter holes. BH 16-2656 could not be reamed out with the large augers due to the competence of the formation at this BH location. A two-in. prepacked well was installed instead.

The Cañon de Valle alluvial wells are constructed with five-foot prepacked PVC well screen and PVC blank casing. The well screen slot-size is 0.010 in.; the prepacked sections are filled with 30-70 silica sand. The remaining annular space outside the prepacked screen is filled with 20-70 sand. All wells are sealed with a

bentonite plug. The surface completion consists of a bentonite and concrete surface seal and pad and a steel well vault. The alluvial wells were developed using a combination of surging, pumping, and bailing in accordance with standard operating procedures, except where noted in Section 3.3.4.1. The wells were sampled using a bailer and peristaltic pump in accordance with standard operating procedures, except where noted in Section 3.3.4.1

Groundwater samples were normally field screened for temperature, conductivity, and pH at the time of sample collection. Note that field screening for HE was not performed on the water samples.

The groundwater sampling effort was conducted during December 1997, and January 1998. ICF Kaiser personnel implemented all sampling activities.

3.3.4.1 Deviations

Several deviations from the original RFI Phase II SAP were implemented through the course of the Cañon de Valle alluvial subsurface investigation. The majority of deviations were actually expansions of the investigation scope and, therefore, enhanced the resolution of investigation objectives. Other deviations occurred due to unexpected field conditions that prevented the explicit implementation of planned sampling protocol.

MW 16-2655 and MW 16-2657 were not developed as specified in LANL ER-SOP-5.02, Well Development, due to the slow rate of recharge (greater than 24 hrs) encountered at these wells. The wells were surged and one well volume of water was removed from each well. MW 16-2655 was surged and one well volume was bailed on two subsequent occasions: at 48 hours and 216 hours following the first bailing.

The filtered and unfiltered samples were collected from the standing well volume in MW 16-2655 24 hrs after the third surge and bail sequence. MW 16-2657 did not recover during the sampling period and, therefore, was not sampled prior to this report.

Nitrite, nitrate, and tritium analyses were added to the aliquot list for the alluvial groundwater samples described in the RFI Phase II SAP. However, the tritium results have not been received yet. In addition, SVOC aliquots were collected during the first quarter of alluvial groundwater sampling.

Field analysis of pH was not performed on all groundwater samples due to periodic malfunctions of the field instrument(s). The pH data is relevant to geochemical interpretations of the Cañon de Valle alluvial system; it is not used in interpreting the analytical COPC data.

3.4 Results

3.4.1 Data Quality Assessment

The alluvial water and sediment data collected in and around Cañon de Valle involves a large volume of data, covering a time span of four to five years. Many different analyses were performed on the data and many different laboratories conducted the analyses. As a result there are some differences in data quality for subsets of the data. The data is divided into three data subsets: 1994 sampling effort data, 1996 sampling effort data, and Phase II investigation data from 1997–98. In addition, some data from 1971 and 1989, described in the RFI Workplan for OU 1082 (LANL 1993, 20948), will be used for describing qualitative trends. However, this data is not of sufficient quality to be used quantitatively.

All analytical samples from the 1996 sampling effort data set and all but one request number from the Phase II investigation data set were sent for fixed laboratory analysis at commercial analytical laboratories. The 1994 sampling effort data set was analyzed by an in-house LANL analytical laboratory. Most, but not all, samples were sent through baseline validation. Non-validated data is noted with an "nv" qualifier. Non-standard analytical suites that were not validated include: anions, nitrates, nitrites, and water quality parameters. Some samples received focused validation as necessary. In total, 77 request numbers and 127 analytical samples were analyzed.

3.4.1.1 1994 Sampling Effort

The 1994 sampling effort data set consists of nine request numbers and 18 samples. The data set is adequate for the purposes of this report, but the useability of this data set is more limited than the two later ER data sets. All HE results for the 1994 sampling effort data have detection limits higher than the EQL. This is due to the fact that the analysts used a larger volume of the sample during analysis and the salting-out step of the standard extraction was not taken. In addition, all these data did not have surrogate or spike data available. The qualifiers placed on the data by the analytical laboratory were accepted during baseline validation as adequate to describe this data. As a result, this data should be used with caution. The SVOC results had no QC issues associated with them. Both VOC analyses had acetone detected in them and attributed to laboratory contamination. Of the two analyses for inorganic chemicals, samples associated with one request number were never validated. In the other request number, mercury results were rejected due to the samples grossly exceeding the 28-day holding time by 57 days. All remaining inorganic results were acceptable. The results for radionuclides detected by gamma spectroscopy were generally acceptable, although the detection limit for Americium -241 was elevated in the results associated with one request number. Americium-241 is not expected to be a contaminant at this site, so there is no effect on the data use. Because the data from the 1994 sampling effort mirrors similar contamination problems seen in the better and more current data, there don't appear to be major flaws in the data. However, the 1994 sampling effort data should be used with the limitations listed above as reflected in the qualifiers.

3.4.1.2 1996 Sampling Effort

The 1996 sampling effort data set consists of seven request numbers and 58 samples. The data are useable for the purposes of this report. The SVOC results have few QC problems. Bis(2-ethylhexyl)phthalate and di-n-butyl phthalate were present in some samples and were qualified as undetected due to laboratory contamination. Some of these compounds were at levels attributable to source contamination. Phthalates are ubiquitous anthropogenic chemicals. The VOC analyses exceeded their 7-day holding time by less than a week. The results were qualified as PM (see Glossary in Appendix A for the definition of PM). However, the US EPA Contract Laboratory Program (CLP) National Functional Guidelines for Organic Data Review indicate that a 14-day holding period prior to VOC analysis is acceptable for properly preserved samples (EPA 1994, 48639). The inorganic results had QC issues associated with them, although the issues were not serious or unexpected. One request had poor duplicate recovery for chromium, manganese, barium, and zinc, causing these results to be considered estimated. The spike results were outside the acceptable range for manganese, antimony, nickel, and cyanide, causing the data to be qualified as J+, J-, or UJ (see the Glossary in Appendix A for definitions), depending upon detection status and spike result.

The two most significant issues involving the 1996 sampling effort data are associated with HE and natural uranium analyses. The HE results were affected by two different QC issues. The samples in one request number had results of the laboratory control sample (LCS) lower than expected for a majority of the compounds. This affects the results in that the LCS represents a "perfect sample." Poor performance with a perfect sample implies poor performance with a normal sample. The results in this request were qualified as J- or UJ and should be used with consideration of the low bias. In another request, the water samples exceeded their holding time. Some HE compounds were detected in the sample, despite the long holding time, 19 days beyond the maximum 14 days. Detected compounds were qualified as J-, indicating that the holding time issue may have the effect of decreasing the detectable HE concentration. Non-detected HE were UJ-qualified. These data should be used with consideration of the low bias. One analysis for uranium was conducted by kinetic phosphorescence (KPA), which tends to bias the data in the low direction. The bias can be as large as a factor of 2–4. Results obtained with KPA should be considered possibly biased. As a result of the large bias, KPA uranium data is of limited useability. A complete discussion of KPA is found in Appendix C.

3.4.1.3 Phase II Investigation

The quality of the 1997–98 Phase II investigation data set is similar to that of the 1996 sampling effort data and has similar limitations of its usability. This data set had few significant quality problems. The SVOC data had few quality issues associated with it, as did the VOC data. The SVOC data had one request with bis (2-ethylhexyl) phthalate contamination and one SVOC request number contained the only rejected results in this data set. The sample results were rejected because of low surrogate recovery, implying that compounds in the sample were not adequately quantified. Laboratory contamination by acetone and methylene chloride, common analytical solvents, was the most common problem for VOC analysis. Eight requests for VOC analysis exceeded the recommended 7-day holding period. However, the US EPA CLP National Functional Guidelines for Organic Data Review indicate that a 14-day holding period prior to VOC analysis is acceptable for properly preserved samples (EPA 1994, 48639). If holding times were exceeded by less than a week, data were not qualified. In one case, holding times were exceeded by more than a week and the data were J-qualified. One VOC request had J qualifiers and UJ qualifiers applied to it because surrogate recoveries were high for one sample and one internal standard was low for a few samples. Overall, there were very few qualifiers applied to the SVOC and VOC data. There was little effect on the data because so few of these compounds were detected in these samples.

HE is a major contaminant at this site. There were few QC problems associated with the Phase II investigation HE data set. Samples in one request number exceeded holding times by only one day. These data were not qualified due to this slight error. Sample 0316-97-3104 in request 3745R exceeded holding times by 17 days and detected results were qualified as J-. The original analysis had unacceptable QC problems associated with it. By the time the sample could be reanalyzed, the holding time had been exceeded. Given that the QC problems were absent from the second analysis, the second set of results was accepted with qualification that detected compounds could have a low bias associated with them. Request number 3909R had QC problems associated with the LCS, which caused detected results to be qualified as estimated with an upward bias. This effectively provides an upper bound on the HE contamination at that site, which is sufficient for the purposes of this report. Therefore, this problem had little impact on the data use. The HE data in this data set had few QA/QC issues associated with it.

The inorganic results had QA/QC issues related to poor matrix spike results and poor duplicate recovery results. Spike results indicate how well the analytical procedure can recover and quantify an analyte in a

sample. Duplicate results give an indication of the precision of the method. Duplicate results were poor in five request numbers and most frequently affected zinc, manganese, and lead, causing these results to be considered estimated. Spike recovery was poor in eight requests and most frequently affected antimony, selenium, and arsenic. These elements commonly have poor spike recoveries using SW-846 method 3005/6010. Antimony recovery was very poor in request number 4045R, causing antimony results to be rejected. The one radionuclide analysis for isotopic uranium did not have the full complement of conventional QA/QC results because of insufficient sample. These results were accepted based on the available QA/QC results and laboratory qualifiers. Overall, the inorganic results had the most widespread QA/QC problems, but these problems are not unexpected. Aside from the rejected antimony results, the QA/QC issues had a minimal impact on the data.

3.4.1.4 Summary

No rejected data or unvalidated data was used for decision-making purposes in this report. All data are useable with the limitations placed on it due to the relevant qualifiers.

Because this site is known to be contaminated, it has been heavily sampled for many years. Unfortunately, the data collected during the 1994 sampling effort is of limited useability relative to current data. This limits the accuracy of comparisons made over time, although those kinds of comparisons are inherently limited in their accuracy due to the nature of this site and the samples collected. This site is known to be contaminated with HE. There were few QA/QC issues that impacted the HE data. There also were no significant QA problems associated with non-HE organic analyses. Barium, a component of HE, is an important and known inorganic contaminant at this site. Thirty-one sediment samples associated with request 2609 had barium results qualified as estimated. No other barium results had QA problems associated with them. Other important inorganic chemicals had qualifiers applied to them due to QA/QC issues, although this did not significantly limit their usability for decision-making purposes. In general, the inorganic results had no unexpected QA problems associated with them. Overall, the results in this data set vary in their useability from the older data to the recent data, although all results are adequate to support the decisions in this report.

A detailed description of the data quality assessment for all data presented in this report can be found in Appendix C.

3.4.2 Analytical Data Presentation

Data from Cañon de Valle is presented in four groups in this section. Results from samples collected in surface sediments are reported in Section 3.4.2.1. The subsurface sediment/Qbt data collected while drilling the alluvial wells is in Section 3.4.2.2. The surface water data that generally corresponds to the surface sediment data is presented in Section 3.4.2.3. Lastly, the alluvial water data from the alluvial wells and the two seeps is reported in Section 3.4.2.4. These four groups include data from the three sampling campaigns. Table 3.4-1 presents all sample locations and distances from the TA-16-260 outfall. Figure 3.4-1 identifies all of the sampling locations, and serves as an index to maps showing contaminant data.

Table 3.4-1
Sample Locations from all campaigns and all media in Cañon de Valle

Location ID	Distance from the TA-16-260 Outfall (ft)[a]
16-1001	1300
16-1002	1400
16-1003	1500
16-1004	1950
16-1005	2125
16-1006	2350
16-2653[b]	–20
16-2654[c]	N/A[d] (Fish Ladder Seep)
16-2655	–1830
16-2656	–10
16-2657	140
16-2658	1620
16-2659	3110
16-2670	5025
16-2671	5625
16-2672	6325
16-2673	7070
16-2674	7790
16-2675	8500
16-2676	9850
16-2677	10 280
16-2678	10 950
16-2679	11 850
16-2680	13 100
16-2681	13 700
16-2682	245
16-2683	240
16-2684	1050
16-2685	1050
16-2686	4180
16-2687	4185
16-2688	2975
16-2689	7400
16-2690	300

Location ID	Distance from the TA-16-260 Outfall (ft)
16-2747	1530
16-2748	2200
16-2749	–1120
16-2750	–1000
16-2751	–750
16-2752	–650
16-2753	–410
16-2754	–250
16-2755	–30
16-2756	130
16-2757	280
16-2758	500
16-2759	650
16-2760	800
16-2761	1000
16-2762	1175
16-2763	1350
16-2764	1500
16-2765	1675
16-2766	1900
16-2767	2100
16-2768	2300
16-2769	2550
16-2770	2675
16-2771	2900
16-2772	3100
16-2773	3275
16-2774	3400
16-2775	3600
16-2776	3800
16-2777	3975
16-2778	4175
36-10029	N/A (Water Canyon)
36-10030	12 600

[a] A negative value indicates distance upstream of the TA-16-260 outfall.

[b] Peter Seep.

[c] Fish Ladder Seep.

[d] N/A = Not applicable.

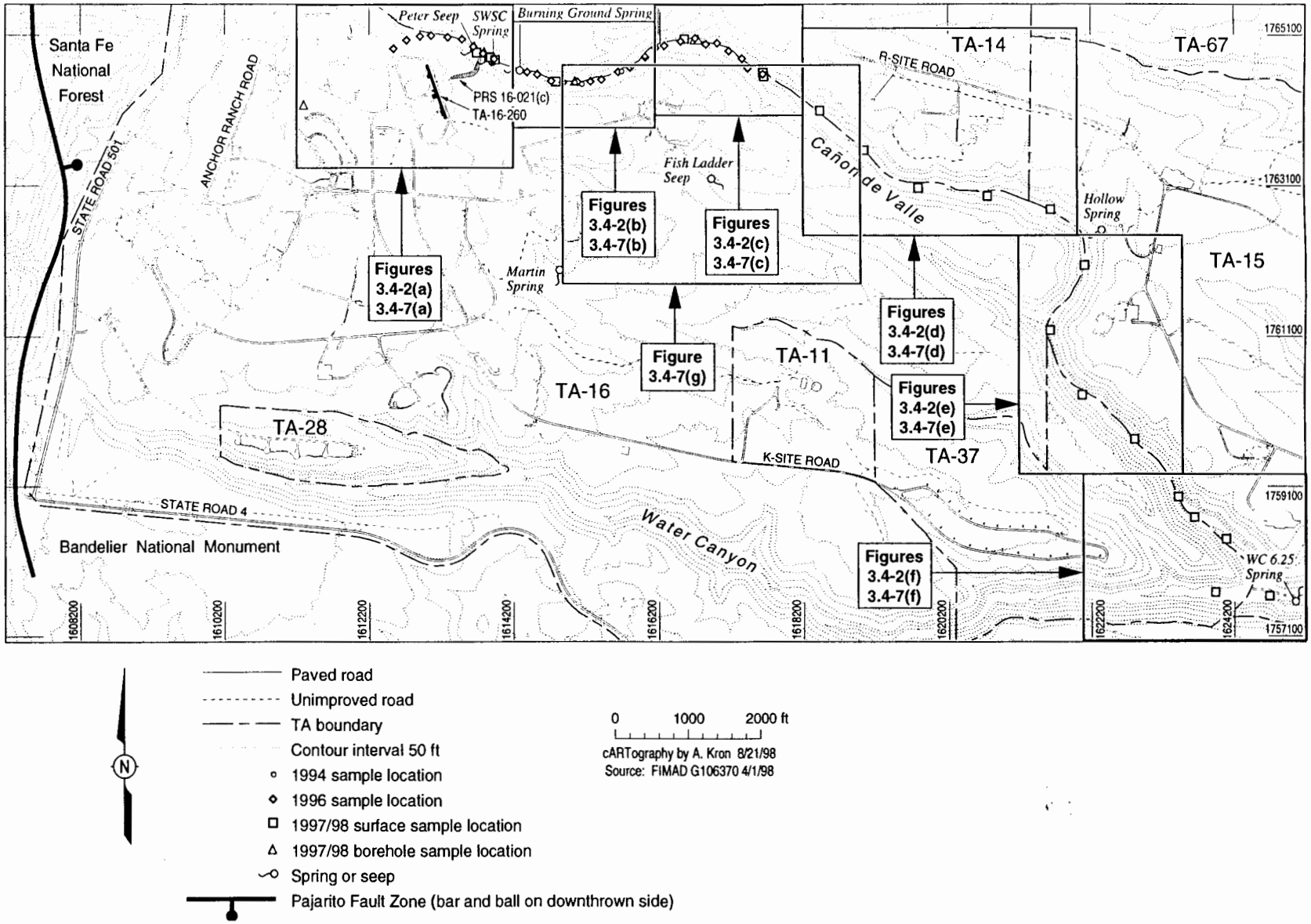


Figure 3.4-1. Index to maps showing contamination and location of samples collected during the three investigations

3.4.2.1 Surface Sediments

A total of 49 sediment samples were collected in the center of the Cañon de Valle creek bed. Three pairs of phase II overbank sediments were collected in the area of locations 16-2757, 16-2761, and 16-2778. These sample locations were biased toward high barium concentrations from the 1996 campaign. Included in the following discussion are data from the 1994, 1996, and 1997/98 campaigns. Request numbers for these laboratory samples are provided in Table 3.4-2. A geomorphologic survey was also used to choose locations with thick sediment packages. The fine-grained sediments in Cañon de Valle are relatively thick in the upper portions of the canyon, then thin significantly down canyon. The sediments in Cañon de Valle predominately consist of fine-grained silts and clays with intermixed sands and cobbles. Occasionally, there are clean sand packages and a few large boulder bars (20+ ft long). Figure 3.4-2 (a–f) identifies the analytes with contaminant concentrations that exceed BVs. However, the BH data at 16-2655, 16-2656, 16-2657, 16-2658, and 16-2659 are discussed in section 3.4.2.2.

3.4.2.1.1 Evaluation of Inorganic Chemicals

Arsenic, barium, cadmium, calcium, chromium, cobalt, copper, cyanide, iron, lead, manganese, mercury, nickel, nitrogen, selenium, silver, thallium, vanadium, and zinc were found above the background values (Tables 3.4-3[a] and [b]). Antimony was not detected although the detection limit is above the background values. Complete analytical data for inorganic analyses of the Cañon de Valle alluvial sediments are provided in Appendix I. Validation results for these data are summarized in Appendix C. The data quality assessment is discussed in Section 3.4.1. Of the inorganics mentioned above, arsenic, antimony, barium, chromium, cyanide, lead, manganese, and zinc were qualified based on data quality issues. Barium was above the sediment background values for almost all of the samples collected. The highest value of 40 300 mg/kg is located approximately 150 ft from the outfall/canyon intersection in a ponded area. The data suggest a decrease in concentration down canyon with scattered high values (less than 15 000 mg/kg has been deposited), in the vicinity of MDA-P (see Figure 3.4-3). Other barium "jumps" occur in areas where very fine sediment has been deposited. This is evident in the sediment trap where a center channel sample and a pair of overbank samples were collected at locations16-2778, 16-2686, and 16-2687. The barium value for the southern overbank sample was the highest of the three pairs at 14 300 mg/kg, indicating a historic flood event that may have deposited this high concentration. Mercury was found above the detection limits only in the data from 1994 and 1996. It ranged in concentrations from 0.1 mg/kg to 0.39 mg/kg. Mercury is not historically or currently known to be used in any process occurring at TA-16-260. Silver is also detected (1.3 mg/kg to 15.1 mg/kg) in many of the canyon sediments. The presence of silver is likely attributed to the photoprocessing chemicals released down the TA-16-222 outfall that feeds into Cañon de Valle above the TA-16-260 outfall. The other metals (arsenic, chromium, copper, iron, lead, manganese, nickel, selenium, thallium, vanadium, and zinc) also appear to decrease down canyon. Figure 3.4-4(a–c) shows trends in barium, cobalt, copper, lead, and manganese. Table 3.4-4 summarizes those inorganic chemicals appearing in Tables 3.4-3(a) and (b) that are carried forward as a COPC.

Table 3.4-2
Summary of Laboratory Samples Taken and Request Numbers in Cañon de Valle Surface Sediments

Location ID	Sample ID	Depth Start (in.)	Depth End (in.)	Media	VOCs[a]	SVOCs[b]	Inorganic Chemicals	Radio-nuclides	Nitrates	HE
16-1001	AAB1609	0	6	SED[c]	17265	NA[d]	17473	NA	NA	17254
16-1002	AAB1610	0	6	SED	17265	NA	17473	NA	NA	17254
16-1003	AAB1611	0	6	SED	17265	NA	17473	NA	NA	17254
16-1004	AAB1612	0	6	SED	17265	NA	17473	NA	NA	17254
16-1005	AAB1613	0	6	SED	17265	NA	17473	NA	NA	17254
16-1006	AAB1614	0	6	SED	17265	NA	17473	NA	NA	17254
16-2670	0316-97-0440	0	6	SED	NA	NA	4004R[e]	NA	NA	4003R
16-2671	0316-97-0441	0	6	SED	NA	NA	4004R	NA	NA	4003R
16-2672	0316-97-0442	0	6	SED	NA	NA	4004R	NA	NA	4003R
16-2673	0316-97-0443	0	6	SED	NA	NA	4004R	NA	NA	4003R
16-2674	0316-97-0444	0	6	SED	NA	NA	4004R	NA	NA	4003R
16-2675	0316-97-0445	0	6	SED	NA	NA	4045R	NA	NA	4044R
16-2676	0316-97-0446	0	6	SED	NA	NA	4045R	NA	NA	4044R
16-2677	0316-97-0447	0	6	SED	NA	NA	4045R	NA	NA	4044R
16-2678	0316-97-0448	0	6	SED	NA	NA	4045R	NA	NA	4044R
16-2679	0316-97-0449	0	6	SED	NA	NA	4045R	NA	NA	4044R
16-2680	0316-97-0458	0	6	SED	NA	NA	4045R	NA	NA	4044R
16-2681	0316-97-0459	0	6	SED	NA	NA	4045R	NA	NA	4044R
16-2682	0316-97-0470	0	6	SED	4076R	4076R	4078R	NA	NA	4077R
16-2683	0316-97-0471	3	9	SED	4076R	4076R	4078R	NA	NA	4077R
16-2684	0316-97-0472	3	9	SED	4076R	4076R	4078R	NA	NA	4077R
16-2685	0316-97-0473	3	9	SED	4076R	4076R	4078R	NA	NA	4077R
16-2686	0316-97-0474	3	12	SED	4076R	4076R	4078R	NA	NA	4077R
16-2687	0316-97-0475	0	6	SED	4076R	4076R	4078R	NA	NA	4077R
16-2749	0816-96-0060	0	6	SED	NA	2608	2609	2610	NA	2613
16-2750	0816-96-0061	0	6	SED	NA	2608	2609	2610	NA	2613
16-2751	0816-96-0062	0	6	SED	NA	2608	2609	2610	NA	2613
16-2752	0816-96-0063	0	6	SED	NA	2608	2609	2610	NA	2613
16-2753	0816-96-0064	0	6	SED	NA	2608	2609	2610	NA	2613
16-2754	0816-96-0065	0	6	SED	NA	2608	2609	2610	NA	2613
16-2755	0816-96-0066	0	6	SED	NA	2608	2609	2610	NA	2613
16-2756	0816-96-0067	0	6	SED	NA	2608	2609	2610	2609	2613
16-2757	0816-96-0068	0	6	SED	NA	2608	2609	2610	2609	2613
16-2758	0816-96-0069	0	6	SED	NA	NA	2609	2610	2609	2613
16-2759	0816-96-0070	0	6	SED	NA	2608	2609	2610	2609	2613
16-2760	0816-96-0071	0	6	SED	NA	2608	2609	2610	2609	2613
16-2761	0816-96-0072	0	6	SED	NA	2608	2609	2610	2609	2613
16-2762	0816-96-0073	0	6	SED	NA	2608	2609	2610	2609	2613
16-2763	0816-96-0074	0	6	SED	NA	2608	2609	2610	2609	2613
16-2764	0816-96-0075	0	6	SED	NA	2608	2609	2610	2609	2613
16-2765	0816-96-0076	0	6	SED	NA	2608	2609	2610	2609	2613
16-2766	0816-96-0077	0	6	SED	NA	2608	2609	2610	2609	2613

Table 3.4-2 continued

Location ID	Sample ID	Depth Start (in.)	Depth End (in.)	Media	VOCs[a]	SVOCs[b]	Inorganic Chemicals	Radio-nuclides	Nitrates	HE
16-2767	0816-96-0078	0	6	SED	NA	2608	2609	2610	2609	2613
16-2767	0816-96-0079R[e]	0	6	SED	NA	2608	2609	2610	2609	2613
16-2768	0816-96-0080	0	6	SED	NA	2608	2609	2610	2609	2613
16-2769	0816-96-0081	0	6	SED	NA	2608	2609	2610	2609	2613
16-2770	0816-96-0082	0	6	SED	NA	2608	2609	2610	2609	2613
16-2771	0816-96-0083	0	6	SED	NA	2608	2609	2610	2609	2613
16-2772	0816-96-0084	0	6	SED	NA	2608	2609	2610	2609	2613
16-2773	0816-96-0085	0	6	SED	NA	2608	2609	2610	2609	2613
16-2774	0816-96-0086	0	6	SED	NA	2608	2609	2610	2609	2613
16-2775	0816-96-0087	0	6	SED	NA	2608	2609	2610	2609	2613
16-2776	0816-96-0088	0	6	SED	NA	2608	2609	2610	2609	2613
16-2777	0816-96-0089	0	6	SED	NA	2608	2609	2610	2609	2613
16-2778	0816-96-0090	0	6	SED	NA	2608	2609	2610	NA	2613

[a] VOCs = Volatile organic compounds.
[b] SVOCs = Semivolatile organic compounds.
[c] SED= Sediment.
[d] NA = Not analyzed.
[e] R = Field replicate.

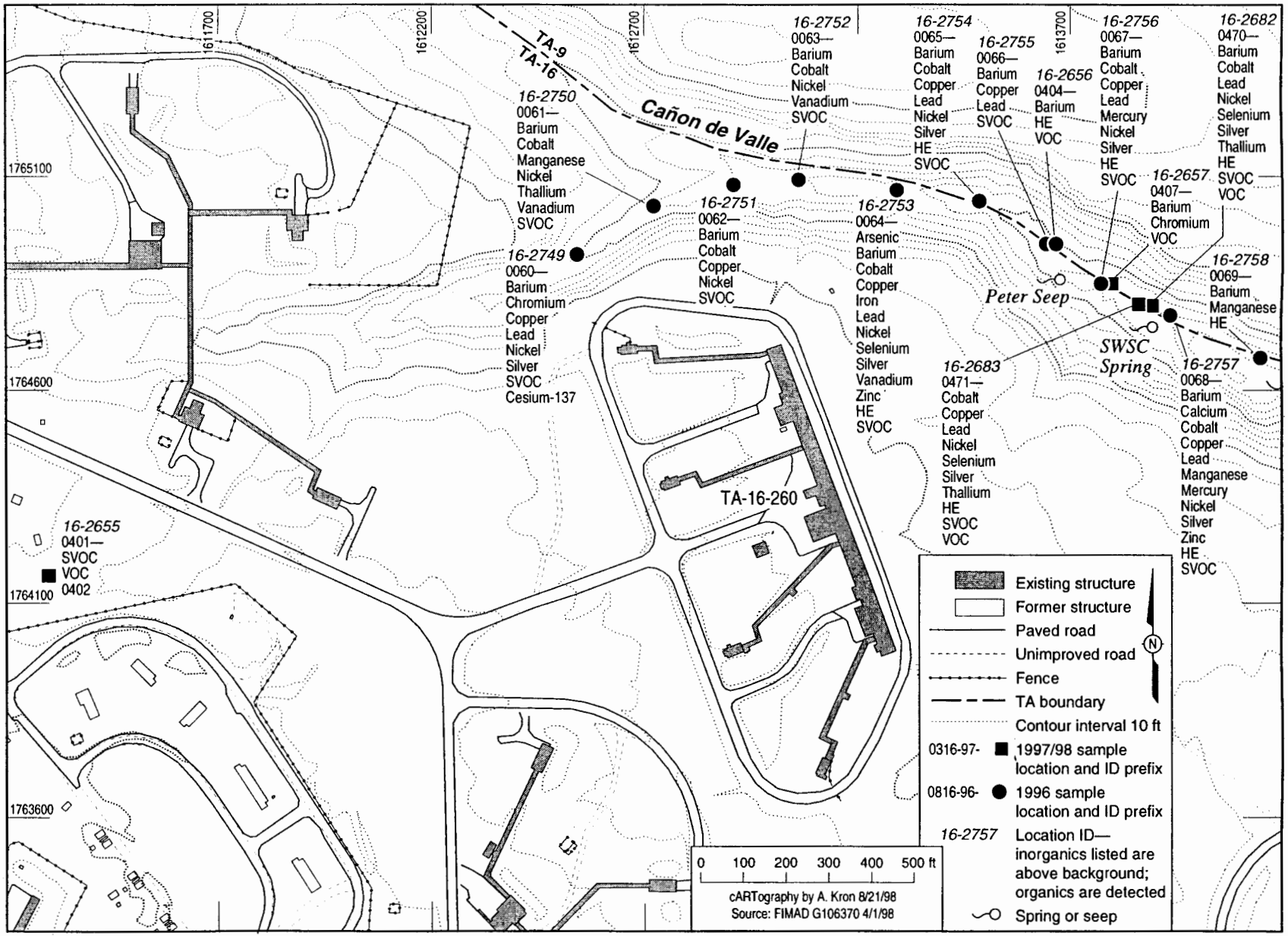


Figure 3.4-2(a). Location map for Cañon de Valle sediment/tuff samples showing contaminant data

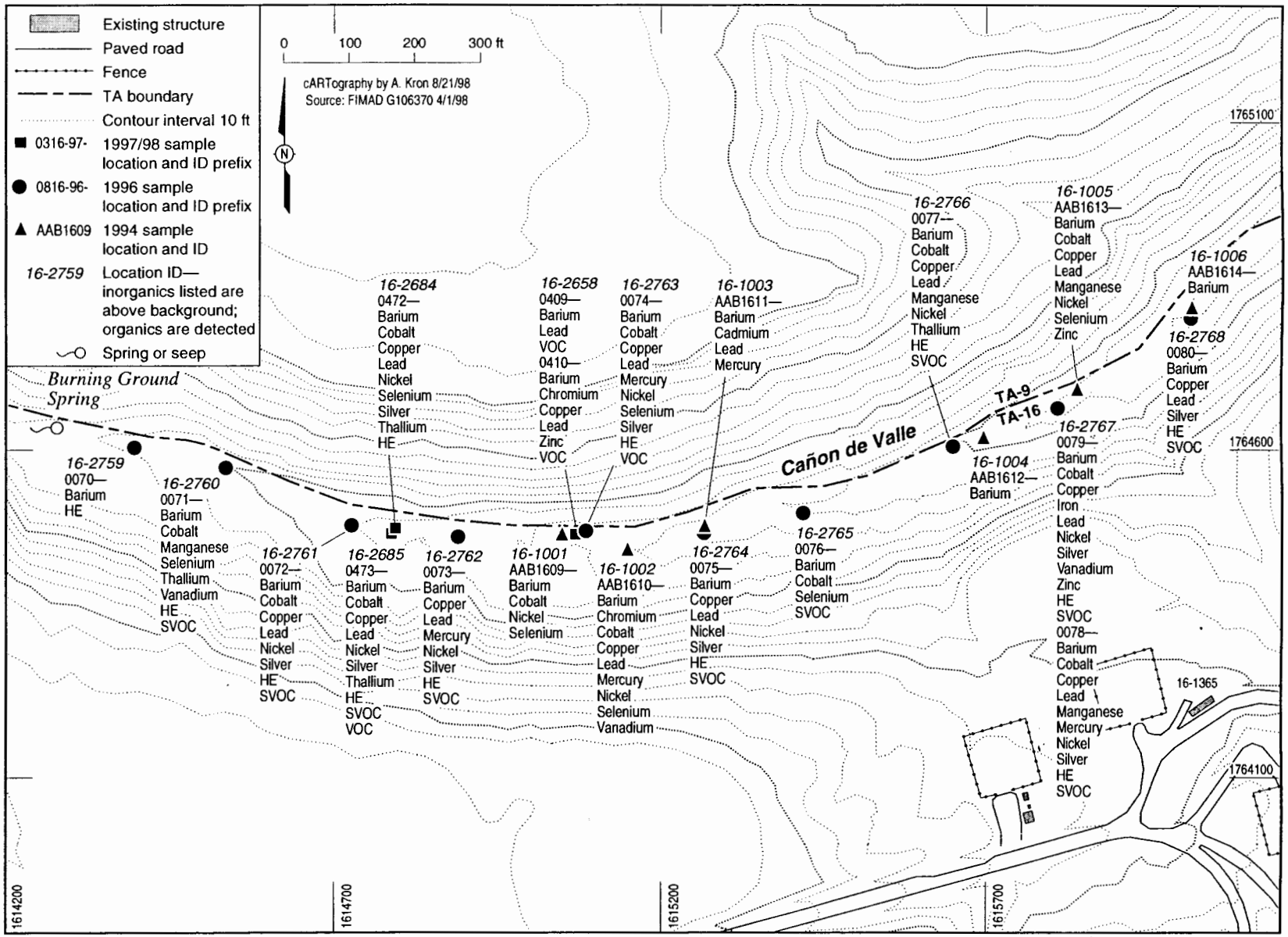


Figure 3.4-2(b). Location map for Cañon de Valle sediment/tuff samples showing contaminant data

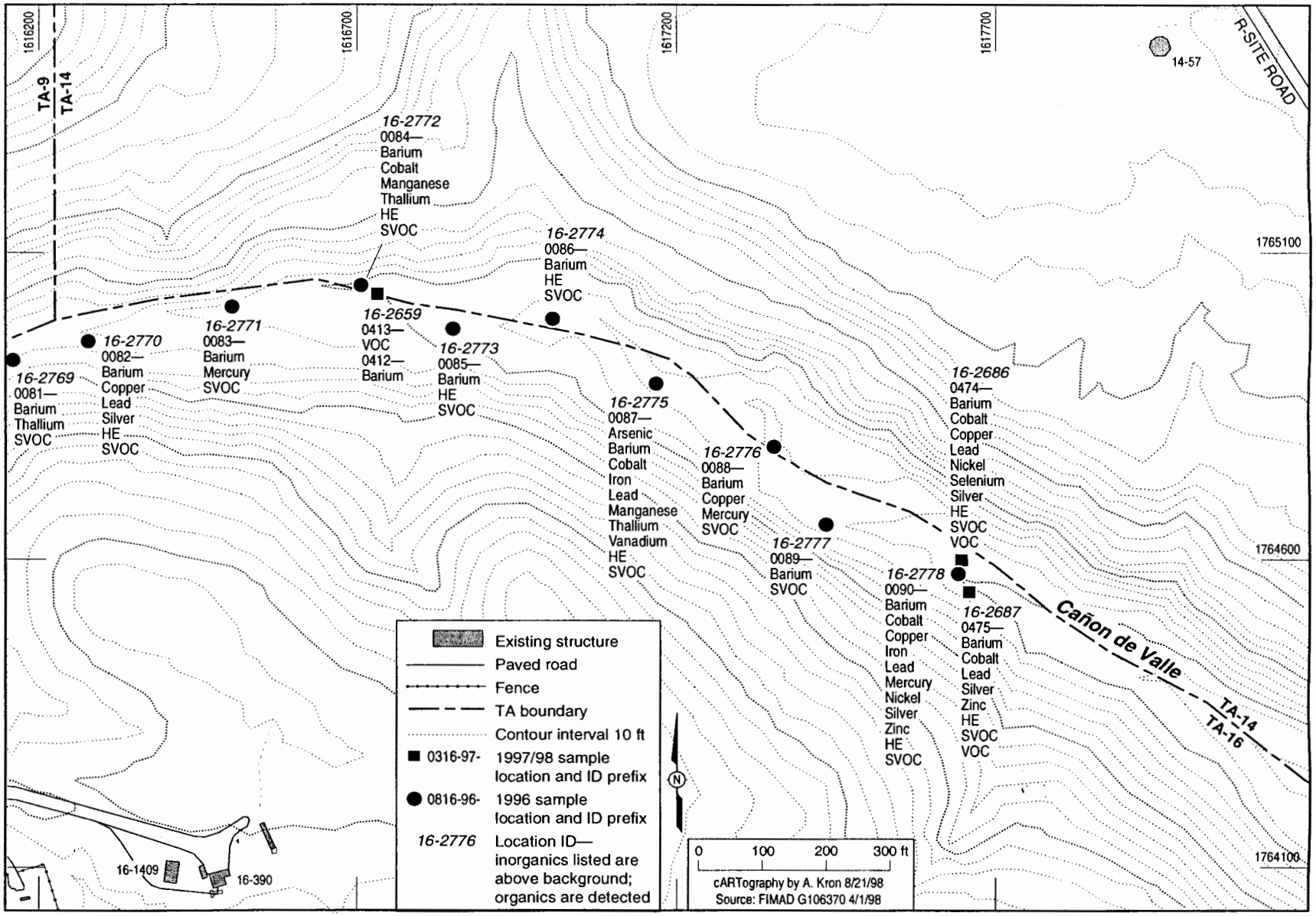


Figure 3.4-2(c). Location map for Cañon de Valle sediment/tuff samples showing contaminant data

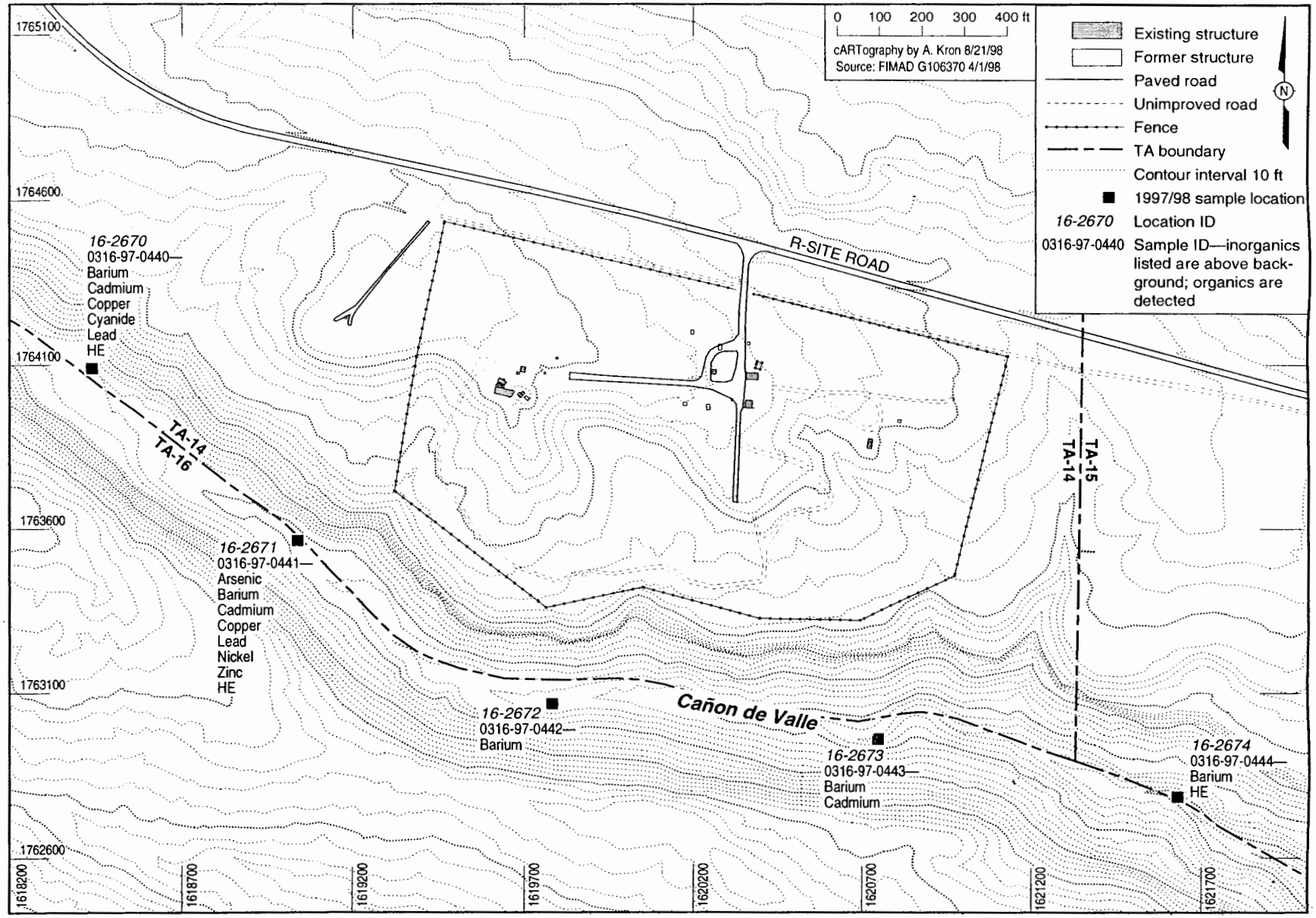


Figure 3.4-2(d). Location map for Cañon de Valle sediment samples showing contaminant data

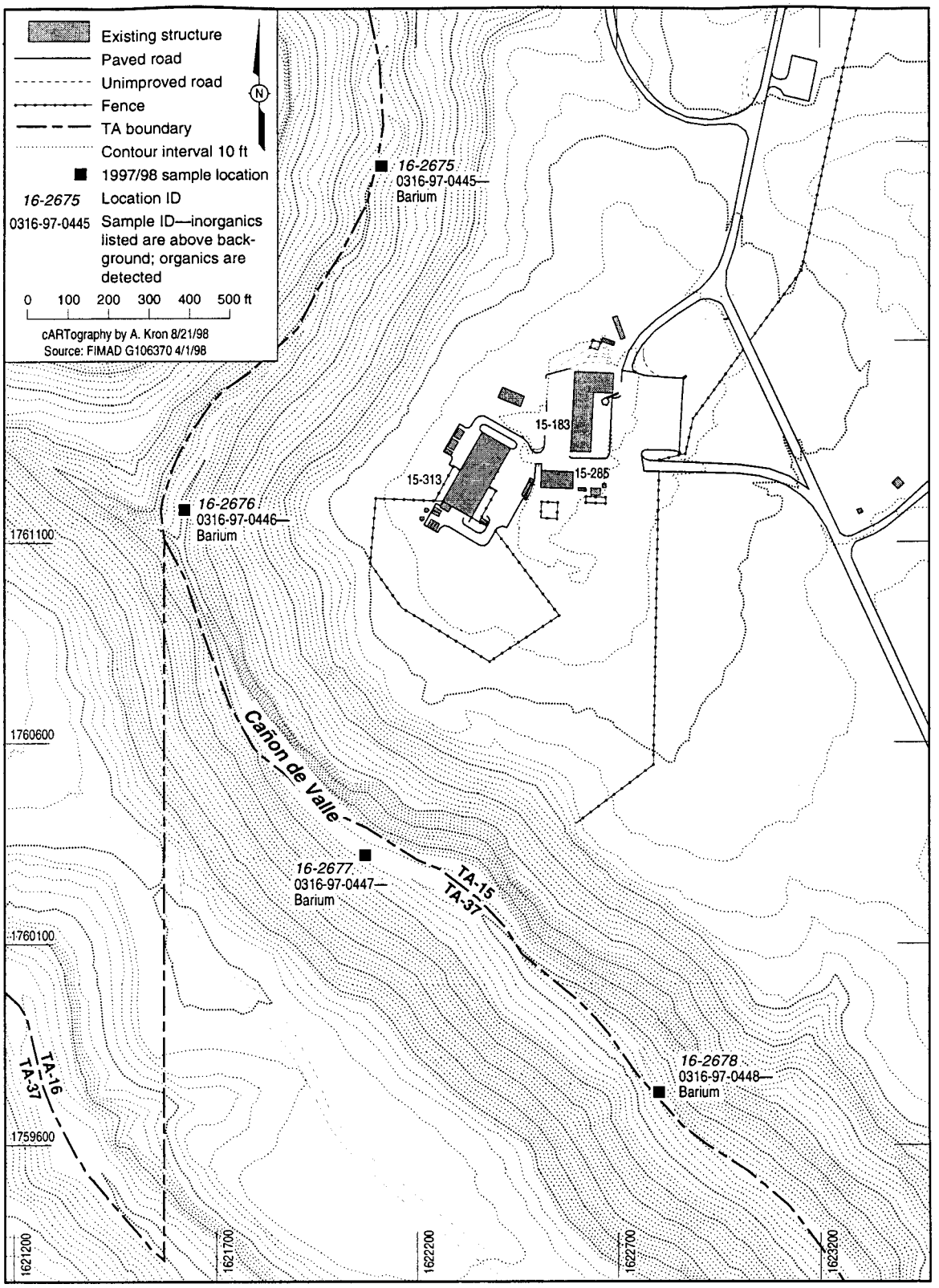


Figure 3.4-2(e). **Location map for Cañon de Valle sediment samples showing contaminant data**

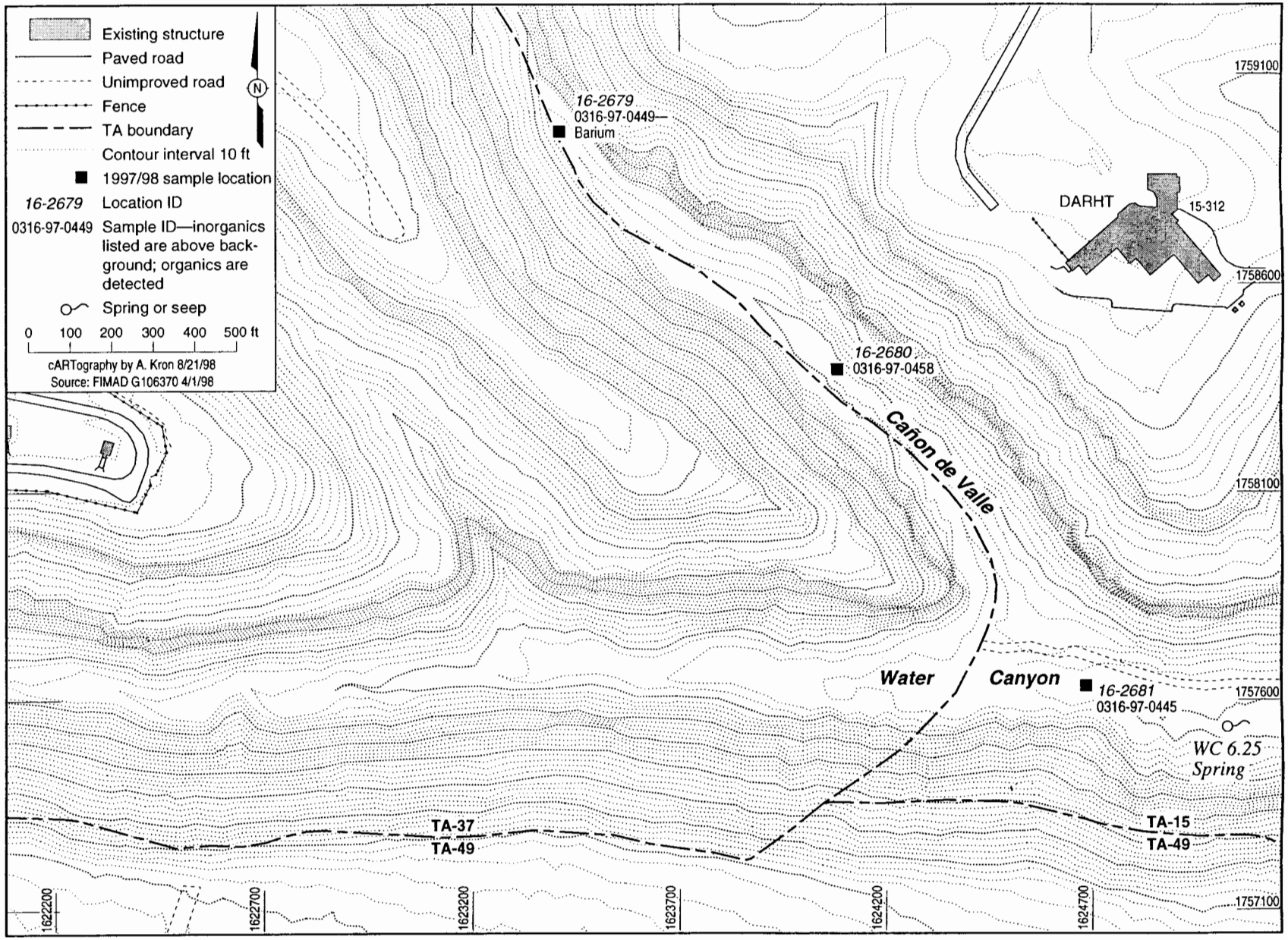


Figure 3.4-2(f). Location map for Cañon de Valle sediment samples showing contaminant data

Table 3.4-3(a)
Frequency of Detected Inorganic Chemicals in Cañon de Valle Surface Sediments

Analyte	Media	Number of Analyses	Number of Detects	Concentration Range (mg/kg)	Background Value (mg/kg)	Frequency of Detects Above Background Value
Aluminum	SED[a]	55	55	910–12000	15400	0/55
Antimony	SED	55	0	[0.2–22][b]	0.83	DL[c] > BV[d] (32/55)
Arsenic	SED	54	24	0.97–11	3.98	2/54 (plus 10 DL > BV)
Barium	SED	55	55	6.3–40300	127	52/55
Beryllium	SED	55	12	[0.16–1.1]	1.31	0/55
Cadmium	SED	55	8	[0.05]–1.3	0.4	4/55 (plus 9 DL > BV)
Calcium	SED	55	55	300–6060	4420	1/55
Chromium, total	SED	55	53	1.1–17.8	10.5	2/55
Cobalt	SED	55	53	1.1–23.9	4.73	26/55
Copper	SED	55	53	[1.4]–99.8	11.2	26/55
Cyanide, total	SED	49	2	[0.2–2.9]	0.82	1/49 (plus 9 DL > BV)
Iron	SED	55	55	2500–22000	13800	4/55
Lead	SED	55	55	3.8–129	19.7	27/55
Magnesium	SED	55	55	140–2040	2370	0/55
Manganese	SED	54	54	120–1910	543	9/54
Mercury	SED	55	15	[0.015]–0.39	0.1	9/55 (plus 10 DL > BV)
Nickel	SED	55	50	[2]–305	9.38	25/55 (plus 1 DL > BV)
Nitrogen, nitrate + nitrite (expressed as N)	SED	31	13	0.5–7.7	NC[e]	N/A[f]
Potassium	SED	55	54	210–1910	2690	0/55
Selenium	SED	55	11	[0.3]–3	0.3	11/55 (plus 41 DL > BV)
Silver	SED	55	29	[0.21]–15.1	1	20/55 (plus 12 DL > BV)
Sodium	SED	55	52	27–748	1470	0/55
Thallium	SED	55	11	[0.04]–7.1	0.73	10/55 (plus 27 DL > BV)
Uranium	SED	31	31	1.051–3.91	6.99	0/31
Vanadium	SED	55	55	0.53–54.2	19.7	7/55
Zinc	SED	55	55	13–117	60.2	6/55

[a] SED = Sediment.
[b] Brackets indicate the value is below detection limits, although some analytes may be detected at values within this range.
[c] DL = Detection limit.
[d] BV = Background value.
[e] NC = Not calculated.
[f] N/A = Not applicable.

Table 3.4-3(b)
Inorganic Analytes with Concentrations Greater than BVs in Cañon de Valle Surface Sediments

Analyte	Location ID	Distance from 260 Outfall (ft)	Sample ID	Sample Concentration (mg/kg)	BV (mg/kg)	Media	Depth (in.)
Antimony	16-2683	240	0316-97-0471	1.1(UJ)[a]	0.83	SED[b]	3 –9
	16-2682	245	0316-97-0470	0.99(UJ)	0.83	SED	0–6
	16-2757	280	0816-96-0068	1.2(UJ)	0.83	SED	0–6
	16-2758	500	0816-96-0069	0.83(UJ)	0.83	SED	0–6
	16-2759	650	0816-96-0070	0.93(UJ)	0.83	SED	0–6
	16-2761	1000	0816-96-0072	0.84(UJ)	0.83	SED	0–6
	16-2684	1050	0316-97-0472	0.88(UJ)	0.83	SED	3–9
	16-2685	1050	0316-97-0473	1.1(UJ)	0.83	SED	3–9
	16-2762	1175	0816-96-0073	1.4(UJ)	0.83	SED	0–6
	16-2764	1500	0816-96-0075	0.88(UJ)	0.83	SED	0–6
	16-2765	1675	0816-96-0076	1(UJ)	0.83	SED	0–6
	16-2766	1900	0816-96-0077	1.1(UJ)	0.83	SED	0–6
	16-2767	2100	0816-96-0078	1.2(UJ)	0.83	SED	0–6
	16-2767	2100	0816-96-0079R	1.3(UJ)	0.83	SED	0–6
	16-2774	3400	0816-96-0086	0.89(UJ)	0.83	SED	0–6
	16-2775	3600	0816-96-0087	1.8(UJ)	0.83	SED	0–6
	16-2775	3600	0816-96-0087	1.8(UJ)	0.83	SED	0–6
	16-2776	3800	0816-96-0088	0.84(UJ)	0.83	SED	0–6
	16-2778	4175	0816-96-0090	1.6(UJ)	0.83	SED	0–6
	16-2686	4180	0316-97-0474	0.94(UJ)	0.83	SED	3–12
	16-2670	5025	0316-97-0440	16(UJ)	0.83	SED	0–6
	16-2671	5625	0316-97-0441	22(U)[c]	0.83	SED	0–6
	16-2672	6325	0316-97-0442	12(UJ)	0.83	SED	0–6
	16-2673	7070	0316-97-0443	15(UJ)	0.83	SED	0–6
	16-2674	7790	0316-97-0444	11(UJ)	0.83	SED	0–6
	16-2675	8500	0316-97-0445	11(U)	0.83	SED	0–6
	16-2676	9850	0316-97-0446	11(U)	0.83	SED	0–6
	16-2677	10280	0316-97-0447	14(U)	0.83	SED	0–6
	16-2678	10950	0316-97-0448	12(U)	0.83	SED	0–6
	16-2679	11850	0316-97-0449	11(U)	0.83	SED	0–6
	16-2680	13100	0316-97-0458	11(U)	0.83	SED	0–6
	16-2681	13700	0316-97-0459	14(U)	0.83	SED	0–6
Arsenic	16-2750	–1000[d]	0816-96-0061	4.2(U)	3.98	SED	0–6
	16-2751	–750	0816-96-0062	4.1(U)	3.98	SED	0–6
	16-2753	–410	0816-96-0064	11	3.98	SED	0–6
	16-2760	800	0816-96-0071	4.4(U)	3.98	SED	0–6
	16-2762	1175	0816-96-0073	4.1(U)	3.98	SED	0–6
	16-2765	1675	0816-96-0076	4.1(U)	3.98	SED	0–6
	16-2766	1900	0816-96-0077	4.4(U)	3.98	SED	0–6
	16-2767	2100	0816-96-0078	4.4(U)	3.98	SED	0–6
	16-2767	2100	0816-96-0079R	4.2(U)	3.98	SED	0–6
	16-2775	3600	0816-96-0087	7.2(U)	3.98	SED	0–6

Table 3.4-3(b) continued

Analyte	Location ID	Distance from 260 Outfall (ft)	Sample ID	Sample Concentration (mg/kg)	BV (mg/kg)	Media	Depth (in.)
Arsenic (continued)	16-2778	4175	0816-96-0090	4.7(U)	3.98	SED	0–6
	16-2671	5625	0316-97-0441	4.2(J-)[e]	3.98	SED	0–6
Barium	16-2749	–1120	0816-96-0060	258(J)[f]	127	SED	0–6
	16-2750	–1000	0816-96-0061	199(J)	127	SED	0–6
	16-2751	–750	0816-96-0062	194(J)	127	SED	0–6
	16-2752	–650	0816-96-0063	234(J)	127	SED	0–6
	16-2753	–410	0816-96-0064	13800(J)	127	SED	0–6
	16-2754	–250	0816-96-0065	15900(J)	127	SED	0–6
	16-2755	–30	0816-96-0066	751(J)	127	SED	0–6
	16-2756	130	0816-96-0067	9030(J)	127	SED	0–6
	16-2682	245	0316-97-0470	7080	127	SED	0–6
	16-2757	280	0816-96-0068	40300(J)	127	SED	0–6
	16-2758	500	0816-96-0069	459(J)	127	SED	0–6
	16-2759	650	0816-96-0070	1940(J)	127	SED	0–6
	16-2760	800	0816-96-0071	477(J)	127	SED	0–6
	16-2761	1000	0816-96-0072	13300(J)	127	SED	0–6
	16-2684	1050	0316-97-0472	2980	127	SED	3–9
	16-2685	1050	0316-97-0473	3730	127	SED	3–9
	16-2762	1175	0816-96-0073	3520(J)	127	SED	0–6
	16-1001	1300	AAB1609	3000(nv)[g]	127	SED	0–6
	16-2763	1350	0816-96-0074	10700(J)	127	SED	0–6
	16-1002	1400	AAB1610	4300(nv)	127	SED	0–6
	16-2764	1500	0816-96-0075	3690(J)	127	SED	0–6
	16-1003	1500	AAB1611	2300(nv)	127	SED	0–6
	16-2765	1675	0816-96-0076	709(J)	127	SED	0–6
	16-2766	1900	0816-96-0077	2540(P)[h]	127	SED	0–6
	16-1004	1950	AAB1612	850(nv)	127	SED	0–6
	16-2767	2100	0816-96-0078	6730(J)	127	SED	0–6
	16-2767	2100	0816-96-0079R	5220(J)	127	SED	0–6
	16-1005	2125	AAB1613	1900(nv)	127	SED	0–6
	16-2768	2300	0816-96-0080	6470(J)	127	SED	0–6
	16-1006	2350	AAB1614	1000(nv)	127	SED	0–6
	16-2769	2550	0816-96-0081	469(P)	127	SED	0–6
	16-2770	2675	0816-96-0082	1120(J)	127	SED	0–6
	16-2771	2900	0816-96-0083	677(J)	127	SED	0–6
	16-2772	3100	0816-96-0084	672(J)	127	SED	0–6
	16-2773	3275	0816-96-0085	353(J)	127	SED	0–6
	16-2774	3400	0816-96-0086	1050(J)	127	SED	0–6
	16-2775	3600	0816-96-0087	1640(J)	127	SED	0–6
	16-2776	3800	0816-96-0088	2880(J)	127	SED	0–6
	16-2777	3975	0816-96-0089	477(J)	127	SED	0–6
	16-2778	4175	0816-96-0090	6000(J)	127	SED	0–6
	16-2686	4180	0316-97-0474	3480	127	SED	3–12
	16-2687	4185	0316-97-0475	14300	127	SED	0–6

Table 3.4-3(b) continued

Analyte	Location ID	Distance from 260 Outfall (ft)	Sample ID	Sample Concentration (mg/kg)	BV (mg/kg)	Media	Depth (in.)
Barium (continued)	16-2670	5025	0316-97-0440	3100	127	SED	0–6
	16-2671	5625	0316-97-0441	4400	127	SED	0–6
	16-2672	6325	0316-97-0442	440	127	SED	0–6
	16-2673	7070	0316-97-0443	1800	127	SED	0–6
	16-2674	7790	0316-97-0444	510	127	SED	0–6
	16-2675	8500	0316-97-0445	340	127	SED	0–6
	16-2676	9850	0316-97-0446	200	127	SED	0–6
	16-2677	10280	0316-97-0447	150	127	SED	0–6
	16-2678	10950	0316-97-0448	170	127	SED	0–6
	16-2679	11850	0316-97-0449	130	127	SED	0–6
Cadmium	16-1003	1500	AAB1611	0.51(nv)	0.4	SED	0–6
	16-2670	5025	0316-97-0440	0.97	0.4	SED	0–6
	16-2671	5625	0316-97-0441	1.3	0.4	SED	0–6
	16-2672	6325	0316-97-0442	0.6(U)	0.4	SED	0–6
	16-2673	7070	0316-97-0443	0.76	0.4	SED	0–6
	16-2674	7790	0316-97-0444	0.55(U)	0.4	SED	0–6
	16-2675	8500	0316-97-0445	0.57(U)	0.4	SED	0–6
	16-2676	9850	0316-97-0446	0.53(U)	0.4	SED	0–6
	16-2677	10280	0316-97-0447	0.7(U)	0.4	SED	0–6
	16-2678	10950	0316-97-0448	0.62(U)	0.4	SED	0–6
	16-2679	11850	0316-97-0449	0.53(U)	0.4	SED	0–6
	16-2680	13100	0316-97-0458	0.53(U)	0.4	SED	0–6
	16-2681	13700	0316-97-0459	0.7(U)	0.4	SED	0–6
Calcium	16-2757	280	0816-96-0068	6060	4420	SED	0–6
Chromium, total	16-2749	–1120	0816-96-0060	17.8(J)	10.5	SED	0–6
	16-1002	1400	AAB1610	12(nv)	10.5	SED	0–6
Cobalt	16-2750	–1000	0816-96-0061	7.4(J)	4.73	SED	0–6
	16-2751	–750	0816-96-0062	6.7(J)	4.73	SED	0–6
	16-2752	–650	0816-96-0063	5.4(J)	4.73	SED	0–6
	16-2753	–410	0816-96-0064	10.1	4.73	SED	0–6
	16-2754	–250	0816-96-0065	8.7(J)	4.73	SED	0–6
	16-2756	130	0816-96-0067	7.3(J)	4.73	SED	0–6
	16-2683	240	0316-97-0471	14.4(J)	4.73	SED	3–9
	16-2682	245	0316-97-0470	14.7	4.73	SED	0–6
	16-2757	280	0816-96-0068	12.3(J)	4.73	SED	0–6
	16-2760	800	0816-96-0071	8(J)	4.73	SED	0–6
	16-2761	1000	0816-96-0072	7(J)	4.73	SED	0–6
	16-2684	1050	0316-97-0472	8.3(J)	4.73	SED	3–9
	16-2685	1050	0316-97-0473	9.1(J)	4.73	SED	3–9
	16-1001	1300	AAB1609	5.8(nv)	4.73	SED	0–6
	16-2763	1350	0816-96-0074	6.7(J)	4.73	SED	0–6
	16-1002	1400	AAB1610	6.3(nv)	4.73	SED	0–6
	16-2765	1675	0816-96-0076	5.7(J)	4.73	SED	0–6
	16-2766	1900	0816-96-0077	6.1(J)	4.73	SED	0–6
	16-2767	2100	0816-96-0078	6.3(J)	4.73	SED	0–6

Table 3.4-3(b) continued

Analyte	Location ID	Distance from 260 Outfall (ft)	Sample ID	Sample Concentration (mg/kg)	BV (mg/kg)	Media	Depth (in.)
Cobalt (continued	16-2767	2100	0816-96-0079R	7(J)	4.73	SED	0–6
	16-1005	2125	AAB1613	8.1(nv)	4.73	SED	0–6
	16-2772	3100	0816-96-0084	21.6	4.73	SED	0–6
	16-2775	3600	0816-96-0087	19.8	4.73	SED	0–6
	16-2778	4175	0816-96-0090	6.1(J)	4.73	SED	0–6
	16-2686	4180	0316-97-0474	8.6(J)	4.73	SED	3–12
	16-2687	4185	0316-97-0475	23.9	4.73	SED	0–6
Copper	16-2749	–1120	0816-96-0060	69	11.2	SED	0–6
	16-2751	–750	0816-96-0062	13.3	11.2	SED	0–6
	16-2753	–410	0816-96-0064	99.8	11.2	SED	0–6
	16-2754	–250	0816-96-0065	28.8	11.2	SED	0–6
	16-2755	–30	0816-96-0066	12.1	11.2	SED	0–6
	16-2756	130	0816-96-0067	57.8	11.2	SED	0–6
	16-2683	240	0316-97-0471	26.9	11.2	SED	3–9
	16-2757	280	0816-96-0068	50.3	11.2	SED	0–6
	16-2761	1000	0816-96-0072	29.5	11.2	SED	0–6
	16-2684	1050	0316-97-0472	17.7	11.2	SED	3–9
	16-2685	1050	0316-97-0473	21.1	11.2	SED	3–9
	16-2762	1175	0816-96-0073	27.9	11.2	SED	0–6
	16-2763	1350	0816-96-0074	25.1	11.2	SED	0–6
	16-1002	1400	AAB1610	20(nv)	11.2	SED	0–6
	16-2764	1500	0816-96-0075	19	11.2	SED	0–6
	16-2766	1900	0816-96-0077	11.5	11.2	SED	0–6
	16-2767	2100	0816-96-0078	19.2	11.2	SED	0–6
	16-2767	2100	0816-96-0079R	19.3	11.2	SED	0–6
	16-1005	2125	AAB1613	16(nv)	11.2	SED	0–6
	16-2768	2300	0816-96-0080	15.9	11.2	SED	0–6
	16-2770	2675	0816-96-0082	15.4	11.2	SED	0–6
	16-2776	3800	0816-96-0088	31.1	11.2	SED	0–6
	16-2778	4175	0816-96-0090	53.1	11.2	SED	0–6
	16-2686	4180	0316-97-0474	24.6	11.2	SED	3–12
	16-2670	5025	0316-97-0440	31	11.2	SED	0–6
	16-2671	5625	0316-97-0441	36	11.2	SED	0–6
Cyanide, total	16-2754	–250	0816-96-0065	1.1(UJ)	0.82	SED	0–6
	16-2757	280	0816-96-0068	1.5(UJ)	0.82	SED	0–6
	16-2767	2100	0816-96-0078	1.1(UJ)	0.82	SED	0–6
	16-2767	2100	0816-96-0079R	1.2(UJ)	0.82	SED	0–6
	16-2771	2900	0816-96-0083	2.1(UJ)	0.82	SED	0–6
	16-2775	3600	0816-96-0087	2.1(UJ)	0.82	SED	0–6
	16-2778	4175	0816-96-0090	2.9(UJ)	0.82	SED	0–6
	16-2670	5025	0316-97-0440	1.9(J-)	0.82	SED	0–6
	16-2671	5625	0316-97-0441	1.1(UJ)	0.82	SED	0–6
	16-2672	6325	0316-97-0442	1.9(UJ)	0.82	SED	0–6
Iron	16-2753	–410	0816-96-0064	22 000	13 800	SED	0–6
	16-2767	2100	0816-96-0079R	14 100	13 800	SED	0–6

Table 3.4-3(b) continued

Analyte	Location ID	Distance from 260 Outfall (ft)	Sample ID	Sample Concentration (mg/kg)	BV (mg/kg)	Media	Depth (in.)
Iron (continued)	16-2775	3600	0816-96-0087	14 800	13 800	SED	0–6
	16-2778	4175	0816-96-0090	14 100	13 800	SED	0–6
Lead	16-2749	–1120	0816-96-0060	30.2	19.7	SED	0–6
	16-2753	–410	0816-96-0064	129	19.7	SED	0–6
	16-2754	–250	0816-96-0065	108	19.7	SED	0–6
	16-2755	–30	0816-96-0066	28.3	19.7	SED	0–6
	16-2756	130	0816-96-0067	81	19.7	SED	0–6
	16-2683	240	0316-97-0471	48.4	19.7	SED	3–9
	16-2682	245	0316-97-0470	24.5	19.7	SED	0–6
	16-2757	280	0816-96-0068	119	19.7	SED	0–6
	16-2761	1000	0816-96-0072	68.9	19.7	SED	0–6
	16-2684	1050	0316-97-0472	29.6	19.7	SED	3–9
	16-2685	1050	0316-97-0473	33.4	19.7	SED	3–9
	16-2762	1175	0816-96-0073	29.8	19.7	SED	0–6
	16-2763	1350	0816-96-0074	36	19.7	SED	0–6
	16-1002	1400	AAB1610	24(nv)	19.7	SED	0–6
	16-2764	1500	0816-96-0075	23.3	19.7	SED	0–6
	16-1003	1500	AAB1611	20(nv)	19.7	SED	0–6
	16-2767	2100	0816-96-0078	32.9	19.7	SED	0–6
	16-2767	2100	0816-96-0079R	29.4	19.7	SED	0–6
	16-1005	2125	AAB1613	21(nv)	19.7	SED	0–6
	16-2768	2300	0816-96-0080	23	19.7	SED	0–6
	16-2770	2675	0816-96-0082	20.5	19.7	SED	0–6
	16-2775	3600	0816-96-0087	35.4	19.7	SED	0–6
	16-2778	4175	0816-96-0090	50.1	19.7	SED	0–6
	16-2686	4180	0316-97-0474	35.5	19.7	SED	3–12
	16-2687	4185	0316-97-0475	26.4	19.7	SED	0–6
	16-2670	5025	0316-97-0440	23	19.7	SED	0–6
	16-2671	5625	0316-97-0441	29	19.7	SED	0–6
Manganese	16-2750	–1000	0816-96-0061	553(J+)[i]	543	SED	0–6
	16-2757	280	0816-96-0068	783(J+)	543	SED	0–6
	16-2758	500	0816-96-0069	585(J+)	543	SED	0–6
	16-2760	800	0816-96-0071	1460(J+)	543	SED	0–6
	16-2766	1900	0816-96-0077	714(J+)	543	SED	0–6
	16-2767	2100	0816-96-0078	581(J+)	543	SED	0–6
	16-1005	2125	AAB1613	1600(nv)	543	SED	0–6
	16-2772	3100	0816-96-0084	925(J+)	543	SED	0–6
	16-2775	3600	0816-96-0087	1910(J+)	543	SED	0–6
Mercury	16-2756	130	0816-96-0067	0.14(J)	0.1	SED	0–6
	16-2757	280	0816-96-0068	0.21	0.1	SED	0–6
	16-2762	1175	0816-96-0073	0.14(J)	0.1	SED	0–6
	16-1002	1400	AAB1610	0.14(nv)	0.1	SED	0–6
	16-1003	1500	AAB1611	0.22(nv)	0.1	SED	0–6
	16-2767	2100	0816-96-0078	0.13(J)	0.1	SED	0–6
	16-2771	2900	0816-96-0083	0.39	0.1	SED	0–6

Table 3.4-3(b) continued

Analyte	Location ID	Distance from 260 Outfall (ft)	Sample ID	Sample Concentration (mg/kg)	BV (mg/kg)	Media	Depth (in.)
Mercury (continued)	16-2776	3800	0816-96-0088	0.13(J)	0.1	SED	0–6
	16-2778	4175	0816-96-0090	0.21	0.1	SED	0–6
	16-2671	5625	0316-97-0441	0.22(U)	0.1	SED	0–6
	16-2672	6325	0316-97-0442	0.12(U)	0.1	SED	0–6
	16-2674	7790	0316-97-0444	0.11(U)	0.1	SED	0–6
	16-2675	8500	0316-97-0445	0.11(U)	0.1	SED	0–6
	16-2676	9850	0316-97-0446	0.11(U)	0.1	SED	0–6
	16-2677	10280	0316-97-0447	0.14(U)	0.1	SED	0–6
	16-2678	10950	0316-97-0448	0.12(U)	0.1	SED	0–6
	16-2679	11850	0316-97-0449	0.11(U)	0.1	SED	0–6
	16-2680	13100	0316-97-0458	0.11(U)	0.1	SED	0–6
	16-2681	13700	0316-97-0459	0.14(U)	0.1	SED	0–6
Nickel	16-2749	–1120	0816-96-0060	305(J-)	9.38	SED	0–6
	16-2750	–1000	0816-96-0061	11.7(J-)	9.38	SED	0–6
	16-2751	–750	0816-96-0062	43.7(J-)	9.38	SED	0–6
	16-2752	–650	0816-96-0063	17(J-)	9.38	SED	0–6
	16-2753	–410	0816-96-0064	9.6(J-)	9.38	SED	0–6
	16-2754	–250	0816-96-0065	13.5(J-)	9.38	SED	0–6
	16-2756	130	0816-96-0067	67.5(J-)	9.38	SED	0–6
	16-2683	240	0316-97-0471	24.8	9.38	SED	3–9
	16-2682	245	0316-97-0470	15.4	9.38	SED	0–6
	16-2757	280	0816-96-0068	30.1(J-)	9.38	SED	0–6
	16-2761	1000	0816-96-0072	30.2(J-)	9.38	SED	0–6
	16-2684	1050	0316-97-0472	21.8	9.38	SED	3–9
	16-2685	1050	0316-97-0473	27	9.38	SED	3–9
	16-2762	1175	0816-96-0073	20.2(J-)	9.38	SED	0–6
	16-1001	1300	AAB1609	9.6(nv)	9.38	SED	0–6
	16-2763	1350	0816-96-0074	35.2(J-)	9.38	SED	0–6
	16-1002	1400	AAB1610	18(nv)	9.38	SED	0–6
	16-2764	1500	0816-96-0075	14(J-)	9.38	SED	0–6
	16-2766	1900	0816-96-0077	11.3(J-)	9.38	SED	0–6
	16-2767	2100	0816-96-0078	18(J-)	9.38	SED	0–6
	16-2767	2100	0816-96-0079R	19.4(J-)	9.38	SED	0–6
	16-1005	2125	AAB1613	11(nv)	9.38	SED	0–6
	16-2775	3600	0816-96-0087	10.1(UJ)	9.38	SED	0–6
	16-2778	4175	0816-96-0090	12.3(J-)	9.38	SED	0–6
	16-2686	4180	0316-97-0474	9.7(J)	9.38	SED	3–12
	16-2671	5625	0316-97-0441	11	9.38	SED	0–6
Nitrogen, nitrate + nitrite (expressed as N)	16-2749	–1120	0816-96-0060	0.7(nv)	NC[j]	SED	0–6
	16-2752	–650	0816-96-0063	1.2	NC	SED	0–6
	16-2753	–410	0816-96-0064	0.9	NC	SED	0–6
	16-2756	130	0816-96-0067	7.7	NC	SED	0–6
	16-2759	650	0816-96-0070	2.6	NC	SED	0–6
	16-2762	1175	0816-96-0073	0.7	NC	SED	0–6
	16-2763	1350	0816-96-0074	0.5	NC	SED	0–6

Table 3.4-3(b) continued

Analyte	Location ID	Distance from 260 Outfall (ft)	Sample ID	Sample Concentration (mg/kg)	BV (mg/kg)	Media	Depth (in.)
Nitrogen, nitrate + nitrite (expressed as N) (continued)	16-2766	1900	0816-96-0077	4.8	NC	SED	0–6
	16-2767	2100	0816-96-0078	0.8	NC	SED	0–6
	16-2767	2100	0816-96-0079R	0.8	NC	SED	0–6
	16-2769	2550	0816-96-0081	2.5	NC	SED	0–6
	16-2770	2675	0816-96-0082	0.5	NC	SED	0–6
	16-2777	3975	0816-96-0089	0.8	NC	SED	0–6
Selenium	16-2749	–1120	0816-96-0060	0.67(U)	0.3	SED	0–6
	16-2750	–1000	0816-96-0061	0.97(U)	0.3	SED	0–6
	16-2751	–750	0816-96-0062	0.45(U)	0.3	SED	0–6
	16-2752	–650	0816-96-0063	0.42(U)	0.3	SED	0–6
	16-2753	–410	0816-96-0064	1.7	0.3	SED	0–6
	16-2754	–250	0816-96-0065	0.4(U)	0.3	SED	0–6
	16-2755	–30	0816-96-0066	0.45(U)	0.3	SED	0–6
	16-2756	130	0816-96-0067	0.44(U)	0.3	SED	0–6
	16-2683	240	0316-97-0471	0.92(J)	0.3	SED	3–9
	16-2682	245	0316-97-0470	1.4	0.3	SED	0–6
	16-2757	280	0816-96-0068	1.3(U)	0.3	SED	0–6
	16-2758	500	0816-96-0069	0.52(U)	0.3	SED	0–6
	16-2759	650	0816-96-0070	0.56(U)	0.3	SED	0–6
	16-2760	800	0816-96-0071	1.4	0.3	SED	0–6
	16-2761	1000	0816-96-0072	0.5(U)	0.3	SED	0–6
	16-2684	1050	0316-97-0472	1.3	0.3	SED	3–9
	16-2685	1050	0316-97-0473	0.88(U)	0.3	SED	3–9
	16-2762	1175	0816-96-0073	0.83(U)	0.3	SED	0–6
	16-1001	1300	AAB1609	0.6(nv)	0.3	SED	0–6
	16-2763	1350	0816-96-0074	0.93(J)	0.3	SED	0–6
	16-1002	1400	AAB1610	3(nv)	0.3	SED	0–6
	16-2764	1500	0816-96-0075	1(U)	0.3	SED	0–6
	16-2765	1675	0816-96-0076	0.89(J)	0.3	SED	0–6
	16-2766	1900	0816-96-0077	0.64(U)	0.3	SED	0–6
	16-2767	2100	0816-96-0078	0.75(U)	0.3	SED	0–6
	16-2767	2100	0816-96-0079R	1.2(U)	0.3	SED	0–6
	16-1005	2125	AAB1613	0.8(nv)	0.3	SED	0–6
	16-2768	2300	0816-96-0080	0.48(U)	0.3	SED	0–6
	16-2769	2550	0816-96-0081	1.5(U)	0.3	SED	0–6
	16-2770	2675	0816-96-0082	0.45(U)	0.3	SED	0–6
	16-2771	2900	0816-96-0083	0.72(U)	0.3	SED	0–6
	16-2772	3100	0816-96-0084	0.76(U)	0.3	SED	0–6
	16-2773	3275	0816-96-0085	0.45(U)	0.3	SED	0–6
	16-2774	3400	0816-96-0086	0.54(U)	0.3	SED	0–6
	16-2775	3600	0816-96-0087	1.6(U)	0.3	SED	0–6
	16-2776	3800	0816-96-0088	1.1(U)	0.3	SED	0–6
	16-2777	3975	0816-96-0089	0.61(U)	0.3	SED	0–6
	16-2778	4175	0816-96-0090	1.2(U)	0.3	SED	0–6
	16-2686	4180	0316-97-0474	1(J)	0.3	SED	3–12

Table 3.4-3(b) continued

Analyte	Location ID	Distance from 260 Outfall (ft)	Sample ID	Sample Concentration (mg/kg)	BV (mg/kg)	Media	Depth (in.)
Selenium (continued)	16-2687	4185	0316-97-0475	0.48(U)	0.3	SED	0–6
	16-2670	5025	0316-97-0440	1.6(UJ)	0.3	SED	0–6
	16-2671	5625	0316-97-0441	2.2(UJ)	0.3	SED	0–6
	16-2672	6325	0316-97-0442	1.2(UJ)	0.3	SED	0–6
	16-2673	7070	0316-97-0443	1.5(UJ)	0.3	SED	0–6
	16-2674	7790	0316-97-0444	1.1(U)	0.3	SED	0–6
	16-2675	8500	0316-97-0445	0.57(UJ)	0.3	SED	0–6
	16-2676	9850	0316-97-0446	0.53(UJ)	0.3	SED	0–6
	16-2677	10280	0316-97-0447	0.7(UJ)	0.3	SED	0–6
	16-2678	10950	0316-97-0448	0.62(UJ)	0.3	SED	0–6
	16-2679	11850	0316-97-0449	0.53(UJ)	0.3	SED	0–6
	16-2680	13100	0316-97-0458	0.53(UJ)	0.3	SED	0–6
	16-2681	13700	0316-97-0459	0.7(UJ)	0.3	SED	0–6
Silver	16-2749	–1120	0816-96-0060	15.1	1	SED	0–6
	16-2753	–410	0816-96-0064	1.3(J)	1	SED	0–6
	16-2754	–250	0816-96-0065	2.2(J)	1	SED	0–6
	16-2756	130	0816-96-0067	7.1	1	SED	0–6
	16-2683	240	0316-97-0471	2.3(J)	1	SED	3–9
	16-2682	245	0316-97-0470	5.2	1	SED	0–6
	16-2757	280	0816-96-0068	4.5	1	SED	0–6
	16-2761	1000	0816-96-0072	6.1	1	SED	0–6
	16-2684	1050	0316-97-0472	3.4	1	SED	3–9
	16-2685	1050	0316-97-0473	4.4	1	SED	3–9
	16-2762	1175	0816-96-0073	3.2	1	SED	0–6
	16-2763	1350	0816-96-0074	4.8	1	SED	0–6
	16-2764	1500	0816-96-0075	2.9	1	SED	0–6
	16-2767	2100	0816-96-0078	2.8	1	SED	0–6
	16-2767	2100	0816-96-0079R	2.3	1	SED	0–6
	16-2768	2300	0816-96-0080	2.1	1	SED	0–6
	16-2770	2675	0816-96-0082	5.5	1	SED	0–6
	16-2778	4175	0816-96-0090	5.6	1	SED	0–6
	16-2686	4180	0316-97-0474	4.7	1	SED	3–12
	16-2687	4185	0316-97-0475	3.6	1	SED	0–6
	16-2670	5025	0316-97-0440	3.2(J-)	1	SED	0–6
	16-2670	5025	0316-97-0440	3.2(J-)	1	SED	0–6
	16-2671	5625	0316-97-0441	4.4(U)	1	SED	0–6
	16-2672	6325	0316-97-0442	2.4(U)	1	SED	0–6
	16-2673	7070	0316-97-0443	3(U)	1	SED	0–6
	16-2674	7790	0316-97-0444	2.2(UJ)	1	SED	0–6
	16-2675	8500	0316-97-0445	2.3(U)	1	SED	0–6
	16-2676	9850	0316-97-0446	2.1(U)	1	SED	0–6
	16-2677	10280	0316-97-0447	2.8(U)	1	SED	0–6
	16-2678	10950	0316-97-0448	2.5(U)	1	SED	0–6
	16-2679	11850	0316-97-0449	2.1(U)	1	SED	0–6
	16-2680	13100	0316-97-0458	2.1(U)	1	SED	0–6

Table 3.4-3(b) continued

Analyte	Location ID	Distance from 260 Outfall (ft)	Sample ID	Sample Concentration (mg/kg)	BV (mg/kg)	Media	Depth (in.)
Silver (continued)	16-2681	13700	0316-97-0459	2.8(U)	1	SED	0–6
Thallium	16-2749	–1120	0816-96-0060	0.77(U)	0.73	SED	0–6
	16-2750	–1000	0816-96-0061	1.1(J)	0.73	SED	0–6
	16-2751	–750	0816-96-0062	0.86(U)	0.73	SED	0–6
	16-2752	–650	0816-96-0063	0.77(U)	0.73	SED	0–6
	16-2753	–410	0816-96-0064	0.75(U)	0.73	SED	0–6
	16-2754	–250	0816-96-0065	0.76(U)	0.73	SED	0–6
	16-2755	–30	0816-96-0066	0.86(U)	0.73	SED	0–6
	16-2756	130	0816-96-0067	0.83(U)	0.73	SED	0–6
	16-2683	240	0316-97-0471	1.4(J)	0.73	SED	3–9
	16-2682	245	0316-97-0470	2(J)	0.73	SED	0–6
	16-2757	280	0816-96-0068	1.4(U)	0.73	SED	0–6
	16-2758	500	0816-96-0069	0.94(U)	0.73	SED	0–6
	16-2759	650	0816-96-0070	1.1(U)	0.73	SED	0–6
	16-2760	800	0816-96-0071	3.6	0.73	SED	0–6
	16-2761	1000	0816-96-0072	0.95(U)	0.73	SED	0–6
	16-2684	1050	0316-97-0472	1.4(J)	0.73	SED	3–9
	16-2685	1050	0316-97-0473	1.4(J)	0.73	SED	3–9
	16-2762	1175	0816-96-0073	1.6(U)	0.73	SED	0–6
	16-2763	1350	0816-96-0074	0.84(U)	0.73	SED	0–6
	16-2764	1500	0816-96-0075	0.99(U)	0.73	SED	0–6
	16-2765	1675	0816-96-0076	1.2(U)	0.73	SED	0–6
	16-2766	1900	0816-96-0077	2(J)	0.73	SED	0–6
	16-2767	2100	0816-96-0078	1.4(U)	0.73	SED	0–6
	16-2767	2100	0816-96-0079R	1.4(U)	0.73	SED	0–6
	16-2768	2300	0816-96-0080	0.9(U)	0.73	SED	0–6
	16-2769	2550	0816-96-0081	0.88(J)	0.73	SED	0–6
	16-2770	2675	0816-96-0082	0.8(U)	0.73	SED	0–6
	16-2771	2900	0816-96-0083	0.84(U)	0.73	SED	0–6
	16-2772	3100	0816-96-0084	2.6(J)	0.73	SED	0–6
	16-2773	3275	0816-96-0085	0.84(U)	0.73	SED	0–6
	16-2774	3400	0816-96-0086	1(U)	0.73	SED	0–6
	16-2775	3600	0816-96-0087	7.1	0.73	SED	0–6
	16-2776	3800	0816-96-0088	0.95(U)	0.73	SED	0–6
	16-2777	3975	0816-96-0089	0.81(U)	0.73	SED	0–6
	16-2778	4175	0816-96-0090	1.2(U)	0.73	SED	0–6
	16-2686	4180	0316-97-0474	1.2(U)	0.73	SED	3–12
	16-2687	4185	0316-97-0475	0.77(U)	0.73	SED	0–6
Vanadium	16-2750	–1000	0816-96-0061	20	19.7	SED	0–6
	16-2752	–650	0816-96-0063	20.9	19.7	SED	0–6
	16-2753	–410	0816-96-0064	54.2	19.7	SED	0–6
	16-2760	800	0816-96-0071	28	19.7	SED	0–6
	16-1002	1400	AAB1610	21(nv)	19.7	SED	0–6
	16-2767	2100	0816-96-0079R	20.4(J)	19.7	SED	0–6
	16-2775	3600	0816-96-0087	26.5	19.7	SED	0–6

Table 3.4-3(b) continued

Analyte	Location ID	Distance from 260 Outfall (ft)	Sample ID	Sample Concentration (mg/kg)	BV (mg/kg)	Media	Depth (in.)
Zinc	16-2753	–410	0816-96-0064	62.3	60.2	SED	0–6
	16-2757	280	0816-96-0068	69.1	60.2	SED	0–6
	16-2767	2100	0816-96-0079R	64.7	60.2	SED	0–6
	16-1005	2125	AAB1613	77(nv)	60.2	SED	0–6
	16-2778	4175	0816-96-0090	117	60.2	SED	0–6
	16-2671	5625	0316-97-0441	69(J-)	60.2	SED	0–6

[a] UJ = The analyte was analyzed for, but not detected; the associated value is an estimate.

[b] SED = Sediment.

[c] U = The analyte was analyzed for, but not detected above the reported estimated quantitation limit or sample detection limit.

[d] A negative value indicates distance upstream from the TA-16-260 outfall.

[e] J- = the analyte was positively identified, and the result is likely biased low.

[f] J = The reported value is an estimated quantity.

[g] nv = Not validated.

[h] P = Use professional judgment based on data use.

[i] J+ = The analyte was positively identified, and the result is likely biased high.

[j] NC = Not calculated

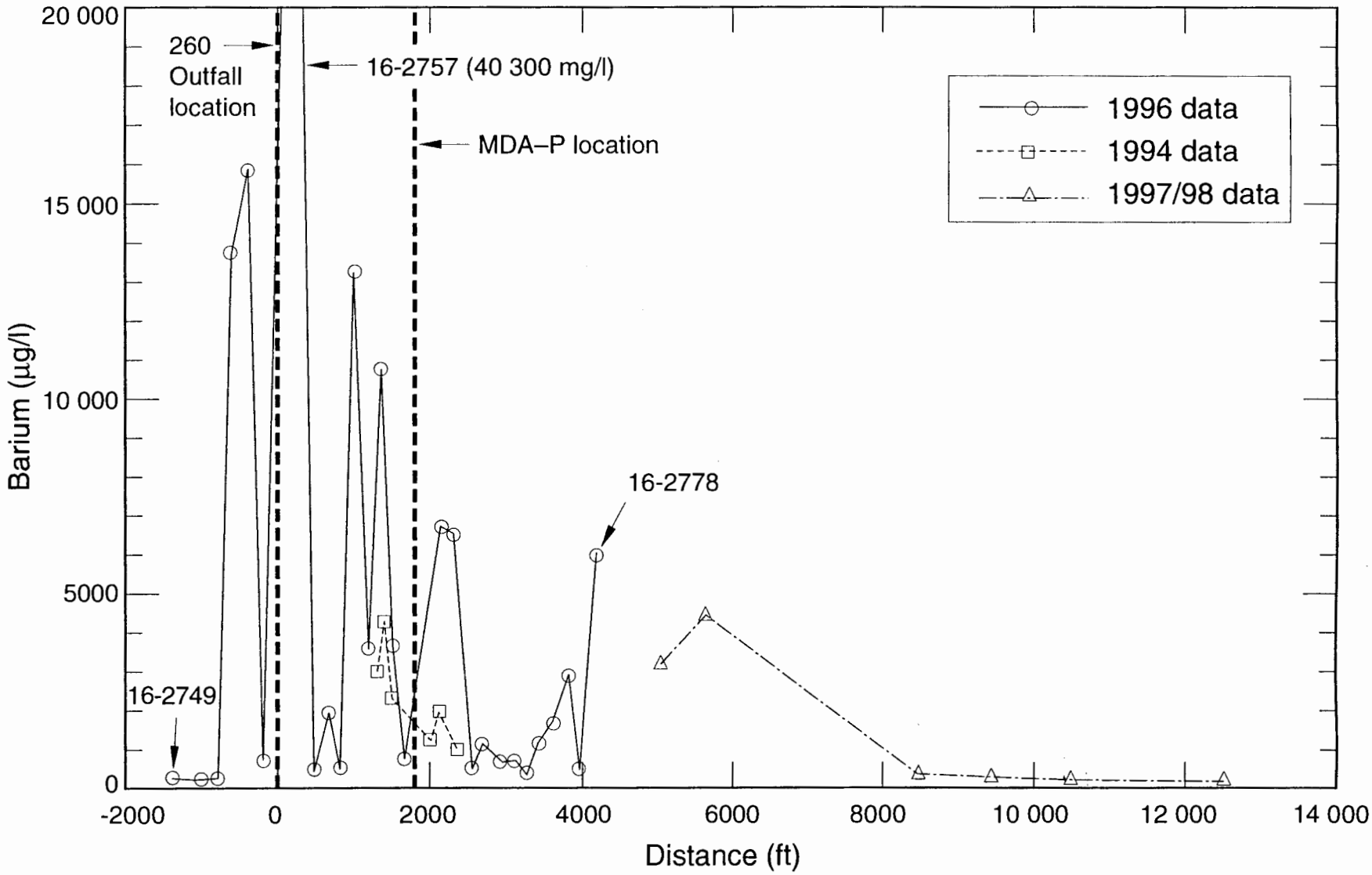


Figure 3.4-3. Center-channel barium concentrations downgradient in Cañon de Valle sediments

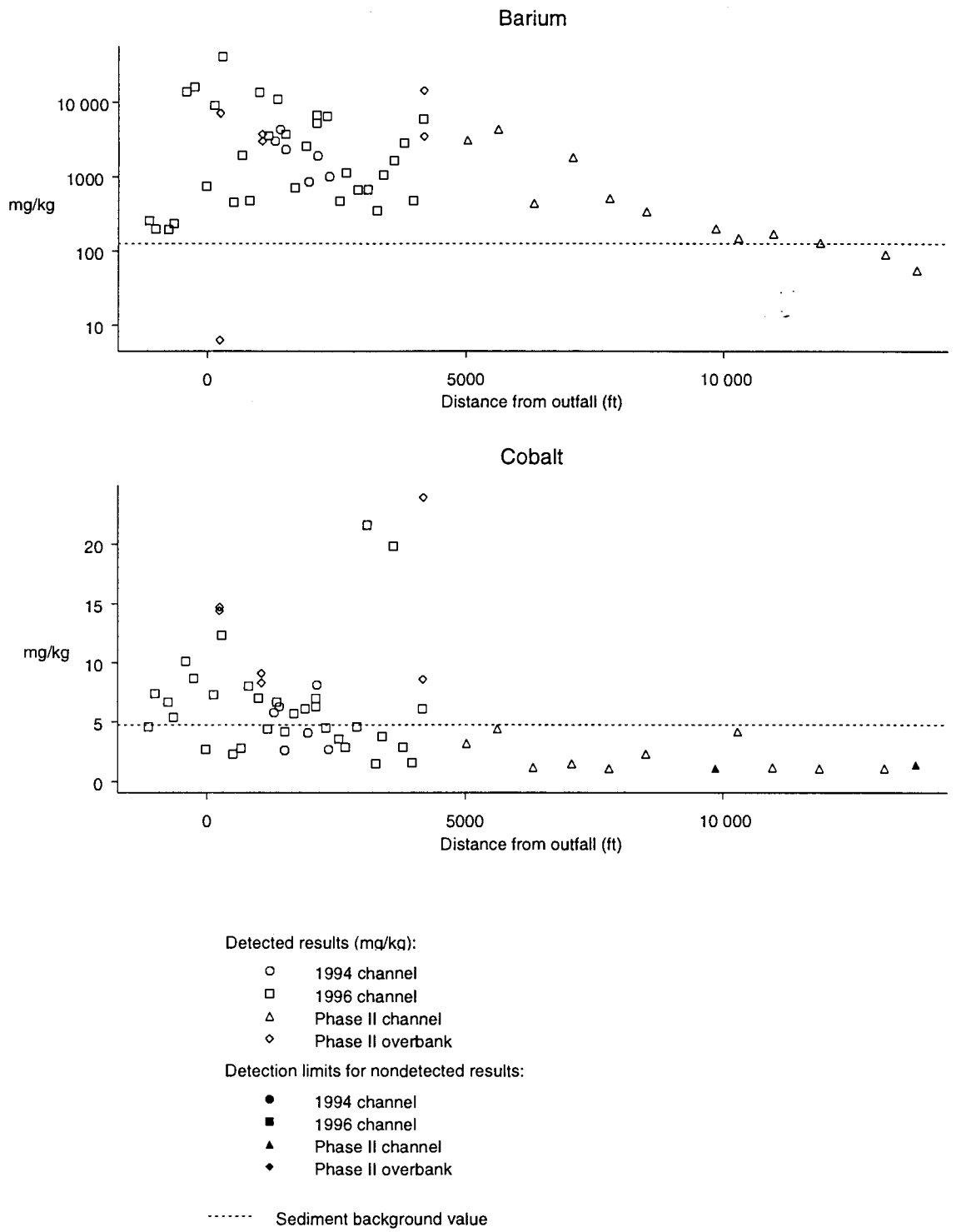


Figure 3.4-4(a). Trend plots of barium and cobalt in Cañon de Valle sediments

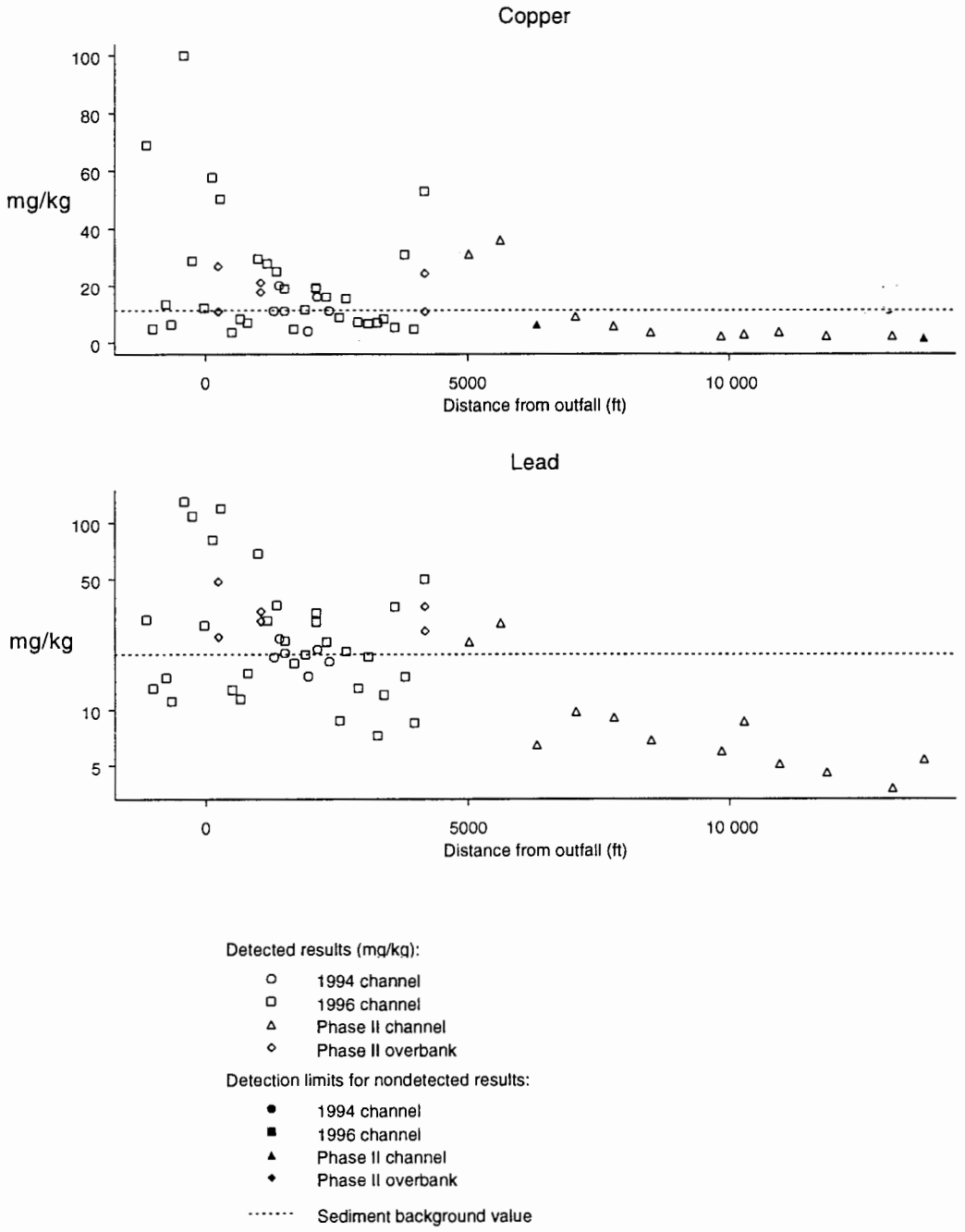


Figure 3.4-4(b). Trend plots of copper and lead in Cañon de Valle sediments

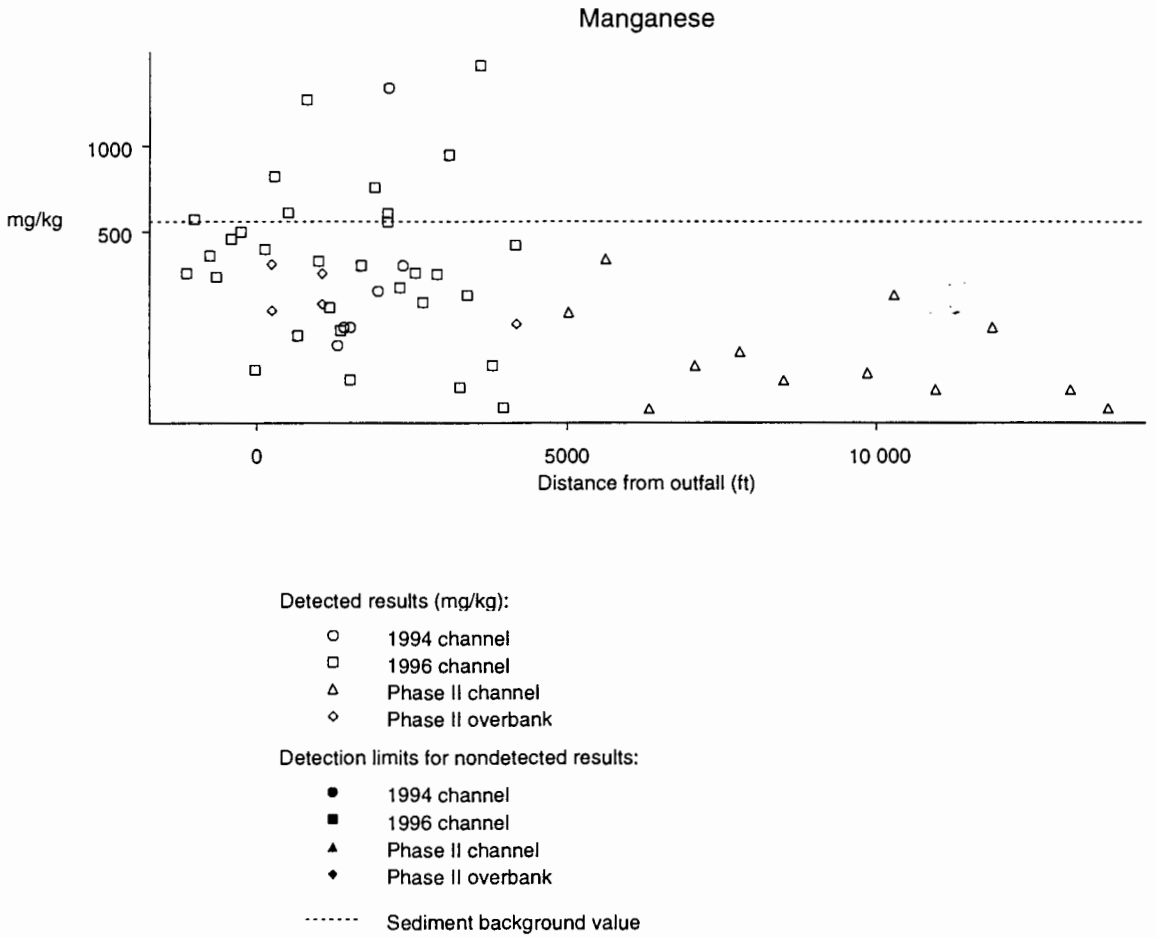


Figure 3.4-4(c). Trend plots of manganese in Cañon de Valle sediments

Table 3.4-4
Results of Inorganic Data Review for Cañon de Valle Surface Sediments

Analyte	Media	Result	Rationale for Retaining or Eliminating as a COPC
Aluminum	SED[a]	Eliminated	All samples are below the background value.
Antimony	SED	Retained	Not detected in any sample, but detection limits exceed the background value.
Arsenic	SED	Retained	Three samples are above the sediment background.
Barium	SED	Retained	Consistently above background.
Beryllium	SED	Eliminated	All samples are below the background value.
Cadmium	SED	Retained	Four samples above the background value, and statistically greater than the background distribution.
Calcium	SED	Eliminated	All samples are below the background value.
Chromium, total	SED	Retained	Two samples are above the sediment background value.
Cobalt	SED	Retained	Significantly above the sediment background distribution.
Copper	SED	Retained	Twenty-six samples above the background value, and statistically greater than the background distribution.
Cyanide, total	SED	Retained	One sample detected, and most detection limits in these data exceed the detection limit reported in the background data set.
Iron	SED	Retained	Three samples above the background value.
Lead	SED	Retained	Exceeds background in over half of the samples.
Magnesium	SED	Eliminated	All samples are below the background value.
Manganese	SED	Retained	Nine samples above the background value.
Mercury	SED	Retained	Ten samples exceed the background value.
Nickel	SED	Retained	Twenty-five samples above the background value.
Potassium	SED	Eliminated	All samples are below the background value.
Selenium	SED	Retained	Detected in eleven samples above the sediment background value, and most detection limits exceed the background value.
Silver	SED	Retained	Twenty samples above the background detection limit, as well as some reported as estimated below the background detection limit.
Sodium	SED	Eliminated	All samples are below the background value.
Thallium	SED	Retained	Ten samples above the background value.
Uranium	SED	Eliminated	All samples are below the background value.
Vanadium	SED	Retained	Seven samples above the background value.
Zinc	SED	Retained	Six samples above the background value.

[a] SED = Sediment

3.4.2.1.2 Evaluation of Radionuclides

Cesium-137 is the only radionuclide reported above the background/fallout concentration in any of the surface sediment samples collected (Tables 3.4-5 and 3.4-6). More information on BV derivations may be found in "Inorganic and Radionuclide Background Data for Soils, Canyons, Sediments, and Bandelier Tuff at Los Alamos National Laboratory (RYTI et al. 1998, 58093). Sample 0816-96-0060 was collected at location 16-2749, above the TA-16-260 outfall. The concentration is reported as 1.06 pCi/g. Although bismuth-214, lead-212, lead-214, and thallium-208 were all detected, they are also naturally occurring and not carried forward as COPCs. Cadmium-109, potassium-40, protactinium-231, and protactinium-234M

are not considered to be COPCs because they are analyzed for quality control purposes. Because they are not reliably measured by gamma spectroscopy, actinium-228, lanthanum-140, neptunium-237, radium-224, and radium-226 are also not carried forward as COPCs. This is the standard protocol for evaluating radionuclide data according to LANL SOP 15.12 "Validation of Radionuclide Data."

Table 3.4-5
Frequency of Detected Radionuclides in Cañon de Valle Surface Sediments

Analyte	Media	Number of Analyses	Number of Detects	Concentration Range (pCi/g)	BV/ Fallout Concentration (pCi/g)	Frequency of Detects Above BV/Fallout
Actinium-228	SED[a]	31	28	[0.405][b]–1.41	NC[c]	N/A[d]
Americium-241	SED	31	0	[-0.14–0.124]	0.04	DL[e] > BV[f] (5/31)
Annihilation Radiation	SED	31	1	[-0.411–0.154]	NC	N/A
Bismuth-214	SED	31	27	[0.296]–1.04	NC	N/A
Cadmium-109	SED	31	2	[0.376]–2.42	NC	N/A
Cesium-137	SED	31	12	[0.0104)–1.06	0.9	1/31
Lanthanum-140	SED	31	2	[-47.1]–17	NC	N/A
Lead-212	SED	31	30	0.31–1.55	NC	N/A
Lead-214	SED	31	30	0.267–1.02	NC	N/A
Neptunium-237	SED	31	9	[-0.467]–0.945	NC	N/A
Potassium-40	SED	31	31	16.2–31.1	36.8	0/31
Protactinium-231	SED	31	1	[0.43]–3.2	NC	N/A
Protactinium-234M	SED	31	1	[-1.89–8.92]	NC	N/A
Radium-224	SED	31	4	0.762–2.09	NC	N/A
Radium-226	SED	31	7	[0]–3.65	2.59	3/31
Thallium-208	SED	31	28	0.145–0.462	NC	N/A

[a] SED = Sediment.

[b] Brackets indicate the value is below detection limits, although some analytes may be detected at values within this range.

[c] NC = Not calculated.

[d] N/A = Not applicable.

[e] DL = Detection limit.

[f] BV = Background value.

Table 3.4-6
Radionuclides with Concentrations Greater than Background/Fallout Concentrations in Cañon de Valle Surface Sediments

Analyte[a]	Location ID	Sample ID	Sample Concentration (pCi/g)	Media	Depth (in.)
Cesium-137	16-2749	0816-96-0060	1.06	SED[b]	0–6

[a] Analytes that are: naturally occurring, used for quality control purposes, or not reliably measured by gamma spectroscopy are removed from consideration as COPCs.

[b] SED = Sediment.

3.4.2.1.3 Evaluation of HE

Complete analytical data for HE analyses of the Cañon de Valle alluvial sediments are provided in Appendix I. Validation results for these data are summarized in Appendix C. The data quality assessment is discussed in Section 3.4.1. The amino-dinitrotoluenes, HMX, nitrobenzene, nitrotoluene (3-), RDX, TNT, and trinitrobenzene (1,3,5-) have all been detected in the Cañon de Valle sediments (Tables 3.4-7 and 3.4-8). See Figure 3.4-2 (a-f) for sample locations where HE was detected. HMX is detected in 19 samples, ranging in concentration from 0.96 mg/kg to 170 mg/kg. RDX is detected in 14 samples, ranging in concentration from 0.201 mg/kg to 42 mg/kg. Like barium, the general trend is a decrease in concentration down canyon with scattered high HE concentrations in the vicinity of MDA-P. The exception to this trend is an RDX value of 42 mg/kg at the southern overbank sediment, 0316-97-0475, located approximately 4400 ft below MDA-P (see Figure 3.4-5). All detected HE were carried forward as COPCs in Cañon de Valle sediments (Table 3.4-9).

Table 3.4-7
Frequency of Detected HE in Cañon de Valle Surface Sediments

Analyte	Media	Number of Analyses	EQL [a] (mg/kg)	Concentrations Range (mg/kg)	Frequency of Detects
Amino-2,6-dinitrotoluene[4-]	SED[b]	49	NC[c]	[0.085–2.5][d]	19/49
Amino-4,6-dinitrotoluene[2-]	SED	31	0.26	[0.082]–1.02	6/31
HMX	SED	55	2.2	[0.162]–170	19/55
Nitrobenzene	SED	55	0.26	[0.085–1.3]	1/55
Nitrotoluene[3-]	SED	55	0.25	[0.176–2.5]	1/55
RDX	SED	55	1	[0.16]–42	14/55
Trinitrobenzene[1,3,5-]	SED	55	0.25	[0.078–1.2]	1/55
Trinitrotoluene[2,4,6-]	SED	55	0.25	[0.088–1.8]	10/55

[a] EQL = Estimated quantitation limit.

[b] SED = Sediment .

[c] NC = Not calculated.

[d] Brackets indicate the value is below detection limits, although some analytes may be detected at values within this range.

Table 3.4-8
Detected HE in Samples from Cañon de Valle Sediments

Analyte	Location ID	Distance from 260 Outfall (ft)[a]	Sample ID	Sample Concentration (mg/kg)	Media	Depth (in.)
Amino-2,6-dinitrotoluene[4-]	16-2753	–410	0816-96-0064	0.43	SED[b]	0–6
	16-2754	–250	0816-96-0065	0.908	SED	0–6
	16-2756	130	0816-96-0067	0.238	SED	0–6
	16-2683	240	0316-97-0471	0.56	SED	3–9
	16-2757	280	0816-96-0068	0.523	SED	0–6

Table 3.4-8 continued

Analyte	Location ID	Distance from 260 Outfall (ft)[a]	Sample ID	Sample Concentration (mg/kg)	Media	Depth (in.)
Amino-2,6-dinitrotoluene[4-] (continued)	16-2758	500	0816-96-0069	0.556	SED	0–6
	16-2759	650	0816-96-0070	0.14	SED	0–6
	16-2760	800	0816-96-0071	0.714	SED	0–6
	16-2761	1000	0816-96-0072	0.213	SED	0–6
	16-2685	1050	0316-97-0473	0.79	SED	3–9
	16-2762	1175	0816-96-0073	0.389	SED	0–6
	16-2764	1500	0816-96-0075	0.156	SED	0–6
	16-2763	1650	0816-96-0074	0.521	SED	0–6
	16-2766	1900	0816-96-0077	0.205	SED	0–6
	16-2767	2100	0816-96-0078	0.247	SED	0–6
	16-2767	2100	0816-96-0079R	0.286	SED	0–6
	16-2768	2300	0816-96-0080	0.14	SED	0–6
	16-2774	3400	0816-96-0086	0.168	SED	0–6
	16-2778	4175	0816-96-0090	0.517	SED	0–6
Amino-4,6-dinitrotoluene[2-]	16-2753	–410	0816-96-0064	0.494	SED	0–6
	16-2754	–250	0816-96-0065	0.733	SED	0–6
	16-2758	500	0816-96-0069	0.52	SED	0–6
	16-2760	800	0816-96-0071	1.02	SED	0–6
	16-2763	1350	0816-96-0074	0.537	SED	0–6
	16-2778	4175	0816-96-0090	0.555	SED	0–6
HMX	16-2683	240	0316-97-0471	4.5	SED	3–9
	16-2682	245	0316-97-0470	10	SED	0–6
	16-2757	280	0816-96-0068	43.5	SED	0–6
	16-2760	800	0816-96-0071	19.4	SED	0–6
	16-2761	1000	0816-96-0072	18.1	SED	0–6
	16-2684	1050	0316-97-0472	4.9	SED	3–9
	16-2685	1050	0316-97-0473	1(J)[c]	SED	3–9
	16-2762	1175	0816-96-0073	8.57	SED	0–6
	16-2763	1350	0816-96-0074	6.33	SED	0–6
	16-2767	2100	0816-96-0078	86.1	SED	0–6
	16-2767	2100	0816-96-0079R	170	SED	0–6
	16-2768	2300	0816-96-0080	1.29	SED	0–6
	16-2770	2675	0816-96-0082	33.6	SED	0–6
	16-2778	4175	0816-96-0090	18	SED	0–6
	16-2686	4180	0316-97-0474	1.6(J)	SED	3–12
	16-2687	4185	0316-97-0475	27	SED	0–6
	16-2670	5025	0316-97-0440	0.96(J)	SED	0–6

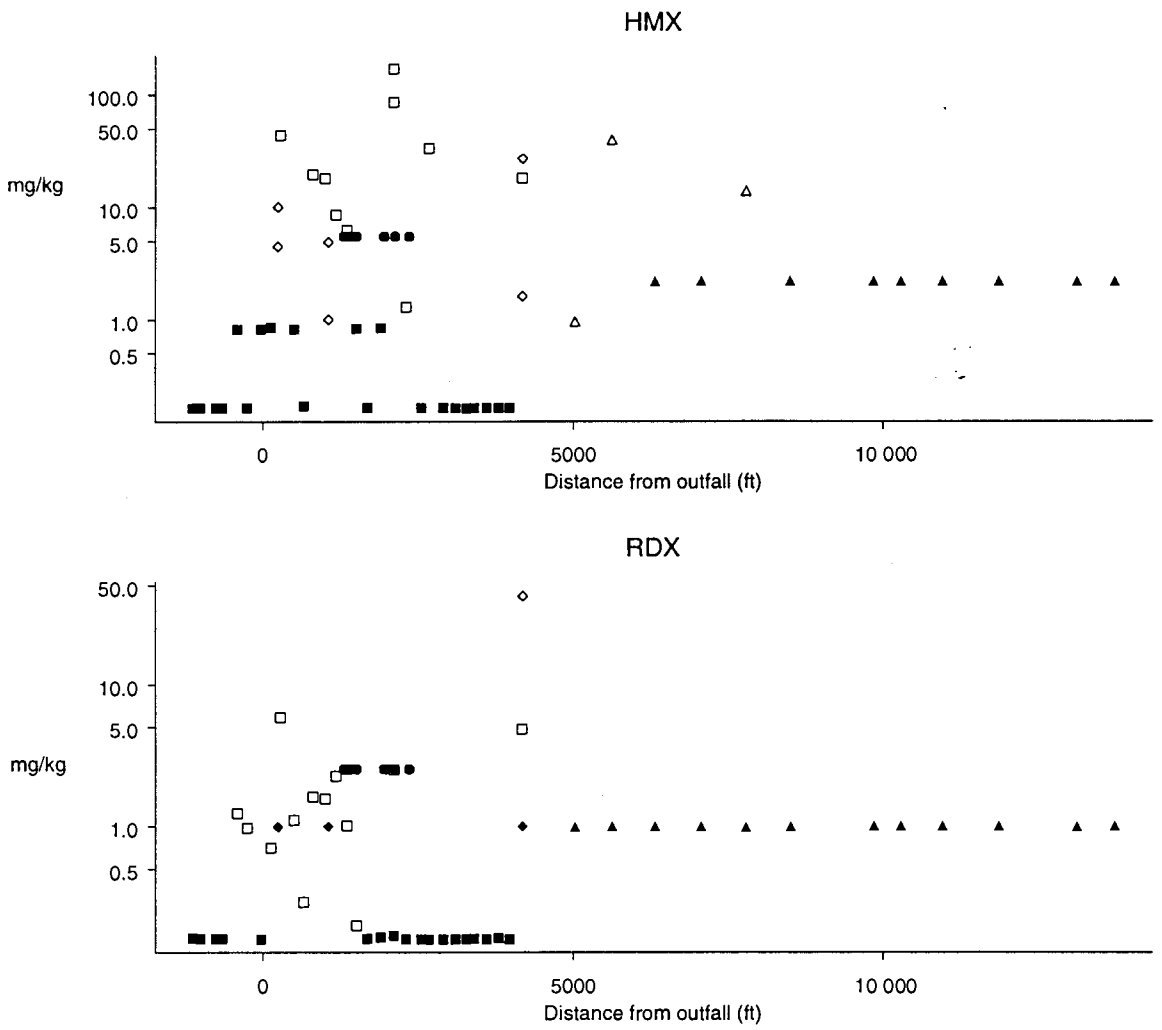
Table 3.4-8 (continued)

Analyte	Location ID	Distance from 260 Outfall (ft)	Sample ID	Sample Concentration (mg/kg)	Media	Depth (in.)
HMX (continued)	16-2671	5625	0316-97-0441	40	SED	0 – 6
	16-2674	7790	0316-97-0444	14	SED	0 – 6
Nitrobenzene	16-2759	650	0816-96-0070	0.088	SED	0 – 6
Nitrotoluene[3-]	16-2773	3275	0816-96-0085	0.354	SED	0 – 6
RDX	16-2753	–410	0816-96-0064	1.24	SED	0 – 6
	16-2754	–250	0816-96-0065	0.974	SED	0 – 6
	16-2756	130	0816-96-0067	0.695	SED	0 – 6
	16-2757	280	0816-96-0068	5.88	SED	0 – 6
	16-2758	500	0816-96-0069	1.1	SED	0 – 6
	16-2759	650	0816-96-0070	0.292	SED	0 – 6
	16-2760	800	0816-96-0071	1.61	SED	0 – 6
	16-2761	1000	0816-96-0072	1.55	SED	0 – 6
	16-2762	1175	0816-96-0073	2.25	SED	0 – 6
	16-2763	1350	0816-96-0074	1.01	SED	0 – 6
	16-2764	1500	0816-96-0075	0.201	SED	0 – 6
	16-2767	2100	0816-96-0078	2.48	SED	0 – 6
	16-2778	2300	0816-96-0090	4.86	SED	0 – 6
	16-2687	4185	0316-97-0475	42	SED	0 – 6
Trinitrobenzene[1,3,5-]	16-2772	3100	0816-96-0084	0.114	SED	0 – 6
Trinitrotoluene[2,4,6-]	16-2753	–410	0816-96-0064	0.447	SED	0 – 6
	16-2754	–250	0816-96-0065	1.35	SED	0 – 6
	16-2683	245	0316-97-0471	1.1	SED	3 – 9
	16-2757	280	0816-96-0068	0.302	SED	0 – 6
	16-2761	1000	0816-96-0072	0.099	SED	0 – 6
	16-2763	1350	0816-96-0074	0.37	SED	0 – 6
	16-2767	2100	0816-96-0079R	0.225	SED	0 – 6
	16-2774	3400	0816-96-0086	0.121	SED	0 – 6
	16-2775	3600	0816-96-0087	0.111	SED	0 – 6
	16-2778	4175	0816-96-0090	0.54	SED	0 – 6

[a] A negative value indicates distance upstream from the TA-16-260 outfall.

[b] SED = Sediment.

[c] J = The reported value is an estimated quantity.



Detected results (mg/kg):

- ○ 1994 channel
- □ 1996 channel
- △ Phase II channel
- ◇ Phase II overbank

Detection limits for non-detected results:

- ● 1994 channel
- ■ 1996 channel
- ▲ Phase II channel
- ◆ Phase II overbank

Figure 3.4-5. Trend plots of HMX and RDX in Cañon de Valle sediments/tuff

Table 3.4-9
Results of HE Data Review for Cañon de Valle Sediments

Analyte	Media	Result	Rationale for Retaining as a COPC
Amino-2,6-dinitrotoluene[4-]	SED	Retained	Detected in 19 samples at levels less than 1 mg/kg.
Amino-4,6-dinitrotoluene[2-]	SED	Retained	Detected in 6 samples at levels up to 1.02 mg/kg.
HMX	SED	Retained	Detected in 19 samples at levels up to 170 mg/kg.
Nitrobenzene	SED	Retained	Detected in 1 sample at 0.088 mg/kg.
Nitrotoluene[3-]	SED	Retained	Detected in 1 sample at 0.354 mg/kg.
RDX	SED	Retained	Detected in 14 samples at levels up to 42 mg/kg.
Trinitrobenzene[1,3,5-]	SED	Retained	Detected in one sample at 0.114 mg/kg.
Trinitrotoluene[2,4,6-]	SED	Retained	Detected in 10 samples at levels less than 1.5 mg/kg.

3.4.2.1.4 Evaluation of Other Organic Chemicals

Complete analytical data for other organic chemical analyses of Cañon de Valle sediment samples are provided in Appendix I. Validation results for these data are summarized in Appendix C. The data quality assessment is discussed in Section 3.4.1.

Locations of detected VOC/SVOCs are shown in Figures 3.4-2 (a-f). Di-n-butylpthalate was reported in 31 of the sediment samples, with the highest concentration (10 mg/kg) located above the confluence of Cañon de Valle with the TA-16-260 outfall (see Figure 3.4-6). This plasticizer can be included in the manufacturing of HE (Sax and Lewis 1987, 34770), although it is unknown whether it was used at TA-16. Other phthalates, bis(2-ethylhexyl)phthalate and diethylphthalate, are also detected in many samples in Cañon de Valle sediments. The remaining organic chemicals represent a scattering of low-level semivolatiles and volatiles that do not have any discernable trend. Table 3.4-10 summarizes the frequency of detected organic chemicals, excluding HE. As a whole, contamination due to non-HE organics was minimal in comparison to HE contamination. All results above the detection limits are shown in Table 3.4-11.

Table 3.4-12 summarizes the organic chemicals retained as COPCs. All are carried forward as COPCs to Sections 5 and 6 for assessment, although several are detected in only one sample. Figure 3.4-2(a–f) identifies the locations of detected results for the major organic chemicals.

3.4.2.2 Alluvial Borehole Sediments and Bandelier Tuff

A total of eight samples were collected from the five alluvial wells drilled in the Cañon de Valle drainage. These data represent strictly phase II sampling. Two of these are sediment samples collected at depth. The other six were collected in Bandelier Tuff. All samples were collected during the Phase II investigation. Request numbers for the laboratory samples are provided in Table 3.4-13. Figure 3.4-2(a–f) identifies all sampling locations and shows the contaminant data for Cañon de Valle sediment/tuff.

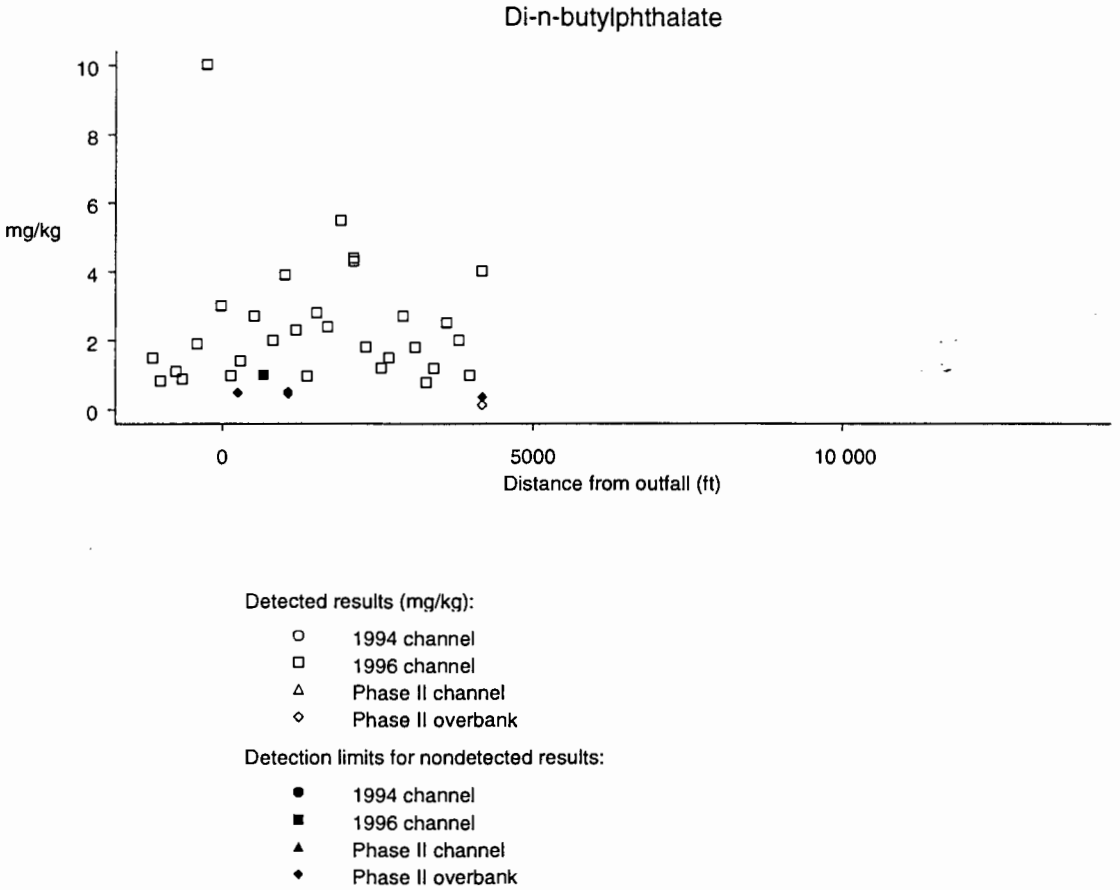


Figure 3.4-6. Trend plot of di-n-butylphthalate in Cañon de Valle sediments

Table 3.4-10
Frequency of Other Organic Chemicals Detected In Samples From Cañon De Valle Sediments

Analyte	Media	Number of Analyses	EQL[a] (mg/kg)	Concentration (mg/kg)	Frequency of Detects
Acetone	SED[b]	12	0.020	[0.012–0.072][c]	1/12
Benzoic acid	SED	37	3.300	0.31–[15]	3/37
Benzyl alcohol	SED	36	1.300	0.24–[6.1]	1/36
Bis(2-ethylhexyl)phthalate	SED	37	0.330	0.065–[1.5]	15/37
Di-n-butylphthalate	SED	37	0.330	0.13–10	31/37
Dichlorodifluoromethane	SED	12	0.010	0.003–[0.026]	3/12
Diethylphthalate	SED	37	0.330	0.18–[1.5]	6/37
Fluoranthene	SED	37	0.330	0.06–[1.5]	1/37
Isopropyltoluene[4-]	SED	12	0.005	[0.006]–0.059	1/12
Phenol	SED	37	0.330	0.34–[1.5]	1/37
Pyrene	SED	37	0.330	0.052–[1.5]	1/37
Toluene	SED	12	0.005	0.005–0.036	4/12
Trichloro-1,2,2-trifluoroethane[1,1,2-]	SED	12	0.005	0.003–[0.013]	1/12
Trichloroflurometh ane	SED	12	0.005	0.002–[0.026]	2/12

[a] EQL = Estimated quantitation limit.
[b] SED = Sediment.
[c] Brackets indicate the value is below detection limits, although some analytes may be detected at values within this range.

Table 3.4-11
Other Organic Analytes With Concentrations Above Detection In Cañon De Valle Sediments

Analyte	Location ID	Distance from 260 Outfall (ft)	Sample ID	Sample Concentration (mg/kg)	Media	Depth (in.)
Acetone	16-2682	245	0316-97-0470	0.048(J)[a]	SED[b]	0–6
Benzoic acid	16-2682	245	0316-97-0470	0.75(J)	SED	0–6
	16-2761	1000	0816-96-0072	0.45(J)	SED	0–6
	16-2767	2100	0816-96-0078	0.31(J)	SED	0–6
Benzyl alcohol	16-2682	245	0316-97-0470	0.24(J)	SED	0–6
Bis(2-ethylhexyl)phthalate	16-2683	240	0316-97-0471	0.065(J)	SED	3–9
	16-2682	245	0316-97-0470	0.13(J)	SED	0–6
	16-2757	280	0816-96-0068	0.49(J)	SED	0–6
	16-2758	500	0816-96-0069	0.2(J)	SED	0–6
	16-2685	1050	0316-97-0473	0.074(J)	SED	3–9
	16-2765	1675	0816-96-0076	0.28(J)	SED	0–6
	16-2766	1900	0816-96-0077	0.26(J)	SED	0–6
	16-2767	2100	0816-96-0079R	0.52(J)	SED	0–6
	16-2772	3100	0816-96-0084	0.24(J)	SED	0–6
	16-2774	3400	0816-96-0086	0.3(J)	SED	0–6
	16-2776	3800	0816-96-0088	0.46(J)	SED	0–6

Table 3.4-11 continued

Analyte	Location ID	Distance from 260 Outfall (ft)	Sample ID	Sample Concentration (mg/kg)	Media	Depth (in.)
Bis(2-ethylhexyl)phthalate (continued)	16-2777	3975	0816-96-0089	0.26(J)	SED	0–6
	16-2778	4175	0816-96-0090	0.74(J)	SED	0–6
	16-2686	4180	0316-97-0474	0.25(J)	SED	3–12
	16-2687	4185	0316-97-0475	0.098(J)	SED	0–6
Dichlorodifluoromethane	16-2683	240	0316-97-0471	0.004(J)	SED	3–9
	16-2686	4180	0316-97-0474	0.003(J)	SED	3–12
	16-2687	4185	0316-97-0475	0.005(J)	SED	0–6
Diethylphthalate	16-2769	2550	0816-96-0081	0.46(J)	SED	0–6
	16-2772	3100	0816-96-0084	0.26(J)	SED	0–6
	16-2773	3275	0816-96-0085	0.47(J)	SED	0–6
	16-2774	3400	0816-96-0086	0.2(J)	SED	0–6
	16-2775	3600	0816-96-0087	0.2(J)	SED	0–6
	16-2777	3975	0816-96-0089	0.18(J)	SED	0–6
Di-n-butylphthalate	16-2749	-1120[c]	0816-96-0060	1.5	SED	0–6
	16-2750	-1000	0816-96-0061	0.83	SED	0–6
	16-2751	-750	0816-96-0062	1.1	SED	0–6
	16-2752	-650	0816-96-0063	0.88	SED	0–6
	16-2753	-410	0816-96-0064	1.9	SED	0–6
	16-2754	-250	0816-96-0065	10	SED	0–6
	16-2755	-30	0816-96-0066	3	SED	0–6
	16-2756	130	0816-96-0067	0.97	SED	0–6
	16-2757	280	0816-96-0068	1.4	SED	0–6
	16-2758	500	0816-96-0069	2.7	SED	0–6
	16-2760	800	0816-96-0071	2	SED	0–6
	16-2761	1000	0816-96-0072	3.9	SED	0–6
	16-2762	1175	0816-96-0073	2.3	SED	0–6
	16-2763	1350	0816-96-0074	0.96	SED	0–6
	16-2764	1500	0816-96-0075	2.8	SED	0–6
	16-2765	1675	0816-96-0076	2.4	SED	0–6
	16-2766	1900	0816-96-0077	5.5	SED	0–6
	16-2767	2100	0816-96-0078	4.4	SED	0–6
	16-2767	2100	0816-96-0079R	4.3	SED	0–6
	16-2768	2300	0816-96-0080	1.8	SED	0–6
	16-2769	2550	0816-96-0081	1.2	SED	0–6
	16-2770	2675	0816-96-0082	1.5	SED	0–6
	16-2771	2900	0816-96-0083	2.7(B)[d]	SED	0–6
	16-2772	3100	0816-96-0084	1.8	SED	0–6
	16-2773	3275	0816-96-0085	0.8(J)	SED	0–6
	16-2774	3400	0816-96-0086	1.2	SED	0–6
	16-2775	3600	0816-96-0087	2.5	SED	0–6
	16-2776	3800	0816-96-0088	2	SED	0–6
	16-2777	3975	0816-96-0089	1	SED	0–6

Table 3.4-11 continued

Analyte	Location ID	Distance from 260 Outfall (ft)	Sample ID	Sample Concentration (mg/kg)	Media	Depth (in.)
Di-n-butylphthalate (continued)	16-2778	4175	0816-96-0090	4	SED	0–6
	16-2686	4180	0316-97-0474	0.13(J)	SED	3–12
Fluoranthene	16-2683	240	0316-97-0471	0.06(J)	SED	3–9
Isopropyltoluene[4-]	16-2682	245	0316-97-0470	0.059	SED	0–6
Phenol	16-2682	245	0316-97-0470	0.34(J)	SED	0–6
Pyrene	16-2683	240	0316-97-0471	0.052(J)	SED	3–9
Toluene	16-2683	240	0316-97-0471	0.01(J)	SED	3–9
	16-2682	245	0316-97-0470	0.006(J)	SED	0–6
	16-2686	4180	0316-97-0474	0.005(J)	SED	3–12
	16-2687	4185	0316-97-0475	0.036(J)	SED	0–6
Trichloro-1,2,2-trifluoroethane[1,1,2-]	16-2685	1050	0316-97-0473	0.003(J)	SED	3–9
Trichlorofluoromethane	16-2683	240	0316-97-0471	0.003(J)	SED	3–9
	16-2686	4180	0316-97-0474	0.002(J)	SED	3–12

[a] J = The reported value is an estimated quantity.

[b] SED = Sediment.

[c] A negative value indicates distance upstream from TA-16-260 outfall.

[d] B = Analyte was also found in the blank.

Table 3.4-12
Results of Other Organic Chemical Data Review for Cañon de Valle Sediments

Analyte	Media	Result	Rationale for Retaining or Eliminating as a COPC
Volatiles			
Acetone	SED[a]	Retained	Reported in one sample at 0.048 mg/kg.
Dichlorodifluoromethane	SED	Retained	Reported in three samples at less than 0.006 mg/kg.
Isopropyltoluene	SED	Retained	Reported in one sample at 0.059 mg/kg.
Toluene	SED	Retained	Reported in four samples at less than 0.01 mg/kg.
Trichloro-1,2,2-trifluoroethane(1,1,2-)	SED	Retained	Reported in one sample at 0.003 mg/kg.
Trichlorofluoromethane	SED	Retained	Reported in two samples at less than 0.004 mg/kg.
Semivolatiles			
Benzoic Acid	SED	Retained	Reported in three samples at less than 0.80 mg/kg.
Benzyl Alcohol	SED	Retained	Reported in one sample at 0.24 mg/kg.
Bis(2-ethylhexyl)phthalate	SED	Retained	Reported in fifteen samples at less than 0.74 mg/kg.
Di-n-butylpthalate	SED	Retained	Reported in thirty-one samples at less than 11 mg/kg.
Diethylphthalate	SED	Retained	Reported in six samples at less than 0.5 mg/kg.
Fluoranthene	SED	Retained	Reported in one sample at 0.06 mg/kg.
Phenol	SED	Retained	Reported in one sample at 0.34 mg/kg.
Pyrene	SED	Retained	Reported in one sample at 0.052 mg/kg.

[a] SED = Sediment.

Table 3.4-13
Summary of Laboratory Samples Taken and Request Numbers in Cañon De Valle Subsurface Samples

Location ID	Sample ID	Depth Start (in.)	Depth End (in.)	Media	VOCS[a]	SVOCS[b]	Inorganic Chemicals	HE
16-2655	0316-97-0401	75	87	Qbt 4	3767R	3767R	3768R	3769R
16-2655	0316-97-0402	132	144	Qbt 4	3767R	3767R	3768R	3769R
16-2656	0316-97-0404	36	42	SED[c]	3908R	3908R	3910R	3909R
16-2657	0316-97-0407	97.2	109.2	Qbt 4	3797R	3797R	3798R	3799R
16-2658	0316-97-0409	60	72	Qbt 4	3741R	3741R	3743R	3742R
16-2658	0316-97-0410	132	144	Qbt 4	3741R	3741R	3743R	3742R
16-2659	0316-97-0412	60	69.6	SED	3741R	3741R	3743R	3742R
16-2659	0316-97-0413	108	120	Qbt 4	3741R	3741R	3743R	3742R

[a] VOCs = Volatile organic compounds.

[b] SVOCs = Semivolatile organic compounds.

[c] SED = Sediment.

3.4.2.2.1 Evaluation of Inorganic Chemicals

Complete analytical data for inorganic chemical analyses of the alluvial BH sediment and tuff samples are provided in Appendix I. Validation results for these data are summarized in Appendix C. The data quality assessment is discussed in Section 3.4.1. Of the inorganics listed in Table 3.4-14, aluminum, antimony, arsenic, iron, lead, magnesium, manganese, and zinc were qualified based on data quality issues.

Barium is reported above the BV for at least one sample in each well except for BH 16-2655, which is located in the steam plant drainage 1830 ft up drainage from the TA-16-260 outfall. Barium concentrations range from 89 mg/kg to 300 mg/kg. Detection levels were above the BVs for several of the inorganics, including antimony, cadmium, cyanide, mercury, selenium, silver, and thallium. All of these were reported as nondetects. The rest of the inorganics are within two times the BV, included in Figures 3.4-2 (a-c).

Table 3.4-14 summarizes the frequency of detected inorganic chemicals and of nondetected chemicals with detection limits exceeding BVs based on the background sediment and tuff data. Results above the BVs, including nondetected results at detection limits above background, are shown in Table 3.4-15. Table 3.4-16 summarizes those inorganic chemicals from Table 3.4-15, which are carried forward as COPCs to Sections 5 and 6.

Table 3.4-14
Frequency of Detected Inorganic Analytes in Cañon de Valle Subsurface Samples

Analyte	Media	Number of Analyses	Number of Detects	Concentration Range (mg/kg)	BV (mg/kg)	Frequency of Detects Above BV
Aluminum	SED[a]	2	2	1920–2200	15400	0/2
	Qbt4	6	6	550–4000	7340	0/6
Antimony	SED	2	0	[0.75–12][b]	0.83	DL[c] > BV[d] (1/2)
	Qbt4	6	0	[0.75–12]	0.5	DL > BV (6/6)
Arsenic	SED	2	2	1.9–3.6	3.98	0/2
	Qbt4	6	6	0.41–2.7	2.79	0/6

Table 3.4-14 continued

Analyte	Media	Number of Analyses	Number of Detects	Concentration Range (mg/kg)	BV (mg/kg)	Frequency of Detects Above BV
Barium	SED	2	2	200–300	127	2/2
	Qbt4	6	6	8.8–279	46	3/6
Beryllium	SED	2	0	[0.62–0.71]	1.31	0/2
	Qbt4	6	3	0.39–0.81	1.21	0/6
Cadmium	SED	2	0	[0.04–0.62]	0.4	DL > BV (1/2)
	Qbt4	6	3	0.04–0.8	1.63	0/6
Calcium	SED	2	2	454–510	4420	0/2
	Qbt4	6	6	340–780	2200	0/6
Chromium, total	SED	2	1	[1.8]–2.1	10.5	0/2
	Qbt4	6	5	[1.2]–8.3	7.14	2/6
Cobalt	SED	2	2	1.4–1.6	4.73	0/2
	Qbt4	6	3	[0.38]–1.8	3.14	0/6
Copper	SED	2	2	1.6–1.9	11.2	0/2
	Qbt4	6	5	[1.2]–4.9	4.66	1/6
Cyanide, total	Qbt4	6	0	[0.21–0.6]	0.5	DL > BV (3/6)
Iron	SED	2	2	4670–5900	13800	0/2
	Qbt4	6	6	1900–8640	14500	0/6
Lead	SED	2	2	5.2–5.6	19.7	0/2
	Qbt4	6	6	1.7–22	11.2	2/6
Magnesium	SED	2	2	150–224	2370	0/2
	Qbt4	6	6	20–420	1690	0/6
Manganese	SED	2	2	234–320	543	0/2
	Qbt4	6	6	127–385	482	0/6
Mercury	SED	2	0	[0.02–0.12]	0.1	DL > BV (1/2)
	Qbt4	6	0	[0.02–0.12]	0.1	DL > BV (3/6)
Nickel	SED	2	0	[1.9–2.5]	9.38	0/2
	Qbt4	6	2	[2.2]–3.4	6.58	0/6
Potassium	SED	2	2	260–274	2690	0/2
	Qbt4	6	6	130–440	3500	0/6
Selenium	SED	2	0	[0.57–1.2]	0.3	DL > BV (2/2)
	Qbt4	6	0	[0.33–1.2]	0.3	DL > BV (6/6)
Silver	SED	2	0	[0.15–2.5]	1	DL > BV (1/2)
	Qbt4	6	0	[0.16–2.4]	1	DL > BV (3/6)
Sodium	SED	2	2	60.8–75	1470	0/2
	Qbt4	6	6	35–172	2770	0/6
Thallium	SED	2	0	[0.57–1.5]	0.73	DL > BV (1/2)
	Qbt4	6	0	[0.17–1.5]	1.1	DL > BV (3/6)
Vanadium	SED	2	2	5.6–6.7	19.7	0/2
	Qbt4	6	5	[1]–4.7	17	0/6
Zinc	SED	2	2	20–23	60.2	0/2
	Qbt4	6	6	10.7–64	63.5	1/6

[a] SED = Sediment.

[b] Brackets indicate the value is below detection limits, although some analytes may be detected at values within this range.

[c] DL = Detection limit.

[d] BV = BV.

Table 3.4-15
Inorganic Analytes with Concentrations Greater Than BVs in Cañon de Valle Subsurface Samples

Analyte	Location ID	Distance from 260 Outfall (ft)	Sample ID	Sample Concentration (mg/kg)	BV (mg/kg)	Media	Depth (in.)
Antimony	16-2655	–1830[a]	0316-97-0401	9.1(U)[b]	0.5	Tuff	75–87
	16-2655	–1830	0316-97-0402	8.9(U)	0.5	Tuff	132–144
	16-2657	140	0316-97-0407	0.75(U)	0.5	Tuff	97.2–109.2
	16-2658	1620	0316-97-0409	11(UJ)[c]	0.5	Tuff	60–72
	16-2658	1620	0316-97-0410	11(UJ)	0.5	Tuff	132–144
	16-2659	3110	0316-97-0412	12(UJ)	0.83	SED[d]	60–69.6
	16-2659	3110	0316-97-0413	12(UJ)	0.5	Tuff	108–120
Barium	16-2656	–10	0316-97-0404	200	127	SED	36–42
	16-2657	140	0316-97-0407	279	46	Tuff	97.2–109.2
	16-2658	1620	0316-97-0409	250	46	Tuff	60–72
	16-2658	1620	0316-97-0410	89	46	Tuff	132–144
	16-2659	3110	0316-97-0412	300	127	SED	60–69.6
Cadmium	16-2659	3110	0316-97-0412	0.62(U)	0.4	SED	60–69.6
Chromium, total	16-2657	140	0316-97-0407	8.3	7.14	Tuff	97.2–109.2
	16-2658	1620	0316-97-0410	7.2	7.14	Tuff	132–144
Copper	16-2658	1620	0316-97-0410	4.9	4.66	Tuff	132–144
Cyanide, total	16-2658	1620	0316-97-0409	0.56(U)	0.5	Tuff	60–72
	16-2658	1620	0316-97-0410	0.56(U)	0.5	Tuff	132–144
	16-2659	3110	0316-97-0413	0.6(U)	0.5	Tuff	108–120
Lead	16-2658	1620	0316-97-0409	22(J–)[e]	11.2	Tuff	60–72
	16-2658	1620	0316-97-0410	22(J–)	11.2	Tuff	132–144
Mercury	16-2658	1620	0316-97-0409	0.11(U)	0.1	Tuff	60–72
	16-2658	1620	0316-97-0410	0.11(U)	0.1	Tuff	132–144
	16-2659	3110	0316-97-0412	0.12(U)	0.1	SED	60–69.6
	16-2659	3110	0316-97-0413	0.12(U)	0.1	Tuff	108–120
Selenium	16-2655	-1830	0316-97-0401	0.33(U)	0.3	Tuff	75–87
	16-2655	-1830	0316-97-0402	0.35(U)	0.3	Tuff	132–144
	16-2656	-10	0316-97-0404	0.57(U)	0.3	SED	36–42
	16-2657	140	0316-97-0407	0.58(U)	0.3	Tuff	97.2–109.2
	16-2658	1620	0316-97-0409	1.1(U)	0.3	Tuff	60–72
Selenium	16-2658	1620	0316-97-0410	1.1(U)	0.3	Tuff	132–144
	16-2659	3110	0316-97-0412	1.2(U)	0.3	SED	60–69.6
	16-2659	3110	0316-97-0413	1.2(U)	0.3	Tuff	108–120
Silver	16-2658	1620	0316-97-0409	2.2(U)	1	Tuff	60–72
	16-2658	1620	0316-97-0410	2.2(U)	1	Tuff	132–144
	16-2659	3110	0316-97-0412	2.5(U)	1	SED	60–69.6
	16-2659	3110	0316-97-0413	2.4(U)	1	Tuff	108–120

Table 3.4-15 continued

Analyte	Location ID	Distance from 260 Outfall (ft)	Sample ID	Sample Concentration (mg/kg)	BV (mg/kg)	Media	Depth (in.)
Thallium	16-2658	1620	0316-97-0409	1.4(U)	1.1	Tuff	60–72
	16-2658	1620	0316-97-0410	1.4(U)	1.1	Tuff	132–144
	16-2659	3110	0316-97-0412	1.5(U)	0.73	SED	60–69.6
	16-2659	3110	0316-97-0413	1.5(U)	1.1	Tuff	108–120
Zinc	16-2658	1620	0316-97-0410	64(J)[f]	63.5	Tuff	132–144

[a] A negative value indicates distance upstream from the TA-16-260 outfall.

[b] U = The analyte was analyzed for, but not detected above the reported estimated quantitation limit or sample detection limit.

[c] UJ = The analyte was analyzed for, but not detected; the associated value is an estimate.

[d] SED = Sediment.

[e] J- = The analyte was positively identified, and the result is likely biased low.

[f] J = The reported value is an estimated quantity

Table 3.4-16

Results of Inorganic Data Review for Cañon de Valle Subsurface Samples

Analyte	Media	Result	Rationale for Retaining or Eliminating as a COPC
Aluminum	SED[a]/tuff	Eliminated	All samples are below the BV.
Antimony	SED/tuff	Retained	Not detected in any sample, but detection limits exceed the BVs.
Arsenic	SED/tuff	Eliminated	All samples are below the BV.
Barium	SED/tuff	Retained	Five samples above the BVs.
Beryllium	SED/tuff	Eliminated	All samples are below the BV.
Cadmium	SED	Retained	Not detected in any sample, but detection limit exceeds the BV.
Calcium	SED/tuff	Eliminated	All samples are below the BV.
Chromium, total	Tuff	Retained	Two samples above the Qbt BV.
Cobalt	SED/tuff	Eliminated	All samples are below the BV.
Copper	Tuff	Retained	One sample above the BV.
Cyanide, total	Tuff	Retained	Not detected in any sample, but detection limits exceed the BV.
Iron	SED/tuff	Eliminated	All samples are below the BV.
Lead	Tuff	Retained	Exceeds BV in two samples.
Magnesium	SED/tuff	Eliminated	All samples are below the BV.
Manganese	SED/tuff	Eliminated	All samples are below the BV.
Mercury	SED/tuff	Retained	Not detected in any sample, but detection limits exceed the BVs.
Nickel	SED/tuff	Eliminated	All samples are below the BV.
Potassium	SED/tuff	Eliminated	All samples are below the BV.
Selenium	SED/tuff	Retained	Not detected in any sample, but detection limits exceed the BVs.
Silver	SED/tuff	Retained	Not detected in any sample, but detection limits exceed the BVs.
Sodium	SED/tuff	Eliminated	All samples are below the BV.
Thallium	SED/tuff	Retained	Not detected in any sample, but detection limits exceed the BVs.
Vanadium	SED/tuff	Eliminated	All samples are below the BV.
Zinc	Tuff	Retained	One sample above the BV.

[a] SED = sediment

3.4.2.2.2 Evaluation of HE

Complete analytical data for HE analyses of the Cañon de Valle BH sediments and tuff are provided in Appendix I. Validation results for these data are summarized in Appendix C. The data quality assessment is discussed in Section 3.4.1. HMX, trinitrobenzene (1,3,5-), and TNT were detected in sample 0316-97-0407 from BH 16-2657 at a depth of 97.2 to 109.2 in. This well is located directly below the confluence of the TA-16-260 outfall drainage into Cañon de Valle. The only other high explosive found in this data set is dinitrobenzene (1,3-) in sediment at a depth of 36 to 42 in. in well 16-2656. Table 3.4-17 summarizes the frequency of detected high explosive chemicals. All results above detection limits are shown in Table 3.4-18, and Table 3.4-19 summarizes the HEs retained as COPCs. All are carried forward as COPCs to Sections 5 and 6.

Table 3.4-17
Frequency of Detected HE in Cañon de Valle Subsurface Sediments

Analyte	Media	Number of Analyses	EQL[a] (mg/kg)	Concentration Range (mg/kg)	Frequency of Detects
Dinitrobenzene[1,3-]	SED[b]	2	0.25	0.097–[0.25][c]	1/2
HMX	Tuff	6	2.2	[2.1]–5.3	1/6
Trinitrobenzene[1,3,5-]	Tuff	6	0.25	[0.25]–0.84	1/6
Trinitrotoluene[2,4,6-]	Tuff	6	0.25	[0.25]–0.3	1/6

[a] EQL = Estimated quantitation limit.
[b] SED = Sediment.
[c] Brackets indicate the value is below detection limits, although some analytes may be detected at values within this range.

Table 3.4-18
Detected HEs in Samples from Cañon de Valle Subsurface Sediments

Analyte	Location ID	Distance from 260 Outfall (ft)	Sample ID	Sample Concentration (mg/kg)	Media	Depth (in.)
Dinitrobenzene[1,3-]	16-2656	–10[a]	0316-97-0404	0.097(J+)[b]	SED[c]	36–42
HMX	16-2657	140	0316-97-0407	5.3	Tuff	97.2–109.2
Trinitrobenzene[1,3,5-]	16-2657	140	0316-97-0407	0.84	Tuff	97.2–109.2
Trinitrotoluene[2,4,6-]	16-2657	140	0316-97-0407	0.3	Tuff	97.2–109.2

[a] A negative value indicates distance upstream from the TA-16-260 outfall.
[b] J+ = The analyte was positively identified, and the result is likely biased high.
[c] SED = Sediment.

Table 3.4-19
Results of HE Data Review for Cañon de Valle Subsurface Sediments

Analyte	Media	Result	Rationale for Retaining as a COPC
Dinitrobenzene (1,3-)	SED[a]	Retained	Detected in one sample, at 0.097 mg/kg.
HMX	Tuff	Retained	Detected in one sample, at 5.3 mg/kg.
Trinitrobenzene(1,3,5-)	Tuff	Retained	Detected in one sample at 0.84 mg/kg.
Trinitrotoluene(2,4,6-)	Tuff	Retained	Detected in one sample, at 0.3 mg/kg.

[a] SED = Sediment.

3.4.2.2.3 Evaluation of Other Organic Chemicals

Complete analytical data for other organic chemical analyses of subsurface Cañon de Valle samples are provided in of Appendix I. Validation results for these data are summarized in Appendix C. Data quality is discussed in Section 3.4.1. Samples 0316-97-0401 and 0316-97–0402 exceeded holding times, causing detected results to be considered estimated. Acetone, bis(2-ethylhexyl)phthalate, and methylene chloride were detected in samples from the subsurface samples in Cañon de Valle. They are all common laboratory contaminants and do not exceed 0.37 mg/kg.

Table 3.4-20 summarizes the frequency of detected organic chemicals, excluding HE. All results above the detection limits are shown in Table 3.4-21.

Table 3.4-22 summarizes those organic chemicals retained as COPCs. All are carried forward as COPCs to Sections 5 and 6 for assessment, although all of these are common laboratory contaminants. Figure 3.4-2 identifies the locations of detected results for the major organic chemicals.

Table 3.4-20
Frequency of Other Detected Organic Chemicals in Subsurface Cañon de Valle Samples

Analyte	Media	Number of Analyses	EQL[a] (mg/kg)	Concentration Range (mg/kg)	Frequency of Detects
Acetone	SED[b]	2	0.020	0.027–0.37	2/2
Acetone	Tuff	6	0.020	[0.024][c]–0.15	4/6
Bis(2-ethylhexyl)phthalate	Tuff	6	0.330	0.18–[0.39]	1/6
Methylene Chloride	Tuff	6	0.005	0.0036–[0.011]	1/6

[a] EQL = Estimated quantitation limit.
[b] SED = Sediment.
[c] Brackets indicate the value is below detection limits, although some analytes may be detected at values within this range.

Table 3.4-21
Other Organic Analytes with Concentrations at or Above Background in Subsurface Cañon de Valle Samples

Analyte	Location ID	Distance from 260 Outfall (ft)	Sample ID	Sample Concentration (mg/kg)	Media	Depth (in)
Acetone	16-2656	–10[a]	0316-97-0404	0.37(J)[b]	SED[c]	36–42
	16-2657	140	0316-97-0407	0.15	Tuff	97.2–109.2
	16-2658	1620	0316-97-0409	0.15	Tuff	60–72
	16-2658	1620	0316-97-0410	0.032	Tuff	132–144
	16-2659	3110	0316-97-0412	0.027	SED	60–69.6
	16-2659	3110	0316-97-0413	0.027	Tuff	108–120
Bis(2-ethylhexyl)phthalate	16-2655	–1830	0316-97-0401	0.18(J)	Tuff	75–87
Methylene Chloride	16-2657	140	0316-97-0407	0.0036(J)	Tuff	97.2–109.2

[a] A negative value indicates distance upstream from the TA-16-260 outfall/canyon confluence.
[b] J = The reported value is an estimated quantity.
[c] SED = Sediment.

Table 3.4-22
Results of Other Organic Data Review for Subsurface Cañon De Valle Samples

Analyte	Media	Result	Rationale for Retaining or Eliminating as a COPC
Volatiles			
Acetone	SED[a]/Tuff	Retained	Reported in six samples above detection
Methylene Chloride	Tuff	Retained	Reported in one sample at 0.18 mg/kg
Semivolatiles			
Bis(2-ethylhexyl)phthalate	Tuff	Retained	Reported in one sample at 0.0036 mg/kg

[a] SED = Sediment.

3.4.2.3 Surface Water

This section provides data from 38 surface water locations: 16-1001, -1002, -1003, -1004, -1005, -1006, -2690, -2757, -2758, -2759, -2760, -2761, -2762, -2763, -2764, -2747, -2765, -2766, -2767, -2748, -2768, -2769, -2770, -2771, -2688, -2772, -2773, -2774, -2775, -2776, -2777, -2778, -2670, -2671, -2689, -2675, 36-10029, and 36-10030. Figure 3.4-7 (a–g) identifies all sample locations and shows contaminant data for all water samples collected, including alluvial water data presented in Section 3.4.2.4. Cañon de Valle surface water samples were collected from the 260 source area to the confluence with Water Canyon. The water samples were collected from different locations during different sampling events. Water was collected in April 1994 from locations 16-1001 through 16-1006. Water was collected in June 1996 from locations 16-2747 and 16-2748 and in September 1996 from locations 16-2757 through 16-2778. Samples were collected in August 1997 from locations 36-10029, 36-10030, and 16-2688, in September 1997 from location 16-2689, and in December 1997 from locations 16-2670, 16-2671, and 16-2690. Water was collected from location 16-2675 in January 1998. Table 3.4-1 presents the sample locations and distances from the 260 source area. Both filtered and unfiltered samples were collected. For most analytes, the differences between the filtered and unfiltered results were small. The samples were analyzed for VOCs, SVOCs, HE, inorganic chemicals, radionuclides, water quality parameters, and nitrates. Table 3.4-23 presents the request numbers for the laboratory samples.

A significant difficulty in analyzing the data from the TA-16 waters is the lack of an NMED-approved background data set with which to compare (Longmire 1998, 59366). Collection of a surface water data set is ongoing. In this section we compare the TA-16 surface water data set to a preliminary surface water data set consisting of surface waters that issue from Los Alamos Canyon and Pajarito Canyon. A simple statistical test (the Wilcoxon) (Gehan 1996, 55611) was used to determine whether the TA-16 data set was greater than this background data set at a specific confidence level. The Wilcoxon two-sample test for surface water data with the background surface water data is described in Appendix D [Statistical and Screening Assessment Calculations]. Further discussion of this preliminary background data set is provided in Appendix D. The full data set used is provided in Appendix I.

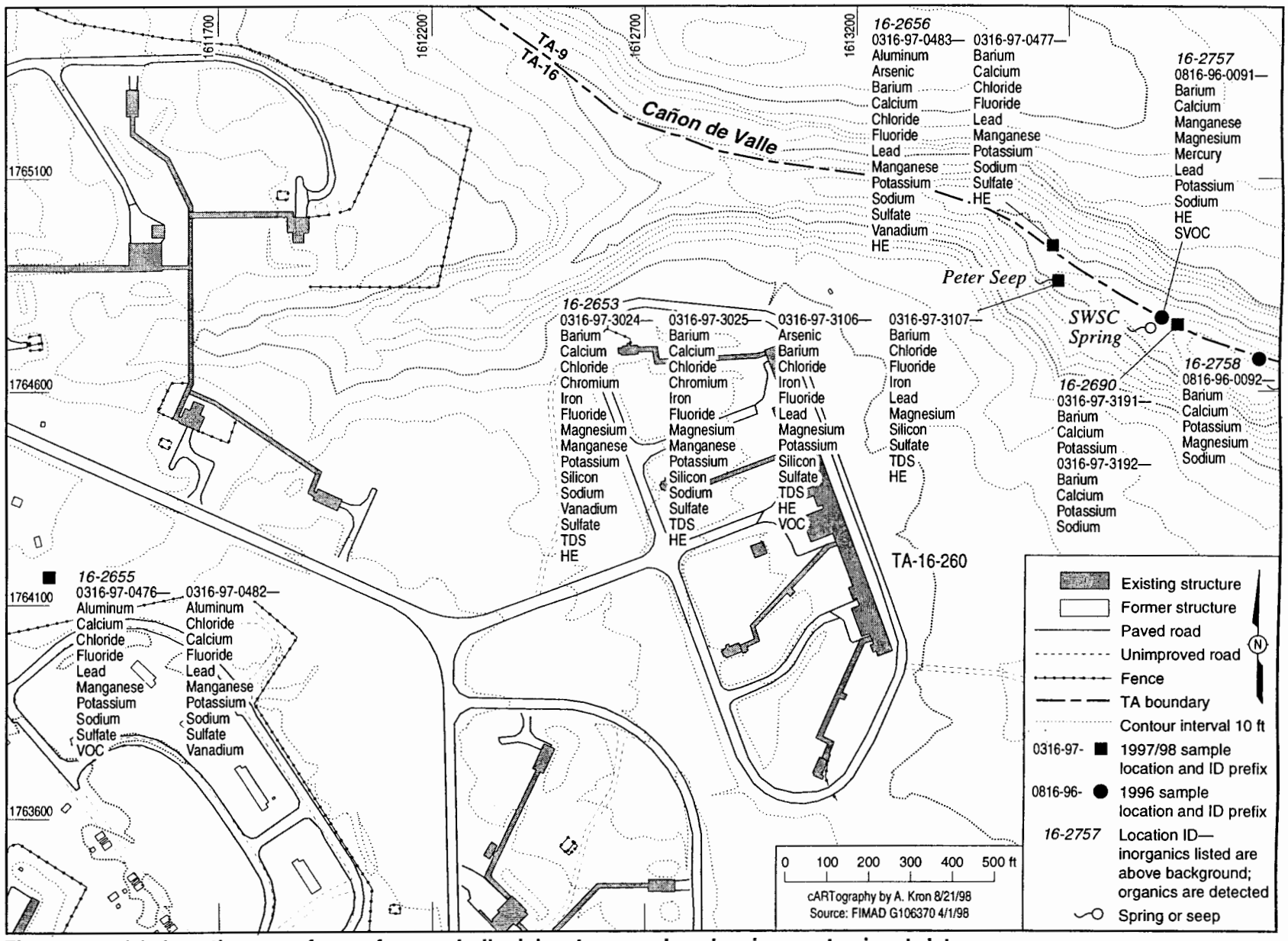


Figure 3.4-7(a). Location map for surface and alluvial water samples showing contaminant data

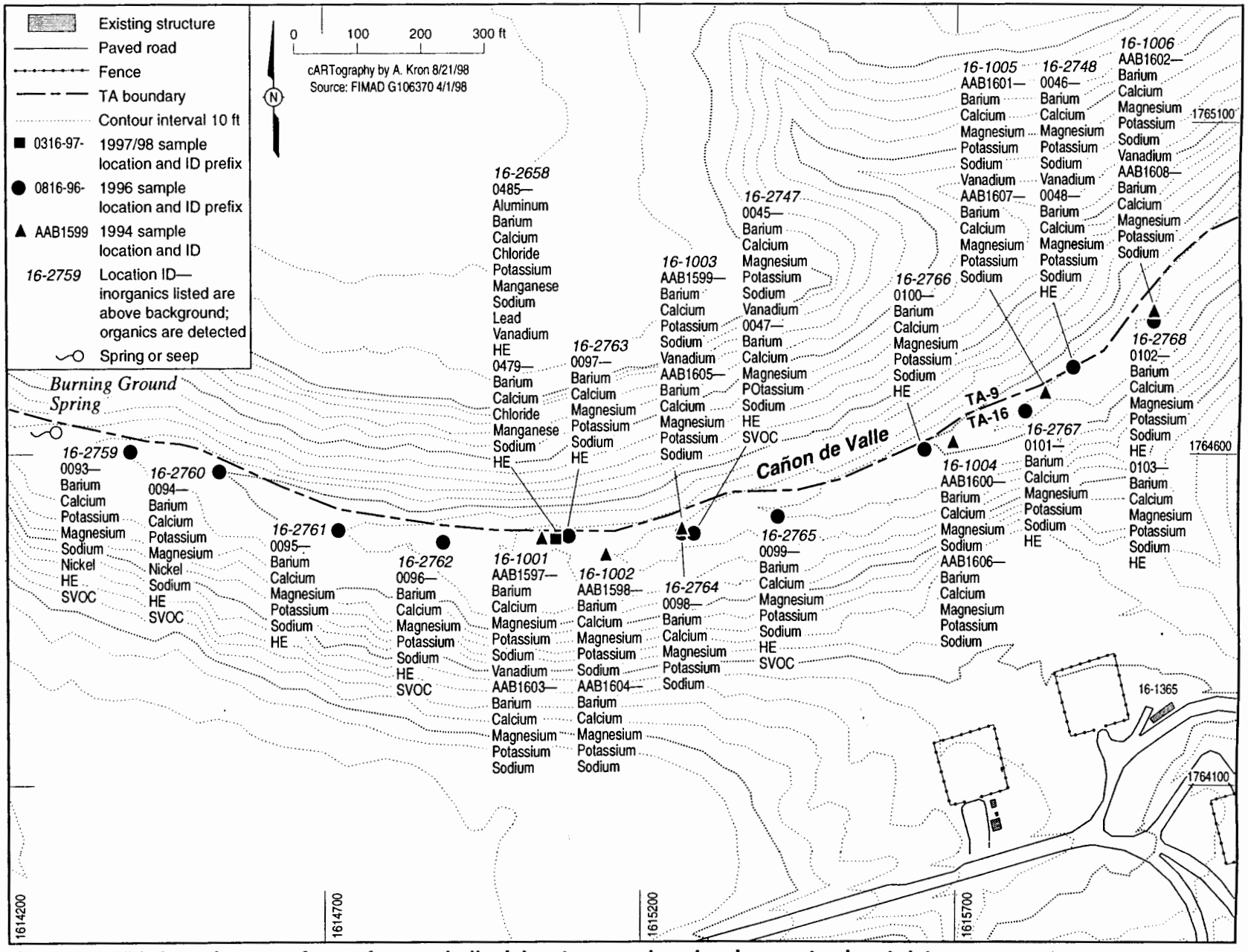


Figure 3.4-7(b). Location map for surface and alluvial water samples showing contaminant data

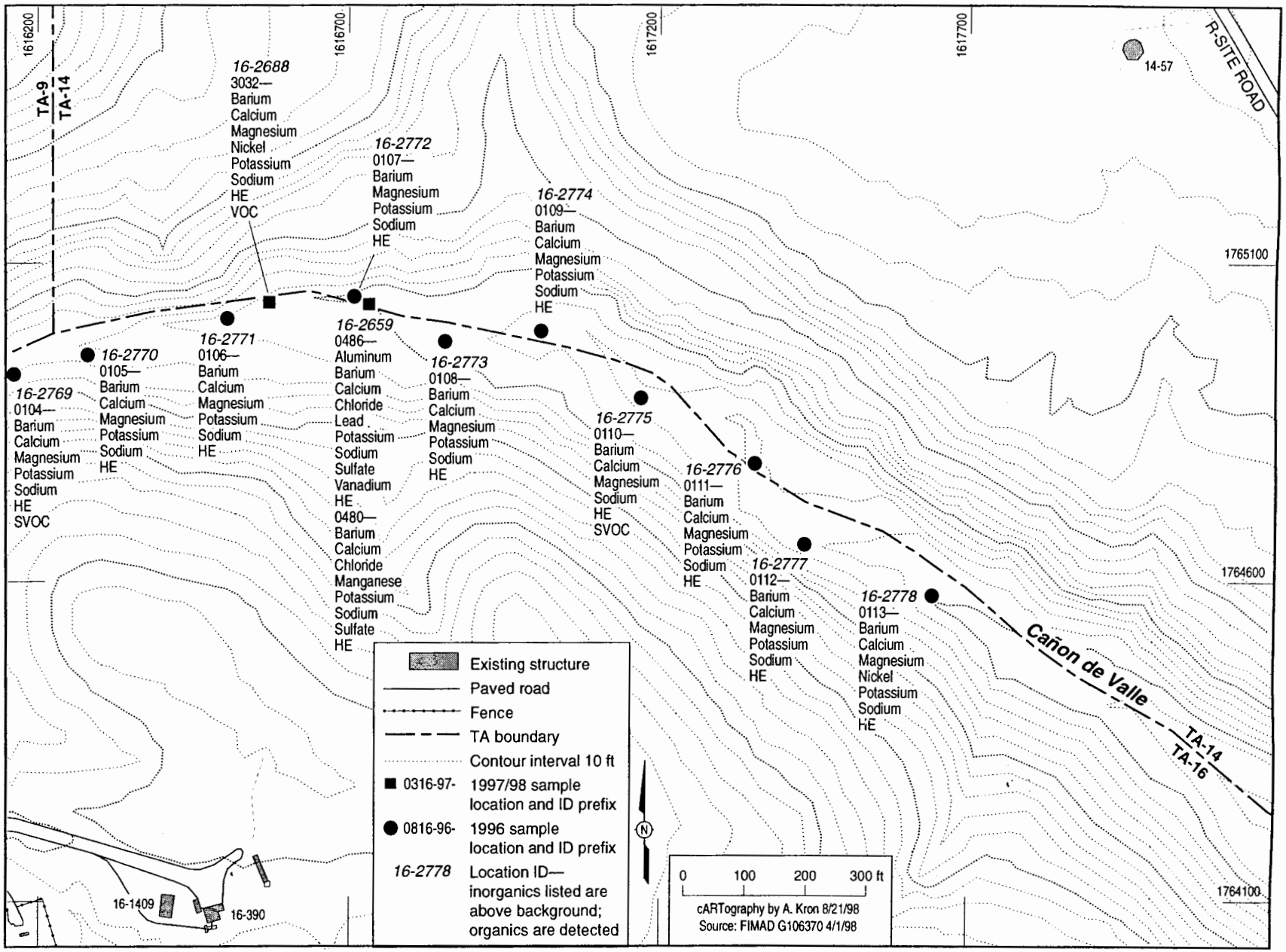


Figure 3.4-7(c). Location map for surface and alluvial water samples showing contaminant data

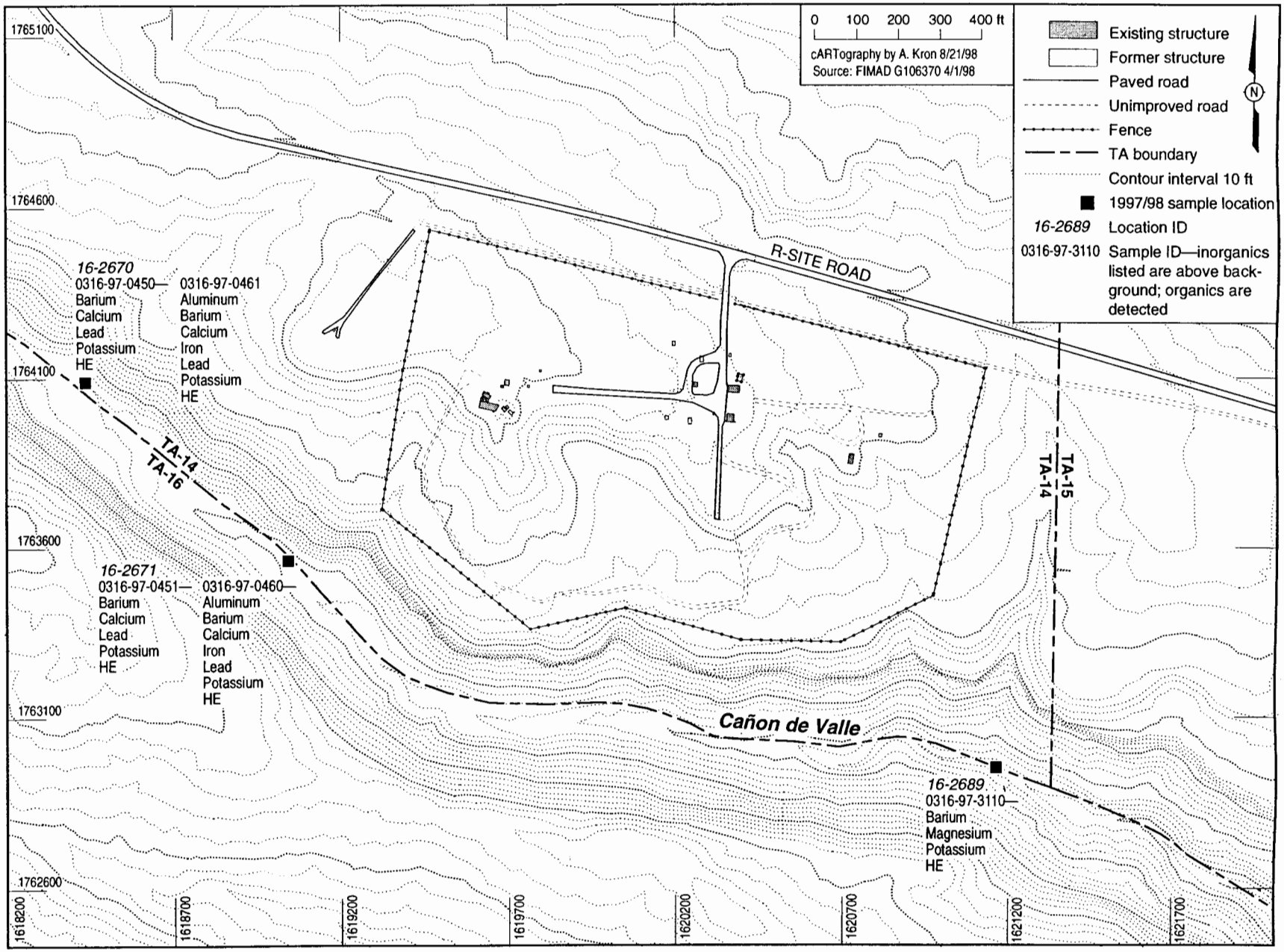


Figure 3.4-7(d). Location map for surface and alluvial water samples showing contaminant data

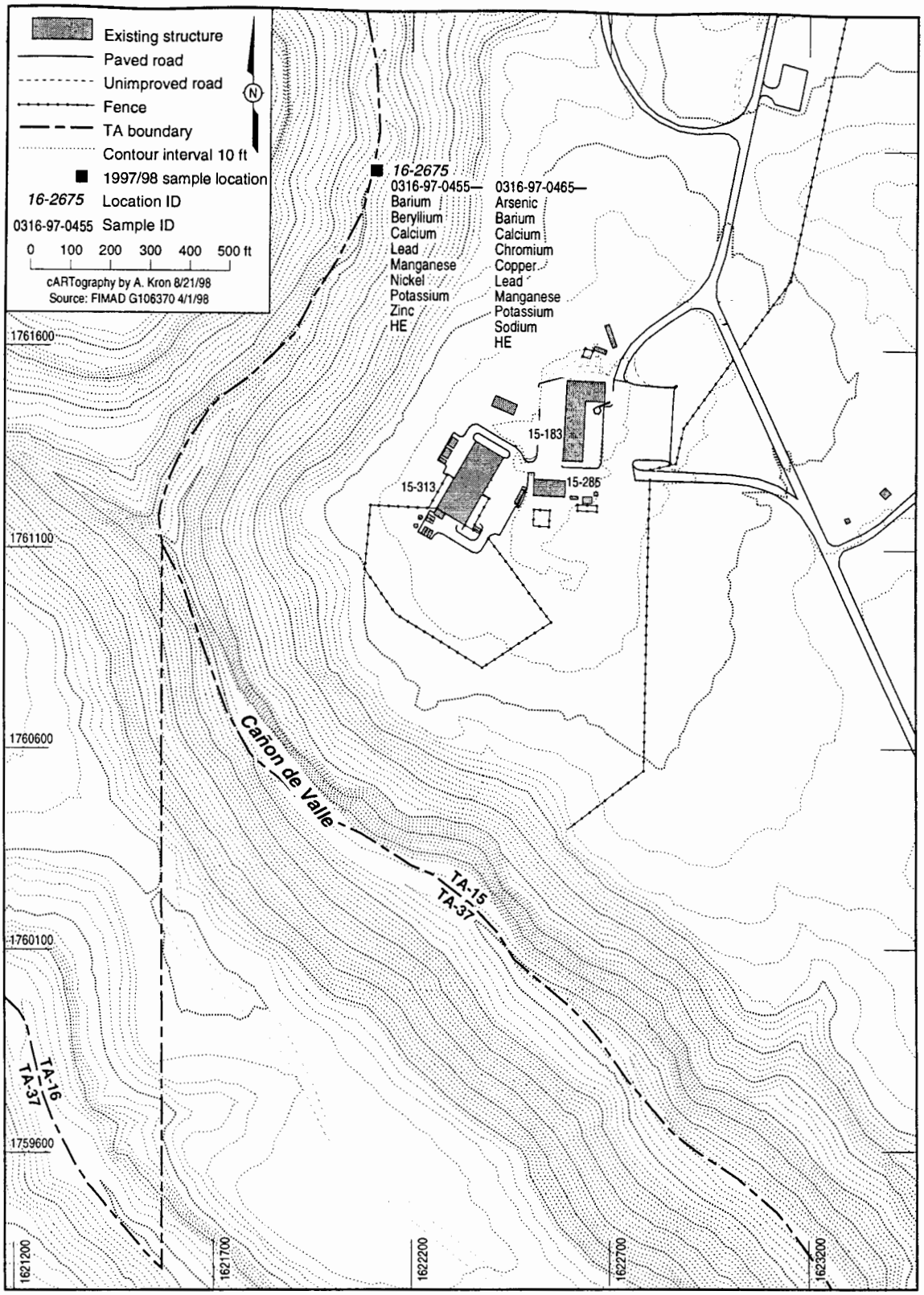


Figure 3.4-7(e). Location map for surface and alluvial water samples showing contaminant data

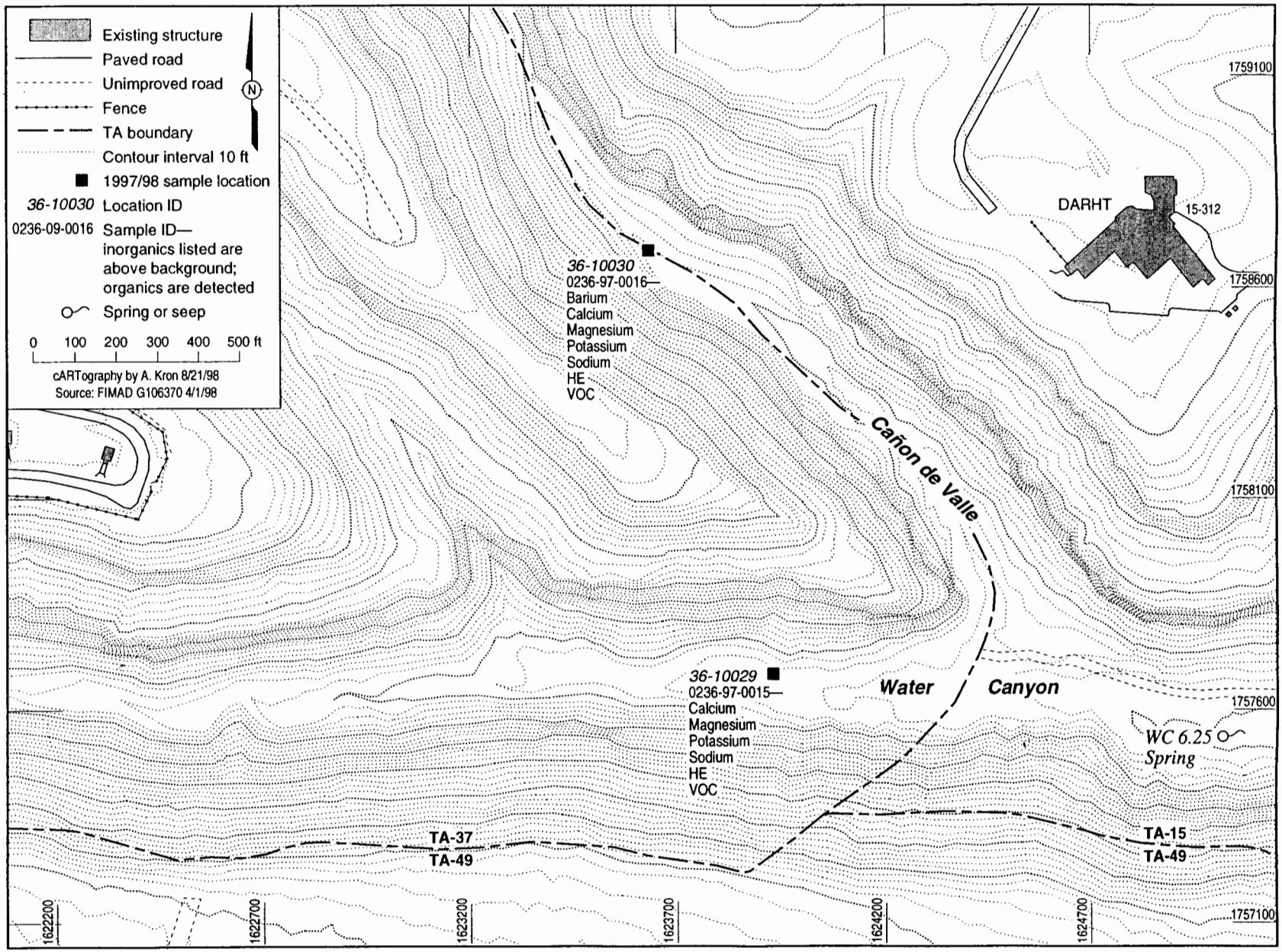


Figure 3.4-7 (f). Location map for surface and alluvial water samples showing contaminant data

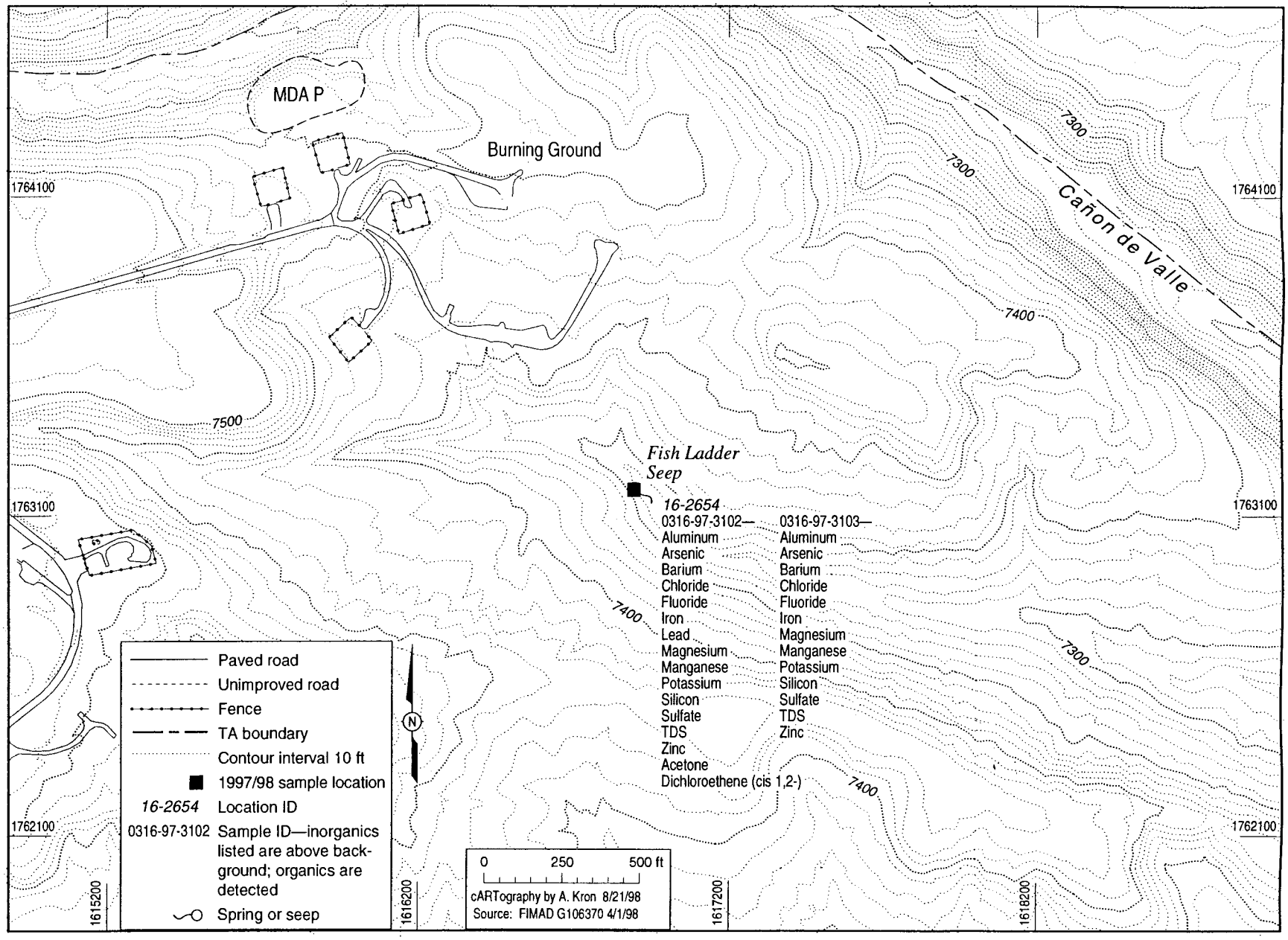


Figure 3.4-7 (g). Location map for surface and alluvial water samples showing contaminant data

Data will be presented in the following categories:

- Major constituents including silicon dioxide, calcium, magnesium, strontium, sodium, potassium, lithium, bicarbonate, sulfate, chlorine, fluorine, bromine, boron, carbonate, and total dissolved solids (TDS)
- Minor constituents including silver, aluminum, arsenic, barium, cadmium, chlorate, cobalt, chromium, cesium, copper, iron, mercury, iodine, manganese, molybdenum, ammonium, nickel, nitrite, nitrate, lead, phosphate, rubidium, antimony, selenium, uranium, and zinc
- HEs
- Other organic analytes
- Stable isotopes

Table 3.4-23
Summary Of Laboratory Samples Taken And Request Numbers In Surface Water

Location ID	Sample ID	Sample Type	Filtered/ Unfiltered	VOCs[a]	SVOCs[b]	HE	Inorganic Chemicals	Radio-nuclides	Water Quality	Nitrates
16-1001	AAB1597	Grab	Filtered	NA[c]	17257	17253	17473	19923	NA	NA
16-1001	AAB1603	Grab	Unfiltered	17268	17256	17250	17473	19940	NA	NA
16-1002	AAB1598	Grab	Filtered	NA	17257	17253	17473	NA	NA	NA
16-1002	AAB1604	Grab	Unfiltered	17265	NA	17254	17473	NA	NA	NA
16-1003	AAB1599	Grab	Filtered	NA	17255	17249	17440	17436	NA	17440
16-1003	AAB1605	Grab	Unfiltered	17265	NA	17254	17473	NA	NA	NA
16-1004	AAB1600	Grab	Filtered	NA	17257	17253	17473	19923	NA	NA
16-1004	AAB1606	Grab	Unfiltered	17265	17256	17254	17473	NA	NA	NA
16-1005	AAB1601	Grab	Filtered	NA	17255	17249	17440	17436	NA	17440
16-1005	AAB1607	Grab	Unfiltered	17268	17256	17250	17473	19940	NA	NA
16-1006	AAB1602	Grab	Filtered	NA	17255	17249	17440	17436	NA	17440
16-1006	AAB1608	Grab	Unfiltered	17268	17256	17250	17473	19940	NA	NA
16-2670	0316-97-0450	Grab	Filtered	NA	NA	3998R[d]	3999R	NA	NA	3999R
16-2670	0316-97-0460	Grab	Unfiltered	NA	NA	3998R	3999R	NA	NA	3999R
16-2671	0316-97-0451	Grab	Filtered	NA	NA	3998R	3999R	NA	NA	3999R
16-2671	0316-97-0461	Grab	Unfiltered	NA	NA	3998R	3999R	NA	NA	3999R
16-2675	0316-97-0455	Grab	Filtered	NA	NA	4044R	4045R	NA	NA	4045R
16-2675	0316-97-0465	Grab	Unfiltered	NA	NA	4044R	4045R	NA	NA	4045R
16-2688	0316-97-3032	Grab	Unfiltered	3574R	3574R	3575R	3576R	NA	NA	NA
16-2689	0316-97-3110	Grab	Unfiltered	3744R	3744R	3745R	3746R	NA	3746R	NA
16-2690	0316-97-3191	Grab	Filtered	4024R	4024R	4025R	4026R	NA	4026R	4026R
16-2690	0316-97-3192	Grab	Unfiltered	4024R	4024R	4025R	4026R	NA	4026R	4026R
16-2747	0816-96-0045	Grab	Filtered	NA	NA	NA	2357	NA	NA	NA
16-2747	0816-96-0047	Grab	Unfiltered	2356	2356	2352	2357	NA	NA	NA
16-2748	0816-96-0046	Grab	Filtered	NA	NA	NA	2357	NA	NA	NA

Table 3.4-23 continued

Location ID	Sample ID	Sample Type	Filtered/ Unfiltered	VOCs	SVOCs	HE	Inorganic Chemicals	Radio-nuclides	Water Quality	Nitrates
16-2748	0816-96-0048	Grab	Unfiltered	2356	2356	2352	2357	NA	NA	NA
16-2757	0816-96-0091	Grab	Unfiltered	2608	2608	2613	2609	2610	NA	2609
16-2758	0816-96-0092	Grab	Unfiltered	2608	2608	2613	2609	2610	NA	2609
16-2759	0816-96-0093	Grab	Unfiltered	2608	2608	2613	2609	2610	NA	2609
16-2760	0816-96-0094	Grab	Unfiltered	2608	2608	2613	2609	2610	NA	2609
16-2761	0816-96-0095	Grab	Unfiltered	2608	2608	2613	2609	2610	NA	2609
16-2762	0816-96-0096	Grab	Unfiltered	2608	2608	2613	2609	2610	NA	2609
16-2763	0816-96-0097	Grab	Unfiltered	2608	2608	2613	2609	2610	NA	2609
16-2764	0816-96-0098	Grab	Unfiltered	2608	2608	NA	2609	2610	NA	2609
16-2765	0816-96-0099	Grab	Unfiltered	2608	2608	2613	2609	2610	NA	2609
16-2766	0816-96-0100	Grab	Unfiltered	2608	2608	2613	2609	2610	NA	2609
16-2767	0816-96-0101	Grab	Unfiltered	2608	2608	2613	2609	2610	NA	2609
16-2768	0816-96-0102	Grab	Unfiltered	2608	2608	2613	2609	2610	NA	2609
16-2768	0816-96-0103R	Grab	Unfiltered	2608	2608	NA	2609	2610	NA	2609
16-2769	0816-96-0104	Grab	Unfiltered	2608	2608	2613	2609	2610	NA	2609
16-2770	0816-96-0105	Grab	Unfiltered	2608	2608	2613	2609	2610	NA	2609
16-2771	0816-96-0106	Grab	Unfiltered	2608	2608	2613	2609	2610	NA	2609
16-2772	0816-96-0107	Grab	Unfiltered	2608	2608	2613	2609	2610	NA	2609
16-2773	0816-96-0108	Grab	Unfiltered	2608	2608	2613	2609	2610	NA	2609
16-2774	0816-96-0109	Grab	Unfiltered	2608	2608	2613	2609	2610	NA	2609
16-2775	0816-96-0110	Grab	Unfiltered	2608	2608	2613	2609	2610	NA	2609
16-2776	0816-96-0111	Grab	Unfiltered	2608	2608	2613	2609	2610	NA	2609
16-2777	0816-96-0112	Grab	Unfiltered	2608	2608	2613	2609	2610	NA	2609
16-2778	0816-96-0113	Grab	Unfiltered	2608	2608	2613	2609	2610	NA	2609
36-10029	0236-97-0015	Grab	Unfiltered	2998	2998	3000R	2999	3001R	NA	NA
36-10030	0236-97-0016	Grab	Unfiltered	2998	2998	3000R	2999	3001R	NA	NA

[a] VOCs = Volatile organic compounds.

[b] SVOCs = Semivolatile organic compounds.

[c] NA = Not analyzed.

[d] R = Field replicate.

This data breakout follows approaches typical in the geochemical literature (e.g., Blake et al. 1995, 49931) and allows consideration of elements likely to control the geochemical behavior of a water separately from those elements present at low concentrations and hence unlikely to strongly influence the geochemical behavior of a water. The first two categories include cations and anions determined routinely during geochemical analyses and a subset of analytes determined in the major constituent/water quality parameters suite (and in the EPA method 6010 metals suite, see Appendix H). Although the analytes in the EPA Method 6010 suite are standard, the water quality parameter suite differs somewhat from laboratory to laboratory. This difference explains why only a subset of the water samples were analyzed for analytes such as bicarbonate. In some cases, an alternate but similar analyte such as alkalinity is provided.

3.4.2.3.1 Evaluation of Inorganic Chemicals

This section presents analytical results for major and minor elements for surface water samples. Complete analytical data for all inorganic compounds is presented in Appendix I. Validation results for the inorganic chemical data are summarized in Appendix C. Data quality assessment is discussed in Section 3.4.1. Some inorganic results for boron, silicon, nitrates, water quality parameters, and all results associated with request 17473 were not validated during baseline validation. The remaining data had minor QA/QC issues associated with them. Some mercury results were rejected due to exceeded holding times and some antimony data were rejected for poor spike recovery. Aluminum, antimony, chromium, copper, lead, manganese, and zinc results were qualified at least once based on QC issues.

Table 3.4-24 summarizes the frequency of detected inorganic chemicals, including the major constituents, minor constituents, and water quality parameters. Results above the detection limits are shown in Table 3.4-25 for historical, non-validated, geochemical data. This data is provided for completeness only and is not explicitly utilized in the COPC data review. Table 3.4-26 presents the sampling results from 1994, 1996, and 1997/1998. Rejected data are included in the number of samples analyzed.

Table 3.4-24
Frequency of Detected Inorganic Chemicals and Water Quality Parameters in Surface Water

Analyte	Media	Number of Analyses	Number of Detects	Concentration Range (µg/l)	Units
Aluminum	Surface water	55	42	51.6–13 600	µg/l
Antimony	Surface water	55	4	2–[50][a]	µg/l
Arsenic	Surface water	55	3	[1.6]–24	µg/l
Barium	Surface water	55	55	99–6490	µg/l
Beryllium	Surface water	55	3	[0.1]–4	µg/l
Cadmium	Surface water	55	3	[0.3]–5.2	µg/l
Calcium	Surface water	55	54	1770–19 000	µg/l
Chromium, total	Surface water	55	4	[0.5–70]	µg/l
Cobalt	Surface water	55	1	[0.4–20]	µg/l
Copper	Surface water	55	6	[0.5]–20	µg/l
Cyanide, total	Surface water	33	2	[3.8–14]	µg/l
Iron	Surface water	55	39	[40–12 000]	µg/l
Lead	Surface water	55	17	1–23	µg/l
Magnesium	Surface water	55	42	[2900]–5890	µg/l
Manganese	Surface water	55	29	[2.4]–2200	µg/l
Mercury	Surface water	55	1	[0.02–0.2]	µg/l
Nickel	Surface water	55	25	1.5–40	µg/l
Nitrogen, nitrate + nitrite (expressed as N)	Surface water	27	11	[50]–1100	µg/l
Nitrogen, nitrate (expressed as NO^3)	Surface water	7	2	[0.05]–810	µg/l

Table 3.4-24 continued

Analyte	Media	Number of Analyses	Number of Detects	Concentration Range (µg/l)	Units
Nitrogen, nitrite (expressed as NO^2)	Surface water	4	2	[50]–810	µg/l
Potassium	Surface water	55	54	1000–4000	µg/l
Selenium	Surface water	55	3	[1.8–34]	µg/l
Silicon	Surface water	2	1	[1]–17 000	µg/l
Silver	Surface water	54	1	[0.67–40]	µg/l
Sodium	Surface water	55	45	[500]–24 300	µg/l
Thallium	Surface water	55	2	[2–68]	µg/l
Uranium	Surface water	27	24	0.09–0.57	µg/l
Vanadium	Surface water	55	13	[1.2]–10.4	µg/l
Zinc	Surface water	56	16	[0.4–70]	µg/l
Alkalinity, total (Methyl Orange [pH = 4.5] endpoint)	Surface water	1	1	67 000	µg/l
Bromide	Surface water	3	0	[2000–4000]	µg/l
Chloride	Surface water	3	3	16 000–25 000	µg/l
Conductivity	Surface water	1	1	160	UMHOS[b]
Fluoride	Surface water	3	1	[100]–200	µg/l
pH	Surface water	1	1	7.75	SU[c]
Solids, total dissolved	Surface water	1	1	150 000	µg/l
Solids, total suspended	Surface water	1	0	[5000]	µg/l
Sulfate	Surface water	3	3	8000–13 000	µg/l
Turbidity	Surface water	1	1	24	NTU[d]

[a] Brackets indicate the value is below detection limits, although some analytes may be detected at values within this range.

[b] UMHOS = mhos.

[c] SU = Standard unit.

[d] NTU = Nephelometric turbidity unit.

Table 3.4-25
Historic Results for Inorganic Chemicals and Water Quality Parameters in Cañon de Valle Surface Water

MAJOR ELEMENTS OF TA-16 WATERS

Sample ID	Description	Date	Boron (mg/l)	Bromine (mg/l)	Calcium (mg/l)	Chlorine (mg/l)	Fluorine (mg/l)	Hydrogen Carbonate (mg/l)	Lithium (mg/l)	Magnesium (mg/l)	Potassium (mg/l)	Sodium (mg/l)	Silicate (mg/l) calc	Sulfate (mg/l)	Strontium (mg/l)	Total Dissolved Solvents (mg/l)	Cation Sum	Anion Sum
Creeks																		
SSite95-1	Cañon de Valle Creek	3/17/95	0.04	0.03	13.5	16.8	0.14	69.9	<0.01	4.12	3.08	18.2	29.10	15.5	0.13	175.5	1.98	1.953
SSite95-2	Cañon de Valle Creek	3/17/95	0.03	0.07	14.8	20.9	0.20	81.0	<0.01	4.48	3.24	22.1	35.74	9.78	0.11	196.8	2.22	2.143
SSite95-3	Cañon de Valle Creek	3/17/95	0.02	0.08	19.6	22.9	0.27	92.6	<0.01	5.48	3.88	22.7	47.08	11.1	0.12	233.6	2.59	2.47
MDA P S-1	Cañon de Valle Creek	4/94	NA[a]	NA	19	NA	NA	NA	NA	5.6	3	21	NC[b]	NA	NA	NC	NC	NC
MDA P S-2	Cañon de Valle Creek	4/94	NA	NA	19	NA	NA	NA	NA	5.5	3.1	20	NC	NA	NA	NC	NC	NC
MDA P S-3	Cañon de Valle Creek	4/94	NA	NA	19	NA	NA	NA	NA	5.5	2.5	20	NC	NA	NA	NC	NC	NC
MDA P S-4	Cañon de Valle Creek	4/94	NA	NA	18	NA	NA	NA	NA	5.3	2.7	20	NC	NA	NA	NC	NC	NC
MDA P S-5	Cañon de Valle Creek	4/94	NA	NA	18	NA	NA	NA	NA	5.2	2.8	20	NC	NA	NA	NC	NC	NC
MDA P S-6	Cañon de Valle Creek	4/94	NA	NA	17	NA	NA	NA	NA	5.1	2.5	20	NC	NA	NA	NC	NC	NC
PP94-52	Snowmelt, Cañon de Valle	4/15/94	<0.01	<0.02	7.56	1.50	0.04	38.0	<0.01	2.26	1.47	3.29	25.89	3.39	0.07	84.4	0.83	0.738
PP94-51	Weirbox, Cañon de Valle	4/15/94	0.04	0.07	15.5	19.8	0.23	82.0	<0.01	4.09	2.89	20.0	35.31	7.76	0.14	191.3	2.15	2.079

Table 3.4-25 continued

MINOR ELEMENTS OF TA-16 WATERS

Sample Id	Description	Date	Silver (mg/L)	Aluminum (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Cobalt (mg/L)	Chromium (mg/L)	Cesium (mg/L)	Copper (mg/L)	Iron (mg/L)	Mercury (mg/L)	Iodine (mg/L)	Manganese (mg/L)	Molybdenum (mg/L)	Ammonium (mg/L)	Nickel (mg/L)	Nitrite (mg/L)	Nitrate (mg/L)	Lead (mg/L)	Phosphate (mg/L)	Rubidium (mg/L)	Antimony (mg/L)	Selenium (mg/L)	Thiosulfate (mg/L)	Zinc (mg/L)
Creeks																											
Ssite95-1	Cañon de Valle Creek	3/17/95	<0.0005	0.51	3E-04	3.28	0.002	<0.002	<0.002	<0.002	0.03	0.58	<0.0002	<0.01	0.04	<0.002	0.21	<0.002	<0.02	0.10	0	<0.05	0	4E-04	<0.0002	<0.01	0.15
Ssite95-2	Cañon de Valle Creek	3/17/95	<0.0005	0.68	8E-04	2.44	<0.0002	<0.002	<0.002	<0.002	0.020	0.32	<0.0002	<0.01	0.01	<0.002	0.26	0.01	<0.02	0.55	<0.002	<0.05	0	2E-04	<0.0002	<0.01	0.02
Ssite95-3	Cañon de Valle Creek	3/17/95	<0.0005	2.39	6E-04	0.43	<0.0002	<0.002	<0.002	<0.002	0.020	0.97	<0.0002	<0.01	<0.01	<0.002	0.20	0	<0.02	3.71	<0.002	<0.05	0.01	<0.0002	<0.0002	<0.01	0.02
MDA P S-1	Cañon de Valle Creek	4/94	ND[c]	0.31	ND	3	ND	ND	ND	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	0.1	ND	NA	NA	ND	ND	NA	ND
MDA P S-2	Cañon de Valle Creek	4/94	ND	0.56	ND	3	ND	ND	ND	NA	ND	0.34	ND	NA	ND	NA	NA	ND	NA	0.12	ND	NA	NA	ND	ND	NA	ND
MDA P S-3	Cañon de Valle Creek	4/94	ND	0.74	ND	3.1	ND	ND	ND	NA	ND	0.35	ND	NA	ND	NA	NA	ND	NA	ND	ND	NA	NA	ND	0.003	NA	ND
MDA P S-4	Cañon de Valle Creek	4/94	ND	0.37	ND	3.4	ND	ND	ND	NA	ND	0.31	ND	NA	ND	NA	NA	ND	NA	ND	ND	NA	NA	ND	ND	NA	ND
MDA P S-5	Cañon de Valle Creek	4/94	ND	0.18	ND	3.4	ND	ND	ND	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	ND	ND	NA	NA	ND	ND	NA	ND
MDA P S-6	Cañon de Valle Creek	4/94	ND	ND	ND	3.3	ND	ND	ND	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	ND	ND	NA	NA	0.003	ND	NA	ND
PP94-52	Snowmelt, Cañon de Valle	4/15/94	<0.0005	0.59	<0.0005	0.05	4E-04	<0.002	<0.002	<0.002	0.01	0.20	<0.0002	<0.01	<0.01	<0.002	0.08	<0.002	<0.02	<0.02	<0.002	<0.05	<0.002	<0.0002	<0.0002	<0.01	<0.01
PP94-51	Weirbox, Cañon de Valle	4/15/94	<0.0005	0.29	0.002	2.90	<0.0002	<0.002	<0.002	<0.002	0	0.16	6E-04	<0.01	0.02	<0.002	0.11	0.01	<0.02	<0.02	<0.002	<0.05	0	<0.0002	<0.0002	<0.01	<0.01

[a] NA = Not Analyzed.
[b] NC = Not Calculated.
[c] ND= Not Detected.

Table 3.4-26

Results for Inorganic Chemicals and Physical Parameters in Cañon de Valle Surface Water

Analyte	Location ID	Distance From 260 Outfall (ft)	Sample ID	Sample Concentration (µg/l)	Media	Collection Date	Field Prep	Units
Aluminum	36-10029	N/A[a]	0236-97-0015	7340	water	27-Mar-97	Unfiltered	µg/l
	16-2757	280	0816-96-0091	4110(J+)[b]	water	6-Sep-96	Unfiltered	µg/l
	16-2690	300	0316-97-3192	300	water	19-Dec-97	Unfiltered	µg/l
	16-2758	500	0816-96-0092	320(J+)	water	6-Sep-96	Unfiltered	µg/l
	16-2759	650	0816-96-0093	295(J+)	water	06-Sep-96	Unfiltered	µg/l
	16-2760	800	0816-96-0094	773(J+)	water	06-Sep-96	Unfiltered	µg/l
	16-2761	1000	0816-96-0095	746(J+)	water	06-Sep-96	Unfiltered	µg/l
	16-2762	1175	0816-96-0096	978(J+)	water	06-Sep-96	Unfiltered	µg/l
	16-1001	1300	AAB1597	120	water	18-Apr-94	Filtered	µg/l
	16-1001	1300	AAB1603	310	water	18-Apr-94	Unfiltered	µg/l
	16-2763	1350	0816-96-0097	574(J+)	water	06-Sep-96	Unfiltered	µg/l
	16-1002	1400	AAB1598	150	water	18-Apr-94	Filtered	µg/l
	16-1002	1400	AAB1604	560	water	18-Apr-94	Unfiltered	µg/l
	16-2764	1500	0816-96-0098	660(J+)	water	06-Sep-96	Unfiltered	µg/l
	16-1003	1500	AAB1599	151	water	18-Apr-94	Filtered	µg/l
	16-1003	1500	AAB1605	740	water	18-Apr-94	Unfiltered	µg/l
	16-2747	1530	0816-96-0045	700	water	28-Jun-96	Filtered	µg/l
	16-2747	1530	0816-96-0047	3250	water	28-Jun-96	Unfiltered	µg/l
	16-2765	1675	0816-96-0099	579(J+)	water	06-Sep-96	Unfiltered	µg/l
	16-2766	1900	0816-96-0100	524(J+)	water	06-Sep-96	Unfiltered	µg/l
	16-1004	1950	AAB1606	370	water	18-Apr-94	Unfiltered	µg/l
	16-2767	2100	0816-96-0101	1190(J+)	water	06-Sep-96	Unfiltered	µg/l
	16-1005	2125	AAB1601	51.6	water	18-Apr-94	Filtered	µg/l
	16-1005	2125	AAB1607	180	water	18-Apr-94	Unfiltered	µg/l
	16-2748	2200	0816-96-0046	391	water	28-Jun-96	Filtered	µg/l
	16-2748	2200	0816-96-0048	2920	water	28-Jun-96	Unfiltered	µg/l
	16-2768	2300	0816-96-0102	255(J+)	water	06-Sep-96	Unfiltered	µg/l
	16-2768	2300	0816-96-0103R	382(J+)	water	06-Sep-96	Unfiltered	µg/l
	16-1006	2350	AAB1602	281	water	18-Apr-94	Filtered	µg/l
	16-2769	2550	0816-96-0104	328(J+)	water	06-Sep-96	Unfiltered	µg/l
	16-2770	2675	0816-96-0105	382(J+)	water	06-Sep-96	Unfiltered	µg/l
	16-2771	2900	0816-96-0106	254(J+)	water	06-Sep-96	Unfiltered	µg/l
	16-2688	2975	0316-97-3032	664	water	13-Aug-97	Unfiltered	µg/l
	16-2772	3100	0816-96-0107	475(J+)	water	06-Sep-96	Unfiltered	µg/l
	16-2773	3275	0816-96-0108	534(J+)	water	06-Sep-96	Unfiltered	µg/l
	16-2774	3400	0816-96-0109	216(J+)	water	06-Sep-96	Unfiltered	µg/l
	16-2775	3600	0816-96-0110	197(J+)	water	06-Sep-96	Unfiltered	µg/l

Table 3.4-26 continued

Analyte	Location ID	Distance from 260 Outfall (ft)	Sample ID	Sample Concentration (µg/l)	Media	Collection Date	Field Prep	Units
Aluminum (continued)	16-2670	5025	0316-97-0460	100	Water	15-Dec-97	Unfiltered	µg/l
	16-2671	5625	0316-97-0461	200	Water	15-Dec-97	Unfiltered	µg/l
	16-2671	5625	0316-97-0461	200	Water	15-Dec-97	Unfiltered	µg/l
	16-2689	7400	0316-97-3110	2300	Water	22-Sep-97	Unfiltered	µg/l
	36-10030	12 600	0236-97-0016	13 600	Water	27-Mar-97	Unfiltered	µg/l
Antimony	16-1001	1300	AAB1597	4	Water	18-Apr-94	Filtered	µg/l
	16-1002	1400	AAB1598	3	Water	18-Apr-94	Filtered	µg/l
	16-1004	1950	AAB1600	2	Water	18-Apr-94	Filtered	µg/l
	16-1006	2350	AAB1608	3	Water	18-Apr-94	Unfiltered	µg/l
Arsenic	16-2747	1530	0816-96-0045	5.6(J)[c]	Water	28-Jun-96	Filtered	µg/l
	16-2689	7400	0316-97-3110	24	Water	22-Sep-97	Unfiltered	µg/l
	16-2675	8500	0316-97-0465	5	Water	6-Jan-98	Unfiltered	µg/l
Barium	36-10029	N/A	0236-97-0015	99(J)	Water	27-Mar-97	Unfiltered	µg/l
	16-2757	280	0816-96-0091	6520	Water	6-Sep-96	Unfiltered	µg/l
	16-2690	300	0316-97-3191	630	Water	19-Dec-97	Filtered	µg/l
	16-2690	300	0316-97-3192	630	Water	19-Dec-97	Unfiltered	µg/l
	16-2758	500	0816-96-0092	4190	Water	6-Sep-96	Unfiltered	µg/l
	16-2759	650	0816-96-0093	4200	Water	6-Sep-96	Unfiltered	µg/l
	16-2760	800	0816-96-0094	1540	Water	6-Sep-96	Unfiltered	µg/l
	16-2761	1000	0816-96-0095	1590	Water	6-Sep-96	Unfiltered	µg/l
	16-2762	1175	0816-96-0096	1700	Water	6-Sep-96	Unfiltered	µg/l
	16-1001	1300	AAB1597	2900	Water	18-Apr-94	Filtered	µg/l
	16-1001	1300	AAB1603	3000	Water	18-Apr-94	Unfiltered	µg/l
	16-2763	1350	0816-96-0097	1570	Water	6-Sep-96	Unfiltered	µg/l
	16-1002	1400	AAB1598	3000	Water	18-Apr-94	Filtered	µg/l
	16-1002	1400	AAB1604	3000	Water	18-Apr-94	Unfiltered	µg/l
	16-2764	1500	0816-96-0098	1640	Water	6-Sep-96	Unfiltered	µg/l
	16-1003	1500	AAB1599	2890	Water	18-Apr-94	Filtered	µg/l
	16-1003	1500	AAB1605	3100	Water	18-Apr-94	Unfiltered	µg/l
	16-2747	1530	0816-96-0045	3620	Water	28-Jun-96	Filtered	µg/l
	16-2747	1530	0816-96-0047	4050	Water	28-Jun-96	Unfiltered	µg/l
	16-2765	1675	0816-96-0099	1700	Water	6-Sep-96	Unfiltered	µg/l
	16-2766	1900	0816-96-0100	2320	Water	6-Sep-96	Unfiltered	µg/l
	16-1004	1950	AAB1600	3300	Water	18-Apr-94	Filtered	µg/l
	16-1004	1950	AAB1606	3400	Water	18-Apr-94	Unfiltered	µg/l
	16-2767	2100	0816-96-0101	2900	Water	6-Sep-96	Unfiltered	µg/l
	16-1005	2125	AAB1601	3060	Water	18-Apr-94	Filtered	µg/l
	16-1005	2125	AAB1607	3400	Water	18-Apr-94	Unfiltered	µg/l
	16-2748	2200	0816-96-0046	4210	Water	28-Jun-96	Filtered	µg/l
	16-2748	2200	0816-96-0048	4410	Water	28-Jun-96	Unfiltered	µg/l
	16-2768	2300	0816-96-0102	2650	Water	6-Sep-96	Unfiltered	µg/l
	16-2768	2300	0816-96-0103R	2660	Water	6-Sep-96	Unfiltered	µg/l
	16-1006	2350	AAB1602	3200	Water	18-Apr-94	Filtered	µg/l
	16-1006	2350	AAB1608	3300	Water	18-Apr-94	Unfiltered	µg/l
	16-2769	2550	0816-96-0104	2680	Water	6-Sep-96	Unfiltered	µg/l

Table 3.4-26 continued

Analyte	Location ID	Distance from 260 Outfall (ft)	Sample ID	Sample Concentration (µg/l)	Media	Collection Date	Field Prep	Units
Barium (continued)	16-2770	2675	0816-96-0105	2730	Water	6-Sep-96	Unfiltered	µg/l
	16-2771	2900	0816-96-0106	2700	Water	6-Sep-96	Unfiltered	µg/l
	16-2688	2975	0316-97-3032	4170	Water	13-Aug-97	Unfiltered	µg/l
	16-2772	3100	0816-96-0107	2930	Water	6-Sep-96	Unfiltered	µg/l
	16-2773	3275	0816-96-0108	6490	Water	6-Sep-96	Unfiltered	µg/l
	16-2774	3400	0816-96-0109	6320	Water	6-Sep-96	Unfiltered	µg/l
	16-2775	3600	0816-96-0110	6390	Water	6-Sep-96	Unfiltered	µg/l
	16-2776	3800	0816-96-0111	6400	Water	6-Sep-96	Unfiltered	µg/l
	16-2777	3975	0816-96-0112	6460	Water	6-Sep-96	Unfiltered	µg/l
	16-2778	4175	0816-96-0113	6350	Water	6-Sep-96	Unfiltered	µg/l
	16-2670	5025	0316-97-0450	4200	Water	15-Dec-97	Filtered	µg/l
	16-2670	5025	0316-97-0450	4400	Water	15-Dec-97	Filtered	µg/l
	16-2670	5025	0316-97-0460	4300	Water	15-Dec-97	Unfiltered	µg/l
	16-2670	5025	0316-97-0460	4400	Water	15-Dec-97	Unfiltered	µg/l
	16-2671	5625	0316-97-0451	4070	Water	15-Dec-97	Filtered	µg/l
	16-2671	5625	0316-97-0451	4700	Water	15-Dec-97	Filtered	µg/l
	16-2675	5625	0316-97-0455	2500	Water	6-Jan-98	Filtered	µg/l
	16-2671	5625	0316-97-0461	4700	Water	15-Dec-97	Unfiltered	µg/l
	16-2671	5625	0316-97-0461	4800	Water	15-Dec-97	Unfiltered	µg/l
	16-2675	5625	0316-97-0465	3600	Water	6-Jan-98	Unfiltered	µg/l
	16-2689	7400	0316-97-3110	3100	Water	22-Sep-97	Unfiltered	µg/l
	36-10030	12 600	0236-97-0016	829	Water	27-Mar-97	Unfiltered	µg/l
Beryllium	16-2747	1530	0816-96-0047	0.12(J)	Water	28-Jun-96	Unfiltered	µg/l
	16-2748	2200	0816-96-0048	0.14(J)	Water	28-Jun-96	Unfiltered	µg/l
	16-2675	8500	0316-97-0455	4	Water	6-Jan-98	Filtered	µg/l
Cadmium	16-2747	1530	0816-96-0045	3.6(J)	Water	28-Jun-96	Filtered	µg/l
	16-2747	1530	0816-96-0047	5.2(J)	Water	28-Jun-96	Unfiltered	µg/l
	16-2748	2200	0816-96-0048	3.9(J)	Water	28-Jun-96	Unfiltered	µg/l
Calcium	36-10029	N/A	0236-97-0015	9760	Water	27-Mar-97	Unfiltered	µg/l
	16-2757	280	0816-96-0091	19 600	Water	6-Sep-96	Unfiltered	µg/l
	16-2690	300	0316-97-3191	18 000	Water	19-Dec-97	Filtered	µg/l
	16-2690	300	0316-97-3192	18 000	Water	19-Dec-97	Unfiltered	µg/l
	16-2758	500	0816-96-0092	17 500	Water	6-Sep-96	Unfiltered	µg/l
	16-2759	650	0816-96-0093	17 400	Water	6-Sep-96	Unfiltered	µg/l
	16-2760	800	0816-96-0094	16 900	Water	6-Sep-96	Unfiltered	µg/l
	16-2761	1000	0816-96-0095	16 900	Water	6-Sep-96	Unfiltered	µg/l
	16-2762	1175	0816-96-0096	17 400	Water	6-Sep-96	Unfiltered	µg/l
	16-1001	1300	AAB1597	18 000	Water	18-Apr-94	Filtered	µg/l
	16-1001	1300	AAB1603	19 000	Water	18-Apr-94	Unfiltered	µg/l
	16-2763	1350	0816-96-0097	16 900	Water	6-Sep-96	Unfiltered	µg/l
	16-1002	1400	AAB1598	18 000	Water	18-Apr-94	Filtered	µg/l
	16-1002	1400	AAB1604	19 000	Water	18-Apr-94	Unfiltered	µg/l
	16-2764	1500	0816-96-0098	17 000	Water	6-Sep-96	Unfiltered	µg/l
	16-1003	1500	AAB1599	15 800	Water	18-Apr-94	Filtered	µg/l
	16-1003	1500	AAB1605	19 000	Water	18-Apr-94	Unfiltered	µg/l

Table 3.4-26 continued

Analyte	Location ID	Distance from 260 Outfall (ft)	Sample ID	Sample Concentration (µg/l)	Media	Collection Date	Field Prep	Units
Calcium (continued)	16-2747	1530	0816-96-0045	16 100	Water	28-Jun-96	Filtered	µg/l
	16-2747	1530	0816-96-0047	17 300	Water	28-Jun-96	Unfiltered	µg/l
	16-2765	1675	0816-96-0099	17 100	Water	6-Sep-96	Unfiltered	µg/l
	16-2766	1900	0816-96-0100	17 400	Water	6-Sep-96	Unfiltered	µg/l
	16-1004	1950	AAB1600	18 000	Water	18-Apr-94	Filtered	µg/l
	16-1004	1950	AAB1606	18 000	Water	18-Apr-94	Unfiltered	µg/l
	16-2767	2100	0816-96-0101	18 000	Water	6-Sep-96	Unfiltered	µg/l
	16-1005	2125	AAB1601	15 300	Water	18-Apr-94	Filtered	µg/l
	16-1005	2125	AAB1607	18 000	Water	18-Apr-94	Unfiltered	µg/l
	16-2748	2200	0816-96-0046	16 600	Water	28-Jun-96	Filtered	µg/l
	16-2748	2200	0816-96-0048	16 800	Water	28-Jun-96	Unfiltered	µg/l
	16-2768	2300	0816-96-0102	17 700	Water	6-Sep-96	Unfiltered	µg/l
	16-2768	2300	0816-96-0103R	17 700	Water	6-Sep-96	Unfiltered	µg/l
	16-1006	2350	AAB1602	15 400	Water	18-Apr-94	Filtered	µg/l
	16-1006	2350	AAB1608	17 000	Water	18-Apr-94	Unfiltered	µg/l
	16-2769	2550	0816-96-0104	17 600	Water	6-Sep-96	Unfiltered	µg/l
	16-2770	2675	0816-96-0105	17 700	Water	6-Sep-96	Unfiltered	µg/l
	16-2771	2900	0816-96-0106	17 500	Water	6-Sep-96	Unfiltered	µg/l
	16-2688	2975	0316-97-3032	17 300	Water	13-Aug-97	Unfiltered	µg/l
	16-2772	3100	0816-96-0107	17 70	Water	6-Sep-96	Unfiltered	µg/l
	16-2773	3275	0816-96-0108	17 900	Water	6-Sep-96	Unfiltered	µg/l
	16-2774	3400	0816-96-0109	17 100	Water	6-Sep-96	Unfiltered	µg/l
	16-2775	3600	0816-96-0110	17 200	Water	6-Sep-96	Unfiltered	µg/l
	16-2776	3800	0816-96-0111	17 100	Water	6-Sep-96	Unfiltered	µg/l
	16-2777	3975	0816-96-0112	17 200	Water	6-Sep-96	Unfiltered	µg/l
	16-2778	4175	0816-96-0113	17 100	Water	6-Sep-96	Unfiltered	µg/l
	16-2670	5025	0316-97-0450	17 000	Water	15-Dec-97	Filtered	µg/l
	16-2670	5025	0316-97-0450	17 000	Water	15-Dec-97	Filtered	µg/l
	16-2670	5025	0316-97-0460	17 000	Water	15-Dec-97	Unfiltered	µg/l
	16-2670	5025	0316-97-0460	18 000	Water	15-Dec-97	Unfiltered	µg/l
	16-2671	5625	0316-97-0451	15 000	Water	15-Dec-97	Filtered	µg/l
	16-2671	5625	0316-97-0451	15 000	Water	15-Dec-97	Filtered	µg/l
	16-2671	5625	0316-97-0461	15 000	Water	15-Dec-97	Unfiltered	µg/l
	16-2671	5625	0316-97-0461	15 000	Water	15-Dec-97	Unfiltered	µg/l
	16-2675	8500	0316-97-0455	11 000	Water	6-Jan-98	Filtered	µg/l
	16-2675	8500	0316-97-0465	13 000	Water	6-Jan-98	Unfiltered	µg/l
	36-10030	12 600	0236-97-0016	8230	Water	27-Mar-97	Unfiltered	µg/l
Chromium, total	16-1003	1500	AAB1599	4.3	Water	18-Apr-94	Filtered	µg/l
	16-1005	2125	AAB1601	3.8	Water	18-Apr-94	Filtered	µg/l
	16-1006	2350	AAB1602	4.2	Water	18-Apr-94	Filtered	µg/l
	16-2675	8500	0316-97-0465	10	Water	6-Jan-98	Unfiltered	µg/l
Cobalt	16-2688	2975	0316-97-3032	5.3(J)	Water	13-Aug-97	Unfiltered	µg/l
Copper	16-2757	280	0816-96-0091	8.1(J)	Water	6-Sep-96	Unfiltered	µg/l
	16-1003	1500	AAB1599	4.6	Water	18-Apr-94	Filtered	µg/l
	16-1005	2125	AAB1601	3.2	Water	18-Apr-94	Filtered	µg/l

Table 3.4-26 continued

Analyte	Location ID	Distance from 260 Outfall (ft)	Sample ID	Sample Concentration (µg/l)	Media	Collection Date	Field Prep	Units
Copper (continued)	16-1006	2350	AAB1602	14.8	Water	18-Apr-94	Filtered	µg/l
	16-2688	2975	0316-97-3032	6(J)	Water	13-Aug-97	Unfiltered	µg/l
	16-2675	8500	0316-97-0465	20	Water	6-Jan-98	Unfiltered	µg/l
Cyanide, total	16-2747	1530	0816-96-0047	12.3(A)[d]	Water	28-Jun-96	Unfiltered	µg/l
	16-2748	2200	0816-96-0048	9.3(J)	Water	28-Jun-96	Unfiltered	µg/l
Iron	36-10029	N/A	0236-97-0015	3620	Water	27-Mar-97	Unfiltered	µg/l
	16-2757	280	0816-96-0091	4470	Water	6-Sep-96	Unfiltered	µg/l
	16-2758	500	0816-96-0092	219	Water	6-Sep-96	Unfiltered	µg/l
	16-2759	650	0816-96-0093	204	Water	6-Sep-96	Unfiltered	µg/l
	16-2760	800	0816-96-0094	475	Water	6-Sep-96	Unfiltered	µg/l
	16-2761	1000	0816-96-0095	445	Water	6-Sep-96	Unfiltered	µg/l
	16-2762	1175	0816-96-0096	646	Water	6-Sep-96	Unfiltered	µg/l
	16-2763	1350	0816-96-0097	376	Water	6-Sep-96	Unfiltered	µg/l
	16-1002	1400	AAB1604	340	Water	18-Apr-94	Unfiltered	µg/l
	16-2764	1500	0816-96-0098	396	Water	6-Sep-96	Unfiltered	µg/l
	16-1003	1500	AAB1599	99.4	Water	18-Apr-94	Filtered	µg/l
	16-1003	1500	AAB1605	350	Water	18-Apr-94	Unfiltered	µg/l
	16-2747	1530	0816-96-0045	424	Water	28-Jun-96	Filtered	µg/l
	16-2747	1530	0816-96-0047	1720	Water	28-Jun-96	Unfiltered	µg/l
	16-2765	1675	0816-96-0099	384	Water	6-Sep-96	Unfiltered	µg/l
	16-2766	1900	0816-96-0100	517	Water	6-Sep-96	Unfiltered	µg/l
	16-1004	1950	AAB1606	310	Water	18-Apr-94	Unfiltered	µg/l
	16-2767	2100	0816-96-0101	2160	Water	6-Sep-96	Unfiltered	µg/l
	16-1005	2125	AAB1601	124	Water	18-Apr-94	Filtered	µg/l
	16-2748	2200	0816-96-0046	289	Water	28-Jun-96	Filtered	µg/l
	16-2748	2200	0816-96-0048	1830	Water	28-Jun-96	Unfiltered	µg/l
	16-2768	2300	0816-96-0102	313	Water	6-Sep-96	Unfiltered	µg/l
	16-2768	2300	0816-96-0103R	412	Water	6-Sep-96	Unfiltered	µg/l
	16-1006	2350	AAB1602	257	Water	18-Apr-94	Filtered	µg/l
	16-2769	2550	0816-96-0104	317	Water	6-Sep-96	Unfiltered	µg/l
	16-2770	2675	0816-96-0105	402	Water	6-Sep-96	Unfiltered	µg/l
	16-2771	2900	0816-96-0106	254	Water	6-Sep-96	Unfiltered	µg/l
	16-2688	2975	0316-97-3032	524	Water	13-Aug-97	Unfiltered	µg/l
	16-2772	3100	0816-96-0107	478	Water	6-Sep-96	Unfiltered	µg/l
	16-2773	3275	0816-96-0108	531	Water	6-Sep-96	Unfiltered	µg/l
	16-2774	3400	0816-96-0109	170	Water	6-Sep-96	Unfiltered	µg/l
	16-2775	3600	0816-96-0110	162	Water	6-Sep-96	Unfiltered	µg/l
	16-2777	3975	0816-96-0112	120	Water	6-Sep-96	Unfiltered	µg/l
	16-2670	5025	0316-97-0460	60	Water	15-Dec-97	Unfiltered	µg/l
	16-2670	5025	0316-97-0460	100	Water	15-Dec-97	Unfiltered	µg/l
	16-2671	5625	0316-97-0461	160	Water	15-Dec-97	Unfiltered	µg/l
	16-2671	5625	0316-97-0461	160	Water	15-Dec-97	Unfiltered	µg/l
	16-2689	7400	0316-97-3110	1300	Water	22-Sep-97	Unfiltered	µg/l
	36-10030	12 600	0236-97-0016	7340	Water	27-Mar-97	Unfiltered	µg/l

Table 3.4-26 continued

Analyte	Location ID	Distance from 260 Outfall (ft)	Sample ID	Sample Concentration (µg/l)	Media	Collection Date	Field Prep	Units
Lead	16-2757	280	0816-96-0091	16	Water	6-Sep-96	Unfiltered	µg/l
	16-2690	300	0316-97-3191	2	Water	19-Dec-97	Filtered	µg/l
	16-2690	300	0316-97-3192	2	Water	19-Dec-97	Unfiltered	µg/l
	16-2747	1530	0816-96-0045	3.7	Water	28-Jun-96	Filtered	µg/l
	16-2747	1530	0816-96-0047	4.5	Water	28-Jun-96	Unfiltered	µg/l
	16-2748	2200	0816-96-0048	2.2(J)	Water	28-Jun-96	Unfiltered	µg/l
	16-2670	5025	0316-97-0450	3	Water	15-Dec-97	Filtered	µg/l
	16-2670	5025	0316-97-0450	4	Water	15-Dec-97	Filtered	µg/l
	16-2670	5025	0316-97-0460	3	Water	15-Dec-97	Unfiltered	µg/l
	16-2670	5025	0316-97-0460	6	Water	15-Dec-97	Unfiltered	µg/l
	16-2671	5625	0316-97-0451	4	Water	15-Dec-97	Filtered	µg/l
	16-2671	5625	0316-97-0451	5	Water	15-Dec-97	Filtered	µg/l
	16-2675	5625	0316-97-0455	2(J)	Water	6-Jan-98	Filtered	µg/l
	16-2671	5625	0316-97-0461	1	Water	15-Dec-97	Unfiltered	µg/l
	16-2689	7400	0316-97-3110	2(J)	Water	22-Sep-97	Unfiltered	µg/l
	16-2675	8500	0316-97-0465	23(J)	Water	6-Jan-98	Unfiltered	µg/l
	36-10030	12 600	0236-97-0016	2.5(J)	Water	27-Mar-97	Unfiltered	µg/l
Magnesium	36-10029	N/A	0236-97-0015	3780(J)	Water	27-Mar-97	Unfiltered	µg/l
	16-2757	280	0816-96-0091	5890	Water	6-Sep-96	Unfiltered	µg/l
	16-2758	500	0816-96-0092	5050	Water	6-Sep-96	Unfiltered	µg/l
	16-2759	650	0816-96-0093	5010	Water	6-Sep-96	Unfiltered	µg/l
	16-2760	800	0816-96-0094	5040	Water	6-Sep-96	Unfiltered	µg/l
	16-2761	1000	0816-96-0095	5030	Water	6-Sep-96	Unfiltered	µg/l
	16-2762	1175	0816-96-0096	5140	Water	6-Sep-96	Unfiltered	µg/l
	16-1001	1300	AAB1597	5300	Water	18-Apr-94	Filtered	µg/l
	16-1001	1300	AAB1603	5600	Water	18-Apr-94	Unfiltered	µg/l
	16-2763	1350	0816-96-0097	5020	Water	6-Sep-96	Unfiltered	µg/l
	16-1002	1400	AAB1598	5400	Water	18-Apr-94	Filtered	µg/l
	16-1002	1400	AAB1604	5500	Water	18-Apr-94	Unfiltered	µg/l
	16-2764	1500	0816-96-0098	5060	Water	6-Sep-96	Unfiltered	µg/l
	16-1003	1500	AAB1605	5500	Water	18-Apr-94	Unfiltered	µg/l
	16-2747	1530	0816-96-0045	4820(J)	Water	28-Jun-96	Filtered	µg/l
	16-2747	1530	0816-96-0047	5200(J)	Water	28-Jun-96	Unfiltered	µg/l
	16-2765	1675	0816-96-0099	5110	Water	6-Sep-96	Unfiltered	µg/l
	16-2766	1900	0816-96-0100	5180	Water	6-Sep-96	Unfiltered	µg/l
	16-1004	1950	AAB1600	5100	Water	18-Apr-94	Filtered	µg/l
	16-1004	1950	AAB1606	5300	Water	18-Apr-94	Unfiltered	µg/l
	16-2767	2100	0816-96-0101	5360	Water	6-Sep-96	Unfiltered	µg/l
	16-1005	2125	AAB1601	4710	Water	18-Apr-94	Filtered	µg/l
	16-1005	2125	AAB1607	5200	Water	18-Apr-94	Unfiltered	µg/l
	16-2748	2200	0816-96-0046	4750(J)	Water	28-Jun-96	Filtered	µg/l
	16-2748	2200	0816-96-0048	5000(J)	Water	28-Jun-96	Unfiltered	µg/l
	16-2768	2300	0816-96-0102	5220	Water	6-Sep-96	Unfiltered	µg/l
	16-2768	2300	0816-96-0103R	5230	Water	6-Sep-96	Unfiltered	µg/l
	16-1006	2350	AAB1602	4770	Water	18-Apr-94	Filtered	µg/l

Table 3.4-26 continued

Analyte	Location ID	Distance from 260 Outfall (ft)	Sample ID	Sample Concentration (µg/l)	Media	Collection Date	Field Prep	Units
Magnesium (continued)	16-1006	2350	AAB1608	5100	Water	18-Apr-94	Unfiltered	µg/l
	16-2769	2550	0816-96-0104	5200	Water	6-Sep-96	Unfiltered	µg/l
	16-2770	2675	0816-96-0105	5260	Water	6-Sep-96	Unfiltered	µg/l
	16-2771	2900	0816-96-0106	5180	Water	6-Sep-96	Unfiltered	µg/l
	16-2688	2975	0316-97-3032	5010	Water	13-Aug-97	Unfiltered	µg/l
	16-2772	3100	0816-96-0107	5230	Water	6-Sep-96	Unfiltered	µg/l
	16-2773	3275	0816-96-0108	5280	Water	6-Sep-96	Unfiltered	µg/l
	16-2774	3400	0816-96-0109	5200	Water	6-Sep-96	Unfiltered	µg/l
	16-2775	3600	0816-96-0110	5220	Water	6-Sep-96	Unfiltered	µg/l
	16-2776	3800	0816-96-0111	5220	Water	6-Sep-96	Unfiltered	µg/l
	16-2777	3975	0816-96-0112	5250	Water	6-Sep-96	Unfiltered	µg/l
	16-2778	4175	0816-96-0113	5220	Water	6-Sep-96	Unfiltered	µg/l
	16-2689	7400	0316-97-3110	3800	Water	22-Sep-97	Unfiltered	µg/l
	36-10030	12 600	0236-97-0016	3600(J)	Water	27-Mar-97	Unfiltered	µg/l
Manganese	36-10029	N/A	0236-97-0015	19.5	Water	27-Mar-97	Unfiltered	µg/l
	16-2757	280	0816-96-0091	359	Water	6-Sep-96	Unfiltered	µg/l
	16-2690	300	0316-97-3191	20	Water	19-Dec-97	Filtered	µg/l
	16-2690	300	0316-97-3192	30	Water	19-Dec-97	Unfiltered	µg/l
	16-2761	1000	0816-96-0095	8.5(J)	Water	6-Sep-96	Unfiltered	µg/l
	16-2762	1175	0816-96-0096	47.5	Water	6-Sep-96	Unfiltered	µg/l
	16-2764	1500	0816-96-0098	7(J)	Water	6-Sep-96	Unfiltered	µg/l
	16-1003	1500	AAB1599	8.3	Water	18-Apr-94	Filtered	µg/l
	16-2747	1530	0816-96-0045	13.3(J)	Water	28-Jun-96	Filtered	µg/l
	16-2747	1530	0816-96-0047	15.9(J)	Water	28-Jun-96	Unfiltered	µg/l
	16-2765	1675	0816-96-0099	10.8(J)	Water	6-Sep-96	Unfiltered	µg/l
	16-2766	1900	0816-96-0100	115	Water	6-Sep-96	Unfiltered	µg/l
	16-2767	2100	0816-96-0101	1630	Water	6-Sep-96	Unfiltered	µg/l
	16-1005	2125	AAB1601	65.1	Water	18-Apr-94	Filtered	µg/l
	16-2748	2200	0816-96-0046	49.8	Water	28-Jun-96	Filtered	µg/l
	16-2748	2200	0816-96-0048	70.7	Water	28-Jun-96	Unfiltered	µg/l
	16-2768	2300	0816-96-0102	30.9	Water	6-Sep-96	Unfiltered	µg/l
	16-2768	2300	0816-96-0103R	34.2	Water	6-Sep-96	Unfiltered	µg/l
	16-1006	2350	AAB1602	33.3	Water	18-Apr-94	Filtered	µg/l
	16-2769	2550	0816-96-0104	16.4	Water	6-Sep-96	Unfiltered	µg/l
	16-2770	2675	0816-96-0105	26.5	Water	6-Sep-96	Unfiltered	µg/l
	16-2688	2975	0316-97-3032	8.2(J)	Water	13-Aug-97	Unfiltered	µg/l
	16-2772	3100	0816-96-0107	19.6	Water	6-Sep-96	Unfiltered	µg/l
	16-2773	3275	0816-96-0108	99.5	Water	6-Sep-96	Unfiltered	µg/l
	16-2774	3400	0816-96-0109	15	Water	6-Sep-96	Unfiltered	µg/l
	16-2775	3600	0816-96-0110	6.5(J)	Water	6-Sep-96	Unfiltered	µg/l
	16-2675	8500	0316-97-0455	1800(J)	Water	6-Jan-98	Filtered	µg/l
	16-2675	8500	0316-97-0465	2200(J)	Water	6-Jan-98	Unfiltered	µg/l
	36-10030	12 600	0236-97-0016	38.2	Water	27-Mar-97	Unfiltered	µg/l
Mercury	16-2757	280	0816-96-0091	0.03(J)	Water	6-Sep-96	Unfiltered	µg/l
Nickel	16-2757	280	0816-96-0091	8.6(J+)	Water	6-Sep-96	Unfiltered	µg/l

Table 3.4-26 continued

Analyte	Location ID	Distance from 260 Outfall (ft)	Sample ID	Sample Concentration (µg/l)	Media	Collection Date	Field Prep	Units
Nickel (continued)	16-2758	500	0816-96-0092	1.7(J)	Water	6-Sep-96	Unfiltered	µg/l
	16-2759	650	0816-96-0093	1.5(J)	Water	6-Sep-96	Unfiltered	µg/l
	16-2760	800	0816-96-0094	2.8(J)	Water	6-Sep-96	Unfiltered	µg/l
	16-2761	1000	0816-96-0095	2.9(J)	Water	6-Sep-96	Unfiltered	µg/l
	16-2762	1175	0816-96-0096	4.5(J)	Water	6-Sep-96	Unfiltered	µg/l
	16-2763	1350	0816-96-0097	4.3(J)	Water	6-Sep-96	Unfiltered	µg/l
	16-2764	1500	0816-96-0098	3.1(J)	Water	6-Sep-96	Unfiltered	µg/l
	16-2765	1675	0816-96-0099	3.1(J)	Water	6-Sep-96	Unfiltered	µg/l
	16-2766	1900	0816-96-0100	2.2(J)	Water	6-Sep-96	Unfiltered	µg/l
	16-2767	2100	0816-96-0101	4.6(J)	Water	6-Sep-96	Unfiltered	µg/l
	16-2768	2300	0816-96-0102	2.8(J)	Water	6-Sep-96	Unfiltered	µg/l
	16-2768	2300	0816-96-0103R	3(J)	Water	6-Sep-96	Unfiltered	µg/l
	16-2769	2550	0816-96-0104	2.6(J)	Water	6-Sep-96	Unfiltered	µg/l
	16-2770	2675	0816-96-0105	2.5(J)	Water	6-Sep-96	Unfiltered	µg/l
	16-2771	2900	0816-96-0106	1.6(J)	Water	6-Sep-96	Unfiltered	µg/l
	16-2688	2975	0316-97-3032	3.9(J)	Water	13-Aug-97	Unfiltered	µg/l
	16-2772	3100	0816-96-0107	2.2(J)	Water	6-Sep-96	Unfiltered	µg/l
	16-2773	3275	0816-96-0108	2.2(J)	Water	6-Sep-96	Unfiltered	µg/l
	16-2774	3400	0816-96-0109	1.8(J)	Water	6-Sep-96	Unfiltered	µg/l
	16-2775	3600	0816-96-0110	3.3(J)	Water	6-Sep-96	Unfiltered	µg/l
	16-2776	3800	0816-96-0111	1.8(J)	Water	6-Sep-96	Unfiltered	µg/l
	16-2777	3975	0816-96-0112	2.2(J)	Water	6-Sep-96	Unfiltered	µg/l
	16-2778	4175	0816-96-0113	2.8(J)	Water	6-Sep-96	Unfiltered	µg/l
	16-2675	8500	0316-97-0455	40	Water	6-Jan-98	Filtered	µg/l
Nitrogen, Nitrate (Expressed as NO^3)	16-2670	5025	0316-97-0450	710(nv)[e]	Water	15-Dec-97	Filtered	µg/l
	16-2670	5025	0316-97-0460	810(nv)	Water	15-Dec-97	Unfiltered	µg/l
Nitrogen, Nitrate + Nitrite (Expressed as N)	16-2757	280	0816-96-0091	1000(nv)	Water	6-Sep-96	Unfiltered	µg/l
	16-2690	300	0316-97-3192	90	Water	19-Dec-97	Unfiltered	µg/l
	16-2758	500	0816-96-0092	1100(nv)	Water	6-Sep-96	Unfiltered	µg/l
	16-2759	650	0816-96-0093	1100	Water	6-Sep-96	Unfiltered	µg/l
	16-2760	800	0816-96-0094	900	Water	6-Sep-96	Unfiltered	µg/l
	16-2761	1000	0816-96-0095	500	Water	6-Sep-96	Unfiltered	µg/l
	16-2762	1175	0816-96-0096	600	Water	6-Sep-96	Unfiltered	µg/l
	16-2763	1350	0816-96-0097	500	Water	6-Sep-96	Unfiltered	µg/l
	16-2766	1900	0816-96-0100	500	Water	6-Sep-96	Unfiltered	µg/l
	16-2775	3600	0816-96-0110	800	Water	6-Sep-96	Unfiltered	µg/l
	16-2690	300	0316-97-3191	90	Water	19-Dec-97	Filtered	µg/l
Nitrogen, Nitrite (Expressed as NO^2)	16-2670	5025	0316-97-0450	710(nv)	Water	15-Dec-97	Filtered	µg/l
	16-2670	5025	0316-97-0460	810(nv)	Water	15-Dec-97	Unfiltered	µg/l
Potassium	36-10029	N/A	0236-97-0015	3780(J)	Water	27-Mar-97	Unfiltered	µg/l
	16-2757	280	0816-96-0091	3910(J)	Water	6-Sep-96	Unfiltered	µg/l
	16-2690	300	0316-97-3191	3000	Water	19-Dec-97	Filtered	µg/l
	16-2690	300	0316-97-3192	3000	Water	19-Dec-97	Unfiltered	µg/l
	16-2758	500	0816-96-0092	3110(J)	Water	6-Sep-96	Unfiltered	µg/l
	16-2759	650	0816-96-0093	2990(J)	Water	6-Sep-96	Unfiltered	µg/l

Table 3.4-26 continued

Analyte	Location ID	Distance from 260 Outfall (ft)	Sample ID	Sample Concentration (µg/l)	Media	Collection Date	Field Prep	Units
Potassium (continued)	16-2760	800	0816-96-0094	3030(J)	Water	6-Sep-96	Unfiltered	µg/l
	16-2761	1000	0816-96-0095	2980(J)	Water	6-Sep-96	Unfiltered	µg/l
	16-2762	1175	0816-96-0096	2980(J)	Water	6-Sep-96	Unfiltered	µg/l
	16-1001	1300	AAB1597	3200	Water	18-Apr-94	Filtered	µg/l
	16-1001	1300	AAB1603	3000	Water	18-Apr-94	Unfiltered	µg/l
	16-2763	1350	0816-96-0097	2840(J)	Water	6-Sep-96	Unfiltered	µg/l
	16-1002	1400	AAB1598	3000	Water	18-Apr-94	Filtered	µg/l
	16-1002	1400	AAB1604	3100	Water	18-Apr-94	Unfiltered	µg/l
	16-2764	1500	0816-96-0098	2810(J)	Water	6-Sep-96	Unfiltered	µg/l
	16-1003	1500	AAB1599	2760	Water	18-Apr-94	Filtered	µg/l
	16-1003	1500	AAB1605	2500	Water	18-Apr-94	Unfiltered	µg/l
	16-2747	1530	0816-96-0045	3270(J)	Water	28-Jun-96	Filtered	µg/l
	16-2747	1530	0816-96-0047	3630(J)	Water	28-Jun-96	Unfiltered	µg/l
	16-2765	1675	0816-96-0099	2830(J)	Water	6-Sep-96	Unfiltered	µg/l
	16-2766	1900	0816-96-0100	2800(J)	Water	6-Sep-96	Unfiltered	µg/l
	16-1004	1950	AAB1600	2400	Water	18-Apr-94	Filtered	µg/l
	16-1004	1950	AAB1606	2700	Water	18-Apr-94	Unfiltered	µg/l
	16-2767	2100	0816-96-0101	2960(J)	Water	6-Sep-96	Unfiltered	µg/l
	16-1005	2125	AAB1601	2860	Water	18-Apr-94	Filtered	µg/l
	16-1005	2125	AAB1607	2800	Water	18-Apr-94	Unfiltered	µg/l
	16-2748	2200	0816-96-0046	3440(J)	Water	28-Jun-96	Filtered	µg/l
	16-2748	2200	0816-96-0048	3770(J)	Water	28-Jun-96	Unfiltered	µg/l
	16-2768	2300	0816-96-0102	2780(J)	Water	6-Sep-96	Unfiltered	µg/l
	16-2768	2300	0816-96-0103R	2780(J)	Water	6-Sep-96	Unfiltered	µg/l
	16-1006	2350	AAB1602	2780	Water	18-Apr-94	Filtered	µg/l
	16-1006	2350	AAB1608	2500	Water	18-Apr-94	Unfiltered	µg/l
	16-2769	2550	0816-96-0104	2720(J)	Water	6-Sep-96	Unfiltered	µg/l
	16-2770	2675	0816-96-0105	2760(J)	Water	6-Sep-96	Unfiltered	µg/l
	16-2771	2900	0816-96-0106	2960(J)	Water	6-Sep-96	Unfiltered	µg/l
	16-2688	2975	0316-97-3032	3190(J)	Water	13-Aug-97	Unfiltered	µg/l
	16-2689	2975	0316-97-3110	4000	Water	22-Sep-97	Unfiltered	µg/l
	16-2772	3100	0816-96-0107	2780(J)	Water	6-Sep-96	Unfiltered	µg/l
	16-2773	3275	0816-96-0108	3610(J)	Water	6-Sep-96	Unfiltered	µg/l
	16-2774	3400	0816-96-0109	3380(J)	Water	6-Sep-96	Unfiltered	µg/l
	16-2775	3600	0816-96-0110	3380(J)	Water	6-Sep-96	Unfiltered	µg/l
	16-2776	3800	0816-96-0111	3370(J)	Water	6-Sep-96	Unfiltered	µg/l
	16-2777	3975	0816-96-0112	3370(J)	Water	6-Sep-96	Unfiltered	µg/l
	16-2778	4175	0816-96-0113	3450(J)	Water	6-Sep-96	Unfiltered	µg/l
	16-2670	5025	0316-97-0450	1000	Water	15-Dec-97	Filtered	µg/l
	16-2670	5025	0316-97-0450	3000	Water	15-Dec-97	Filtered	µg/l
	16-2670	5025	0316-97-0460	3000	Water	15-Dec-97	Unfiltered	µg/l
	16-2671	5625	0316-97-0451	3000	Water	15-Dec-97	Filtered	µg/l
	16-2671	5625	0316-97-0451	3000	Water	15-Dec-97	Filtered	µg/l
	16-2671	5625	0316-97-0461	3000	Water	15-Dec-97	Unfiltered	µg/l
	16-2671	5625	0316-97-0461	3000	Water	15-Dec-97	Unfiltered	µg/l

Table 3.4-26 continued

Analyte	Location ID	Distance from 260 Outfall (ft)	Sample ID	Sample Concentration (µg/l)	Media	Collection Date	Field Prep	Units
Potassium (continued)	16-2675	8500	0316-97-0455	3000	Water	6-Jan-98	Filtered	µg/l
	16-2675	8500	0316-97-0465	1000	Water	6-Jan-98	Unfiltered	µg/l
	36-10030	12600	0236-97-0016	3510(J)	Water	27-Mar-97	Unfiltered	µg/l
Selenium	16-1001	1300	AAB1597	3	Water	18-Apr-94	Filtered	µg/l
	16-1002	1400	AAB1598	3	Water	18-Apr-94	Filtered	µg/l
	16-1003	1500	AAB1605	3	Water	18-Apr-94	Unfiltered	µg/l
Silicon	16-2689	7400	0316-97-3110	17000	Water	22-Sep-97	Unfiltered	µg/l
Silver	16-2688	2975	0316-97-3032	1(J)	Water	13-Aug-97	Unfiltered	µg/l
Sodium	36-10029	N/A	0236-97-0015	15 900	Water	27-Mar-97	Unfiltered	µg/l
	16-2757	280	0816-96-0091	20 500	Water	6-Sep-96	Unfiltered	µg/l
	16-2690	300	0316-97-3192	24 000	Water	19-Dec-97	Unfiltered	µg/l
	16-2758	500	0816-96-0092	20 300	Water	6-Sep-96	Unfiltered	µg/l
	16-2759	650	0816-96-0093	20 100	Water	6-Sep-96	Unfiltered	µg/l
	16-2760	800	0816-96-0094	19 900	Water	6-Sep-96	Unfiltered	µg/l
	16-2761	1000	0816-96-0095	19 200	Water	6-Sep-96	Unfiltered	µg/l
	16-2762	1175	0816-96-0096	19 200	Water	6-Sep-96	Unfiltered	µg/l
	16-1001	1300	AAB1597	20 000	Water	18-Apr-94	Filtered	µg/l
	16-1001	1300	AAB1603	21 000	Water	18-Apr-94	Unfiltered	µg/l
	16-2763	1350	0816-96-0097	19 200	Water	6-Sep-96	Unfiltered	µg/l
	16-1002	1400	AAB1598	21 000	Water	18-Apr-94	Filtered	µg/l
	16-1002	1400	AAB1604	20 000	Water	18-Apr-94	Unfiltered	µg/l
	16-2764	1500	0816-96-0098	19 200	Water	6-Sep-96	Unfiltered	µg/l
	16-1003	1500	AAB1599	20 900	Water	18-Apr-94	Filtered	µg/l
	16-1003	1500	AAB1605	20 000	Water	18-Apr-94	Unfiltered	µg/l
	16-2747	1530	0816-96-0045	20 400	Water	28-Jun-96	Filtered	µg/l
	16-2747	1530	0816-96-0047	20 600	Water	28-Jun-96	Unfiltered	µg/l
	16-2765	1675	0816-96-0099	19 300	Water	6-Sep-96	Unfiltered	µg/l
	16-2766	1900	0816-96-0100	19 700	Water	6-Sep-96	Unfiltered	µg/l
	16-1004	1950	AAB1600	20 000	Water	18-Apr-94	Filtered	µg/l
	16-1004	1950	AAB1606	20 000	Water	18-Apr-94	Unfiltered	µg/l
	16-2767	2100	0816-96-0101	19 700	Water	6-Sep-96	Unfiltered	µg/l
	16-1005	2125	AAB1601	20 400	Water	18-Apr-94	Filtered	µg/l
	16-1005	2125	AAB1607	20 000	Water	18-Apr-94	Unfiltered	µg/l
	16-2748	2200	0816-96-0046	24 300	Water	28-Jun-96	Filtered	µg/l
	16-2748	2200	0816-96-0048	22 400	Water	28-Jun-96	Unfiltered	µg/l
	16-2768	2300	0816-96-0102	19 700	Water	6-Sep-96	Unfiltered	µg/l
	16-2768	2300	0816-96-0103R	19 600	Water	6-Sep-96	Unfiltered	µg/l
	16-1006	2350	AAB1602	19 700	Water	18-Apr-94	Filtered	µg/l
	16-1006	2350	AAB1608	22 000	Water	18-Apr-94	Unfiltered	µg/l
	16-2769	2550	0816-96-0104	19 600	Water	6-Sep-96	Unfiltered	µg/l
	16-2770	2675	0816-96-0105	19 700	Water	6-Sep-96	Unfiltered	µg/l
	16-2771	2900	0816-96-0106	19 600	Water	6-Sep-96	Unfiltered	µg/l
	16-2688	2975	0316-97-3032	17 500	Water	13-Aug-97	Unfiltered	µg/l
	16-2772	3100	0816-96-0107	19 500	Water	6-Sep-96	Unfiltered	µg/l
	16-2773	3275	0816-96-0108	20 500	Water	6-Sep-96	Unfiltered	µg/l

Table 3.4-26 continued

Analyte	Location ID	Distance from 260 Outfall (ft)	Sample ID	Sample Concentration (µg/l)	Media	Collection Date	Field Prep	Units
Sodium (continued)	16-2774	3400	0816-96-0109	20 500	Water	6-Sep-96	Unfiltered	µg/l
	16-2775	3600	0816-96-0110	20 600	Water	6-Sep-96	Unfiltered	µg/l
	16-2776	3800	0816-96-0111	20 600	Water	6-Sep-96	Unfiltered	µg/l
	16-2777	3975	0816-96-0112	20 600	Water	6-Sep-96	Unfiltered	µg/l
	16-2778	4175	0816-96-0113	20 700	Water	6-Sep-96	Unfiltered	µg/l
	16-2675	8500	0316-97-0455	4900	Water	6-Jan-98	Filtered	µg/l
	16-2675	8500	0316-97-0465	5100	Water	6-Jan-98	Unfiltered	µg/l
	36-10030	12600	0236-97-0016	8500	Water	27-Mar-97	Unfiltered	µg/l
Thallium	16-2747	1530	0816-96-0045	2.9(J)	Water	28-Jun-96	Filtered	µg/l
	16-2767	2100	0816-96-0101	7.4(J)	Water	6-Sep-96	Unfiltered	µg/l
Uranium	16-2757	280	0816-96-0091	0.46(J-)[1]	Water	6-Sep-96	Unfiltered	µg/l
	16-2758	500	0816-96-0092	0.16(J-)	Water	6-Sep-96	Unfiltered	µg/l
	16-2759	650	0816-96-0093	0.16(J-)	Water	6-Sep-96	Unfiltered	µg/l
	16-2760	800	0816-96-0094	0.43(J-)	Water	6-Sep-96	Unfiltered	µg/l
	16-2761	1000	0816-96-0095	0.41(J-)	Water	6-Sep-96	Unfiltered	µg/l
	16-2762	1175	0816-96-0096	0.57(J-)	Water	6-Sep-96	Unfiltered	µg/l
	16-2763	1350	0816-96-0097	0.38(J-)	Water	6-Sep-96	Unfiltered	µg/l
	16-2764	1500	0816-96-0098	0.36(J-)	Water	6-Sep-96	Unfiltered	µg/l
	16-2747	1530	0816-96-0047	0.27(J)	Water	28-Jun-96	Unfiltered	µg/l
	16-2765	1675	0816-96-0099	0.35(J-)	Water	6-Sep-96	Unfiltered	µg/l
	16-2766	1900	0816-96-0100	0.27(J-)	Water	6-Sep-96	Unfiltered	µg/l
	16-2767	2100	0816-96-0101	0.36(J-)	Water	6-Sep-96	Unfiltered	µg/l
	16-2768	2300	0816-96-0102	0.23(J-)	Water	6-Sep-96	Unfiltered	µg/l
	16-2768	2300	0816-96-0103R	0.25(J-)	Water	6-Sep-96	Unfiltered	µg/l
	16-2769	2550	0816-96-0104	0.24(J-)	Water	6-Sep-96	Unfiltered	µg/l
	16-2770	2675	0816-96-0105	0.23(J-)	Water	6-Sep-96	Unfiltered	µg/l
	16-2771	2900	0816-96-0106	0.22(J-)	Water	6-Sep-96	Unfiltered	µg/l
	16-2772	3100	0816-96-0107	0.25(J-)	Water	6-Sep-96	Unfiltered	µg/l
	16-2773	3275	0816-96-0108	0.16(J-)	Water	6-Sep-96	Unfiltered	µg/l
	16-2774	3400	0816-96-0109	0.12(J-)	Water	6-Sep-96	Unfiltered	µg/l
	16-2775	3600	0816-96-0110	0.1(J-)	Water	6-Sep-96	Unfiltered	µg/l
	16-2776	3800	0816-96-0111	0.14(J-)	Water	6-Sep-96	Unfiltered	µg/l
	16-2777	3975	0816-96-0112	0.09(J-)	Water	6-Sep-96	Unfiltered	µg/l
	16-2778	4175	0816-96-0113	0.11(J-)	Water	6-Sep-96	Unfiltered	µg/l
Vanadium	16-2757	280	0816-96-0091	9.3(J+)	Water	6-Sep-96	Unfiltered	µg/l
	16-1001	1300	AAB1597	5	Water	18-Apr-94	Filtered	µg/l
	16-1003	1500	AAB1599	3.4	Water	18-Apr-94	Filtered	µg/l
	16-2747	1530	0816-96-0045	2.1(J)	Water	28-Jun-96	Filtered	µg/l
	16-2747	1530	0816-96-0047	4.8(J)	Water	28-Jun-96	Unfiltered	µg/l
	16-1004	1950	AAB1606	5	Water	18-Apr-94	Unfiltered	µg/l
	16-1005	2125	AAB1601	2.4	Water	18-Apr-94	Filtered	µg/l
	16-2748	2200	0816-96-0046	2.1(J)	Water	28-Jun-96	Filtered	µg/l
	16-2748	2200	0816-96-0048	3.7(J)	Water	28-Jun-96	Unfiltered	µg/l
	16-1006	2350	AAB1602	3.2	Water	18-Apr-94	Filtered	µg/l
	16-2688	2975	0316-97-3032	1.7(J)	Water	13-Aug-97	Unfiltered	µg/l

Table 3.4-26 continued

Analyte	Location ID	Distance from 260 Outfall (ft)	Sample ID	Sample Concentration (µg/l)	Media	Collection Date	Field Prep	Units
Vanadium (continued)	16-2675	8500	0316-97-0465	10	Water	6-Jan-98	Unfiltered	µg/l
	36-10030	12 600	0236-97-0016	10.4(J)	Water	27-Mar-97	Unfiltered	µg/l
Zinc	36-10029	N/A	0236-97-0015	19.4(J)	Water	27-Mar-97	Unfiltered	µg/l
	16-2757	280	0816-96-0091	21.5	Water	6-Sep-96	Unfiltered	µg/l
	16-2763	1350	0816-96-0097	33	Water	6-Sep-96	Unfiltered	µg/l
	16-1003	1500	AAB1599	8.2	Water	18-Apr-94	Filtered	µg/l
	16-1003	1500	AAB1599	11	Water	18-Apr-94	Filtered	µg/l
	16-2747	1530	0816-96-0045	27.7	Water	28-Jun-96	Filtered	µg/l
	16-2747	1530	0816-96-0047	15.8(J)	Water	28-Jun-96	Unfiltered	µg/l
	16-1005	2125	AAB1601	17.2	Water	18-Apr-94	Filtered	µg/l
	16-1006	2125	AAB1602	14.6	Water	18-Apr-94	Filtered	µg/l
	16-2748	2200	0816-96-0046	8.6(J)	Water	28-Jun-96	Filtered	µg/l
	16-2748	2200	0816-96-0048	13.3(J)	Water	28-Jun-96	Unfiltered	µg/l
	16-2769	2550	0816-96-0104	22.7	Water	6-Sep-96	Unfiltered	µg/l
	16-2688	2975	0316-97-3032	11.7(J)	Water	13-Aug-97	Unfiltered	µg/l
	16-2689	7400	0316-97-3110	40(J)	Water	22-Sep-97	Unfiltered	µg/l
	16-2675	8500	0316-97-0455	30	Water	6-Jan-98	Filtered	µg/l
	36-10030	12600	0236-97-0016	29.2	Water	27-Mar-97	Unfiltered	µg/l
Alkalinity, total (methyl orange [pH = 4.5] endpoint)	16-2689	7400	0316-97-3110	67 000 (nv)	Water	21-Sep-93	Unfiltered	µg/l
Chloride	16-2690	300	0316-97-3191	24 000 (nv)	Water	18-Dec-93	Filtered	µg/l
	16-2690	300	0316-97-3192	25 000 (nv)	Water	18-Dec-93	Unfiltered	µg/l
	16-2689	7400	0316-97-3110	16 000 (nv)	Water	21-Sep-93	Unfiltered	µg/l
Conductivity	16-2689	7400	0316-97-3110	160 (nv)	Water	21-Sep-93	Unfiltered	UMHOS[g]
Fluoride	16-2689	7400	0316-97-3110	200 (nv)	Water	21-Sep-93	Unfiltered	µg/l
pH	16-2689	7400	0316-97-3110	7.75 (nv)	Water	21-Sep-93	Unfiltered	SU[h]
Solids, total dissolved	16-2689	7400	0316-97-3110	150 000 (nv)	Water	21-Sep-93	Unfiltered	µg/l
Sulfate	16-2690	300	0316-97-3191	8000 (nv)	Water	18-Dec-93	Filtered	µg/l
	16-2690	300	0316-97-3192	10 000 (nv)	Water	18-Dec-93	Unfiltered	µg/l
	16-2689	7400	0316-97-3110	13 000 (nv)	Water	21-Sep-93	Unfiltered	µg/l
Turbidity	16-2689	7400	0316-97-3110	24 (nv)	Water	21-Sep-93	Unfiltered	NTU[i]

[a] N/A = Not applicable.
[b] J+ = The analyte was positively identified, and the result is likely biased high.
[c] J = The reported value is an estimated quantity.
[d] – = A negative value indicates distance upstream from the TA-16-260 outfall.
[e] nv = Not validated.
[f] J- = The analyte was positively identified, and the result is likely biased low.
[g] UMHOS = micro-mhos.
[h] SU = Standard unit.
[i] NTU = Nephelometric turbidity unit.

Major Constituents

The major elements, the most abundant constituents in rock and water, are discussed below. Most major constituents discussed below are not constituents of significant environmental concern. These constituents are addressed for the purpose of delineating the conceptual model for the TA-16-260 outfall site. Major element abundances are used to assess the origins and history of water systems and to identify possible connectivity between the different water systems including surface water, alluvial water, springs, and seeps. Compositions of major elements may yield information about the environments through which water has circulated.

The following major elements are statistically higher than the background surface water. They are discussed individually below: calcium (filtered and unfiltered), magnesium (filtered and unfiltered), sodium (filtered and unfiltered); and potassium (filtered and unfiltered). Major constituents not significantly different from the background distributions based on statistical tests include bicarbonate, sulfate, chloride, fluoride, boron, TDS, lithium, and silicon dioxide.

Calcium. Calcium concentrations in the surface water appear to be slightly higher in abundance than the majority of the background data set (Appendix D), with a maximum value of 19600 µg/l present in three samples collected in April 1994 (locations 16-1001, -1002, and -1003). The majority of the surface water samples contain calcium concentrations just slightly lower than the maximum value. One location 3100 ft down drainage from the 260 source area (location 16-2772) contains calcium at concentration one order of magnitude lower than the rest of the samples in Cañon de Valle. The two locations near the confluence of Water Canyon have calcium concentrations of 9760 and 8230 µg/l. There is no apparent systematic difference between filtered and unfiltered samples (Table 3.4-26). The majority of surface water samples contain calcium at about the same concentration as those concentrations detected in the downstream alluvial water samples.

Magnesium. Magnesium concentrations in the surface water appear to be slightly higher in abundance than the majority of the background data set (Appendix D), with a maximum value of 5890 µg/l in one sample collected in April 1994 (location 16-1001). The majority of the surface water samples contain magnesium concentrations just slightly lower than the maximum value. The two locations near the confluence of Water Canyon have the lowest concentrations of magnesium. There is no apparent systematic difference between filtered and unfiltered samples (Table 3.4-26). The concentrations of magnesium in the majority of the surface water samples are about the same as those detected in the alluvial water, Peter Seep, and Fish Ladder Seep.

Potassium. Potassium concentrations in the surface water appear to be slightly higher in abundance than the majority of the background data set (Appendix D), with a maximum value of 24 000 µg/l in one sample collected in September 1997 (location 16-2689). There is no apparent systematic difference between filtered and unfiltered samples (Table 3.4-26). The concentrations of potassium in the majority of the surface water samples are about the same as those detected in Peter Seep and Fish Ladder Seep and are about two times lower than the concentrations in the alluvial water.

Sodium. Sodium concentrations in the surface water appear to be slightly higher in abundance than the majority of the background data set (Appendix D), with a maximum value of 24 000 µg/l in one sample collected in June 1996 (location 16-2748). The samples with the lowest concentrations of sodium are at locations 8500 ft and 1400 ft down drainage from the 260 source area (locations16-2675 and 36-10030, respectively). There is no apparent systematic difference between filtered and unfiltered samples (Table

3.4-26). The concentrations of sodium in the majority of the surface water samples are about the same as those detected in the down drainage alluvial water samples.

Summary of COPCs for Major Constituents

The surface water has higher abundances of calcium, magnesium, potassium, and sodium than the background data sets based on statistical tests. Therefore, these constituents are carried forward as COPCs (Table 3.4-27). However, they are not process chemicals used at the TA-16-260 source area. Section 3.4.3 provides information on possible sources for these elevated major constituents. All inorganic major constituents not listed in Table 3.4-27 did not have a distribution significantly different than the background distribution and are not carried forward as COPCs to Chapters 5 and 6.

Table 3.4-27
Results of Inorganic Data Review for Surface Water—Major Constituents

Analyte	Media	Result	Rationale for Retaining as a COPC
Calcium	Water	Retained	The surface water data set was greater than the background data set based on Wilcoxon statistical test.
Magnesium	Water	Retained	The surface water data set was greater than the background data set based on Wilcoxon statistical test.
Potassium	Water	Retained	The surface water data set was greater than the background data set based on Wilcoxon statistical test.
Sodium	Water	Retained	The surface water data set was greater than the background data set based on Wilcoxon statistical test.

Minor Constituents

The majority of the minor constituents (e.g., barium) represent RCRA-regulated constituents that are of particular environmental concern in this investigation.

The following minor elements are above the background distributions based on statistical tests in the surface water samples and are discussed individually below: barium (filtered and unfiltered); antimony (filtered), chromium (filtered), lead (filtered), manganese (filtered), mercury (unfiltered), nickel (unfiltered), vanadium (filtered), and zinc (filtered). These constituents are retained as COPCs because concentrations are greater than the background data set based on the Wilcoxon statistical test. Minor constituents not significantly different from the background distributions based on statistical tests include aluminum, arsenic, beryllium, cadmium, cobalt, copper, cyanide, iron, selenium, silver, and thallium. Figure 3.4-7(a–g) are location maps that show surface water locations with constituents above background distributions based on statistical tests.

Barium. Barium concentrations in the surface water are significantly higher in abundance than the majority of the background data set (Appendix D), with a maximum value of 6520 µg/l in a sample collected in September 1996 (location 16-2757). There does not appear to be a systematic difference between barium values in filtered and unfiltered aliquots of samples (Table 3.4-26). The 1994, 1996, and 1997/98 barium data were plotted separately for the purpose of evaluating changes in concentrations and trends with time (Figure 3.4-8). The 1994 data set is limited and shows a very slight increase in barium

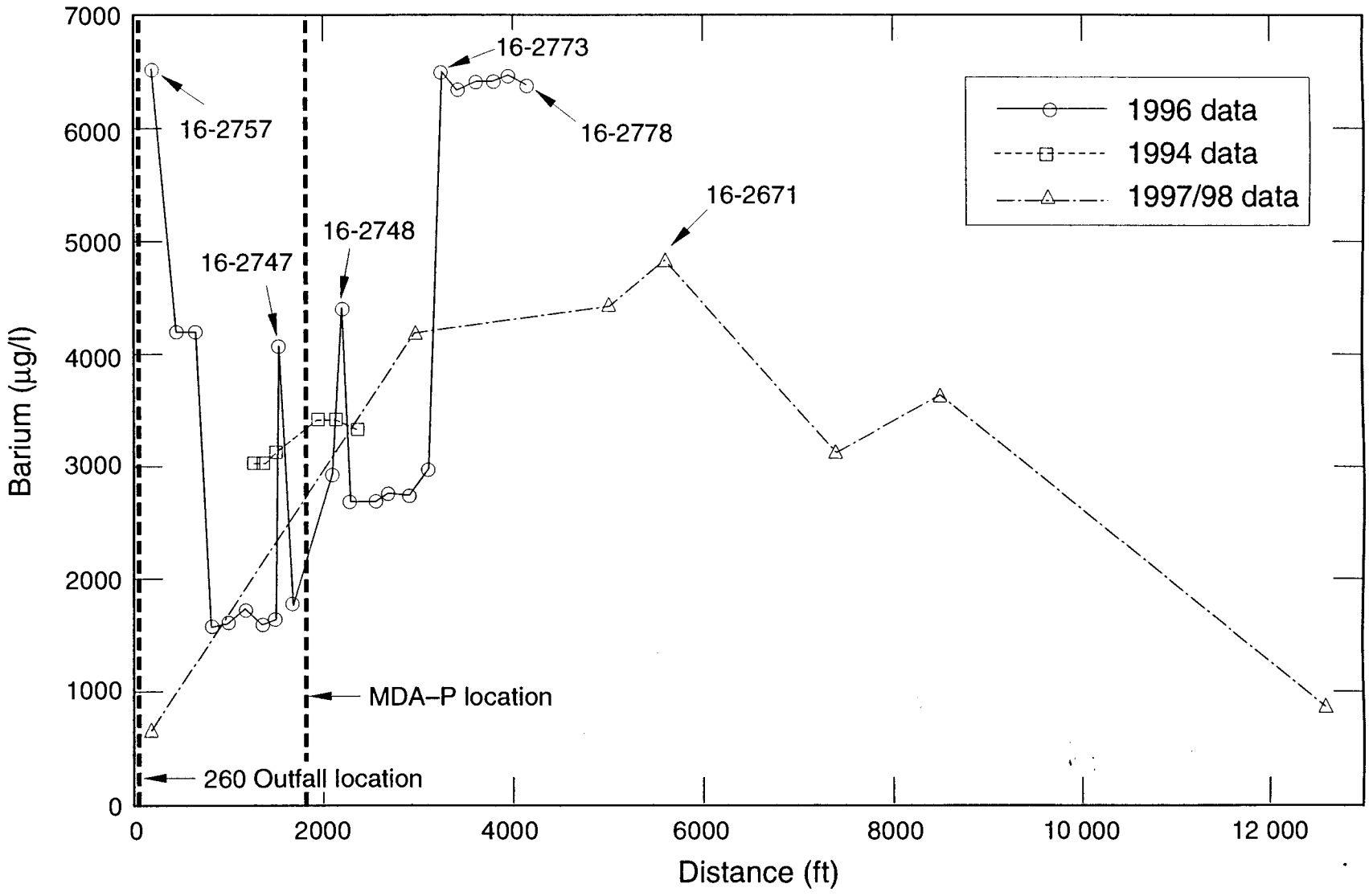


Figure 3.4-8. Barium in Cañon de Valle unfiltered surface water

concentrations with distance from the 260 source area. The 1996 data set indicates a peak in the barium concentration (6520 µg/l) at 280 ft downstream from the 260 source area. Concentrations drop and then show a very slight increasing trend (with minor fluctuations) and a jump in concentration (6490 µg/l) at 3275 ft down drainage from the source area. Concentrations of barium drop again with distance down drainage. The 1997/98 data set indicates a slight increasing trend of barium concentrations (with minor fluctuations) to its peak concentration (4800 µg/l) at 5625 ft downstream from the 260 source area, and then concentrations steadily decrease down Cañon de Valle.

The data set is not complete enough to compare concentrations of barium over time because surface water was not sampled from each location during each sampling event. A comparison may be made using data from 1994 and 1996 because samples were collected from adjacent locations during these two sampling events. Data collected during these two sampling events indicate possible decreasing barium concentrations over time. The barium concentrations in the April 1994 samples are consistently around 3000 µg/l. The barium concentrations are typically lower in water samples collected from adjacent locations during 1996 sampling, with two exceptions in which barium concentrations jumped to 4050 µg/l and 4210 µg/l. Note that these 1996 samples were collected in June and the rest of the samples were collected in September.

Antimony. The antimony concentrations are slightly higher in abundance than the majority of the background data set for filtered samples (Appendix D), with a maximum concentration of 4 µg/l surface water at location 16-1001 (located 1300 ft down drainage from the source area). The unfiltered samples were not statistically higher in abundance than the background data set based on the Wilcoxon statistical test.

Chromium. The chromium concentrations are slightly higher in abundance than the majority of the background data set for filtered samples (Appendix D), with a maximum concentration of 4.3 µg/l in surface water at location 16-1003 (located 1500 ft down drainage from the source area). The filtered samples were not statistically higher in abundance than the background data set based on the Wilcoxon statistical test.

Mercury. The mercury concentration in one sample was slightly higher in abundance than the background data set (Appendix D). The filtered surface water sample at location 16-2757 (located 280 ft down drainage from the source area) contains 0.03 µg/l mercury. The unfiltered samples were not statistically higher in abundance than the background data set based on the Wilcoxon statistical test.

Manganese. The manganese concentrations are slightly higher in abundance than the majority of the background data set in filtered samples (Appendix D), with a maximum concentration of 1800 µg/l in surface water at location 16-2675 (located 8500 ft down drainage from the source area). The rest of the filtered water samples range from 8.3 to 65.1 µg/l manganese. The unfiltered samples were not statistically higher in abundance than the background data set based on the Wilcoxon statistical test.

Nickel. The nickel concentrations are slightly higher in abundance than the majority of the background data set in unfiltered samples (Appendix D). The rest of the filtered water samples range from 1.5 to 8.6 µg/l nickel. The unfiltered samples were not statistically higher in abundance than the background data set based on the Wilcoxon statistical test.

Lead. The lead concentrations are slightly higher in abundance than the majority of the background data set in filtered samples (Appendix D), with a maximum concentration of 5 µg/l in surface water at location 16-

2671 (located 5625 ft down drainage from the source area). The unfiltered samples were not statistically higher in abundance than the background data set based on the Wilcoxon statistical test.

Vanadium. The vanadium concentrations are slightly higher in abundance than the majority of the background data set in filtered samples (Appendix D), with a maximum concentration of 5 µg/l in surface water at locations 16-1001 (located 1300 ft down drainage from the source area) and 16-1004 (located 1950 ft down drainage from the source area). The unfiltered samples were not statistically higher in abundance than the background data set based on the Wilcoxon statistical test.

Zinc. The zinc concentrations are slightly higher in abundance than the majority of the background data set in filtered samples (Appendix D), with a maximum concentration of 30 µg/l in surface water at location 16-2675 (located 8500 ft down drainage from the source area). The unfiltered samples were not statistically higher in abundance than the background data set based on the Wilcoxon statistical test.

Summary of COPCs for Minor Constituents

Table 3.4-28 summarizes those chemicals that are carried forward as COPCs and discussed in Sections 5 and 6. All inorganic minor constituents that are not listed in this table do not have a distribution significantly different than the background distribution and are not retained as COPCs. The surface water has higher abundances of antimony, barium, chromium, lead, mercury, nickel, vanadium, and zinc than the background data set for these constituents based on statistical tests.

Table 3.4-28
Results of Inorganic Data Review for Surface Water—Minor Constituents

Analyte	Media	Result	Rationale for Retaining or Eliminating as a COPC
Aluminum	Surface water	Eliminated	The surface water data set was not greater than the background data set based on Wilcoxon statistical test.
Antimony	Surface water	Retained	The surface water data set was greater than the background data set based on Wilcoxon statistical test.
Arsenic	Surface water	Eliminated	The surface water data set was not greater than the background data set based on Wilcoxon statistical test.
Barium	Surface water	Retained	The surface water data set was greater than the background data set based on Wilcoxon statistical test.
Beryllium	Surface water	Eliminated	The surface water data set was not greater than the background data set based on Wilcoxon statistical test.
Cadmium	Surface water	Eliminated	The surface water data set was not greater than the background data set based on Wilcoxon statistical test.
Chromium	Surface water	Retained	The surface water data set was greater than the background data set based on Wilcoxon statistical test.
Cobalt	Surface water	Eliminated	The surface water data set was not greater than the background data set based on Wilcoxon statistical test.
Copper	Surface water	Eliminated	The surface water data set was not greater than the background data set based on Wilcoxon statistical test.
Cyanide	Surface water	Eliminated	The surface water data set was not greater than the background data set based on Wilcoxon statistical test.
Iron	Surface water	Eliminated	The surface water data set was not greater than the background data set based on Wilcoxon statistical test.

Table 3.4-28 continued

Analyte	Media	Result	Rationale for Retaining or Eliminating as a COPC
Lead	Surface water	Retained	The surface water data set was greater than the background data set based on Wilcoxon statistical test.
Mercury	Surface water	Retained	The surface water data set was greater than the background data set based on Wilcoxon statistical test.
Manganese	Surface water	Retained	The surface water data set was greater than the background data set based on Wilcoxon statistical test.
Nickel	Surface water	Retained	The surface water data set was greater than the background data set based on Wilcoxon statistical test.
Selenium	Surface water	Eliminated	The surface water data set was not greater than the background data set based on Wilcoxon statistical test.
Silver	Surface water	Eliminated	The surface water data set was not greater than the background data set based on Wilcoxon statistical test.
Thallium	Surface water	Eliminated	The surface water data set was not greater than the background data set based on Wilcoxon statistical test.
Uranium	Surface water	Eliminated	The surface water data set was not greater than the background data set based on Wilcoxon statistical test.
Vanadium	Surface water	Retained	The surface water data set was greater than the background data set based on Wilcoxon statistical test.
Zinc	Surface water	Retained	The surface water data set was greater than the background data set based on Wilcoxon statistical test.

3.4.2.3.2 Evaluation of Radionuclides

This section presents the analytical results of radionuclides for surface water. Complete analytical data for all radionuclide data is presented in Appendix I.

Validation results for the radionuclides data are summarized in Appendix C. The quality of the radionuclide data is good. Data quality assessment is discussed in Section 3.4.1. Three request numbers from the 1994 sampling effort were analyzed for a large suite of radionuclides using gamma spectroscopy. Request number 2610 was also analyzed by gamma spectroscopy and analyzed for total uranium also. Request 3001R was analyzed for isotopic uranium and insufficient sample was present for a QC analysis. These results were considered acceptable for use. Table 3.4-29 presents the frequency of radionuclides detected in the surface water samples.

Table 3.4-29

Frequency of Detected Radioisotopes in Cañon de Valle Surface Water

Analyte	Media	Number of Analyses	Number of Detects	Concentration Range (pCi/l)
Uranium-234	Surface Water	3	1	[0.099][a]–0.144
Uranium-235	Surface Water	27	0	[-6.86–3.81]
Uranium-238	Surface Water	3	1	[0.054]–0.135

[a] Brackets indicate the value is below detection limits, although some analytes may be detected at values within this range.

The following radionuclides are above detection and are discussed individually below: uranium-234 and uranium-238. These constituents are retained as COPCs. The results for the surface water above detection are summarized in Table 3.4-30.

Table 3.4-30
Results for Radioisotopes in Cañon de Valle Surface Water

Analyte	Location ID	Distance from 260 Outfall (ft)	Sample ID	Sample Concentration (pCi/l)	Media	Collection Date	Field Prep
Uranium-234	36-10030	12600	0236-97-0016	0.144	Surface Water	27-Mar-97	Unfiltered
Uranium-238	36-10030	12600	0236-97-0016	0.135	Surface Water	27-Mar-97	Unfiltered

Uranium 234 and Uranium 238 are above detection and are therefore retained as COPCs. Radionuclides were detected as follows: uranium-234 was detected at 0.144 pCi/L, uranium-235 was not detected, and uranium-238 was detected in one sample at a concentration of 0.135 pCi/L. Table 3.4-31 summarizes the data review.

Table 3.4-31
Results of Radioisotopes Data Review for Surface Water Samples

Analyte	Media	Result	Rationale for Retaining as a COPC
Uranium-234	Surface Water	Retained	One sample exceeded the detection limit.
Uranium-238	Surface Water	Retained	One sample exceeded the detection limit.

3.4.2.3.3 Evaluation of HE

This section presents the analytical results for HE compounds for surface water. Complete analytical data for all HE are presented in Appendix I. Validation results for the HE data are summarized in Appendix C. Data quality assessment is discussed in Section 3.4.1. Results from the 1994 sampling effort have elevated detection limits, as do some results associated with request 3000R. All sample results associated with request 2613 (approximately half of this data set) were qualified because samples exceeded holding times. The detected results in that request number have a low bias as a result.

Table 3.4-32 presents the frequency of HE compounds above detection.

Table 3.4-32
Frequency of Detected HE in Surface Water

Analyte	Media	Number of Analyses	EQL[a] (µg/l)	Concentration Range (µg/l)	Frequency of Detects
Amino-2,6-dinitrotoluene[4-]	Surface Water	35	0.06	0.054–53.2	32/35
Amino-4,6-dinitrotoluene[2-]	Surface Water	28	0.035	[0.049][b]–43.2	26/28
Dinitrotoluene[2,4-]	Surface Water	48	0.02	[0.036–29]	21/48
HMX	Surface Water	48	NC[c]	0.209–160	32/48
Nitrobenzene	Surface Water	48	NC	[0.054–32]	2/48
Nitrotoluene[2-]	Surface Water	47	NC	[0.095–60]	19/47
RDX	Surface Water	48	0.84	0.324–818	32/48
Trinitrobenzene[1,3,5-]	Surface Water	48	0.26	[0.048–37]	1/48
Trinitrotoluene[2,4,6-]	Surface Water	48	0.11	[0.05–35]	14/48

[a] EQL = Estimated quantitation limit.
[b] Brackets indicate the value is below detection limits, although some analytes may be detected at values within this range.
[c] NC = Not calculated.

The following HE compounds were detected in the surface water samples: amino-2-6-dinitrotoluene[4-] was detected in 32 samples with concentrations ranging from 0.054 to 53.2 µg/l; amino-4-6-dinitrotoluene[2-] was detected in 26 samples with concentrations ranging from 0.095 to 43.2 µg/l, dinitrotoluene[2,4-] was detected in 21 samples with concentrations ranging from 0.043 to 0.324 µg/l, HMX was detected in 32 samples with concentrations ranging from 0.209 to 160 µg/l, nitrobenzene was detected in two samples with concentrations ranging from 0.5 to 0.53 µg/l, nitrotoluene[2-] was detected in 19 samples, RDX was detected in 32 samples with concentrations ranging from 0.324 to 818 µg/l, trinitrobenzene[1,3,5-] was detected in one sample at 0.207µg/l, and trinitrotoluene[2,4,6-] was detected in 14 samples with concentrations ranging from 0.06 to 7.41 µg/l. All of these compounds were retained as COPCs. Table 3.4-33 provides the HE results from historical non-validated data. The historical geochemical data is provided for completeness only and is not explicitly utilized in the COPC data review. The HE results for the 1994, 1996, 1997/1998 surface water data above detection limits are summarized in Table 3.4-34.

Table 3.4-33
HE in Cañon de Valle Creek—Historic Data

Sample ID	Description	Date	A-DNT (mg/l)	DNT (mg/l)	HMX (mg/l)	NQ[a] (mg/l)	PETN[b] (mg/l)	RDX (mg/l)	1,3,5-TNB (mg/l)	TNT (mg/l)
Creeks										
SSite95-1	Cañon de Valle Creek	3/17/95	NA[c]	NA	0.04	<0.01	<0.05	0.07	NA	<0.02
Ssite95-2	Cañon de Valle Creek	3/17/95	NA	NA	0.05	<0.01	<0.05	0.12	NA	<0.02
Creeks										
MDA P S-1	Cañon de Valle Creek	4/94	NA	NA	NA	NA	NA	0.18	NA	NA
MDA P S-2	Cañon de Valle Creek	4/94	NA	NA	NA	NA	NA	0.152	NA	NA
MDA P S-3	Cañon de Valle Creek	4/94	NA	NA	NA	NA	NA	0.196	NA	NA
MDA P S-4	Cañon de Valle Creek	4/94	NA	NA	NA	NA	NA	0.133	NA	NA
MDA P S-5	Cañon de Valle Creek	4/94	NA	NA	NA	NA	NA	0.146	NA	NA
MDA P S-6	Cañon de Valle Creek	4/94	NA	NA	NA	NA	NA	0.162	NA	NA
Ssite95-3	Cañon de Valle Creek	3/17/95	NA	NA	0.02	<0.01	<0.05	<0.02	NA	<0.02
PP94-52	Snowmelt, Cañon de Valle	4/15/94	NA	NA	<0.02	<0.01	<0.05	<0.02	NA	<0.02
PP94-51	Weirbox, Cañon de Valle	4/15/94	NA	NA	0.04	<0.01	<0.05	0.16	NA	<0.02

[a] NQ = Nitroquanidine

[b] PETN = Pentaerythritol tetranitrate

[c] NA = Not analyzed.

Table 3.4-34
Results for HE in Surface Water—1994, 1996, 1997/1998

Analyte	Location ID	Distance from 260 Outfall (ft)	Sample ID	Sample Concentration (µg/l)	Media	Collection Date	Field Preparation
Amino-2,6-dinitrotoluene[4-]	36-10029	N/A[a]	0236-97-0015	0.054	Water	27-Mar-97	Unfiltered
	16-2757	280	0816-96-0091	42(J-)[b]	Water	6-Sep-96	Unfiltered
	16-2758	500	0816-96-0092	48.8(J-)	Water	6-Sep-96	Unfiltered

Table 3.4-34 continued

Analyte	Location ID	Distance from 260 Outfall (ft)	Sample ID	Sample Concentration (µg/l)	Media	Collection Date	Field Preparation
Amino-2,6-dinitrotoluene[4-] (continued)	16-2759	650	0816-96-0093	53.2(J-)	Water	6-Sep-96	Unfiltered
	16-2760	800	0816-96-0094	17.6(J-)	Water	6-Sep-96	Unfiltered
	16-2761	1000	0816-96-0095	16.6(J-)	Water	6-Sep-96	Unfiltered
	16-2762	1175	0816-96-0096	17.2(J-)	Water	6-Sep-96	Unfiltered
	16-2763	1350	0816-96-0097	16.8(J-)	Water	6-Sep-96	Unfiltered
	16-2747	1530	0816-96-0047	19	Water	28-Jun-96	Unfiltered
	16-2765	1675	0816-96-0099	13.6(J-)	Water	6-Sep-96	Unfiltered
	16-2766	1900	0816-96-0100	11.8(J-)	Water	6-Sep-96	Unfiltered
	16-2767	2100	0816-96-0101	8(J-)	Water	6-Sep-96	Unfiltered
	16-2748	2200	0816-96-0048	12	Water	28-Jun-96	Unfiltered
	16-2768	2300	0816-96-0102	8.68(J-)	Water	6-Sep-96	Unfiltered
	16-2768	2300	0816-96-0103R	8.88(J-)	Water	6-Sep-96	Unfiltered
	16-2769	2550	0816-96-0104	8.44(J-)	Water	6-Sep-96	Unfiltered
	16-2770	2675	0816-96-0105	8.32(J-)	Water	6-Sep-96	Unfiltered
	16-2771	2900	0816-96-0106	8.02(J-)	Water	6-Sep-96	Unfiltered
	16-2772	3100	0816-96-0107	6.94(J-)	Water	6-Sep-96	Unfiltered
	16-2773	3275	0816-96-0108	6.55(J-)	Water	6-Sep-96	Unfiltered
	16-2774	3400	0816-96-0109	6.39(J-)	Water	6-Sep-96	Unfiltered
	16-2775	3600	0816-96-0110	6.22(J-)	Water	6-Sep-96	Unfiltered
	16-2776	3800	0816-96-0111	5.86(J-)	Water	6-Sep-96	Unfiltered
	16-2777	3975	0816-96-0112	5.68(J-)	Water	6-Sep-96	Unfiltered
	16-2778	4175	0816-96-0113	5.45(J-)	Water	6-Sep-96	Unfiltered
	16-2670	5025	0316-97-0450	4.6	Water	15-Dec-97	Filtered
	16-2670	5025	0316-97-0460	4.9	Water	15-Dec-97	Unfiltered
	16-2671	5625	0316-97-0451	4.9	Water	15-Dec-97	Filtered
	16-2671	5625	0316-97-0461	4.7	Water	15-Dec-97	Unfiltered
	16-2675	8500	0316-97-0455	0.45	Water	6-Jan-98	Filtered
	16-2675	8500	0316-97-0465	1.1	Water	6-Jan-98	Unfiltered
	36-10030	12 600	0236-97-0016	0.196	Water	27-Mar-97	Unfiltered
Amino-4,6-dinitrotoluene[2-]	16-2757	280	0816-96-0091	34.5(J-)	Water	6-Sep-96	Unfiltered
	16-2758	500	0816-96-0092	40.7(J-)	Water	6-Sep-96	Unfiltered
	16-2759	650	0816-96-0093	43.2(J-)	Water	6-Sep-96	Unfiltered
	16-2760	800	0816-96-0094	14.4(J-)	Water	6-Sep-96	Unfiltered
	16-2761	1000	0816-96-0095	13.7(J-)	Water	6-Sep-96	Unfiltered
	16-2762	1175	0816-96-0096	13.9(J-)	Water	6-Sep-96	Unfiltered
	16-2763	1350	0816-96-0097	13.6(J-)	Water	6-Sep-96	Unfiltered
	16-2747	1530	0816-96-0047	27	Water	28-Jun-96	Unfiltered
	16-2765	1675	0816-96-0099	11.1(J-)	Water	6-Sep-96	Unfiltered
	16-2766	1900	0816-96-0100	9.8(J-)	Water	6-Sep-96	Unfiltered
	16-2767	2100	0816-96-0101	7.03(J-)	Water	6-Sep-96	Unfiltered
	16-2748	2200	0816-96-0048	8.2	Water	28-Jun-96	Unfiltered
	16-2768	2300	0816-96-0102	7.52(J-)	Water	6-Sep-96	Unfiltered
	16-2768	2300	0816-96-0103R	7.61(J-)	Water	6-Sep-96	Unfiltered
	16-2769	2550	0816-96-0104	7.15(J-)	Water	6-Sep-96	Unfiltered
	16-2770	2675	0816-96-0105	7.14(J-)	Water	6-Sep-96	Unfiltered

Table 3.4-34 continued

Analyte	Location ID	Distance from 260 Outfall (ft)	Sample I D	Sample Concentration (µg/l)	Media	Collection Date	Field Preparation
Amino-4,6-dinitrotoluene[2-] (continued)	16-2771	2900	0816-96-0106	6.84(J-)	Water	6-Sep-96	Unfiltered
	16-2688	2975	0316-97-3032	27	Water	13-Aug-97	Unfiltered
	16-2772	3100	0816-96-0107	6(J-)	Water	6-Sep-96	Unfiltered
	16-2773	3275	0816-96-0108	5.55(J-)	Water	6-Sep-96	Unfiltered
	16-2774	3400	0816-96-0109	5.44(J-)	water	6-Sep-96	Unfiltered
	16-2775	3600	0816-96-0110	5.24(J-)	Water	6-Sep-96	Unfiltered
	16-2776	3800	0816-96-0111	4.89(J-)	Water	6-Sep-96	Unfiltered
	16-2777	3975	0816-96-0112	4.73(J-)	Water	6-Sep-96	Unfiltered
	16-2778	4175	0816-96-0113	4.52(J-)	Water	6-Sep-96	Unfiltered
	36-10030	12 600	0236-97-0016	0.095	Water	27-Mar-97	Unfiltered
Dinitrotoluene[2,4-]	16-2757	280	0816-96-0091	0.192(J-)	Water	6-Sep-96	Unfiltered
	16-2758	500	0816-96-0092	0.324(J-)	Water	6-Sep-96	Unfiltered
	16-2759	650	0816-96-0093	0.315(J-)	Water	6-Sep-96	Unfiltered
	16-2760	800	0816-96-0094	0.116(J-)	Water	6-Sep-96	Unfiltered
	16-2761	1000	0816-96-0095	0.104(J-)	Water	6-Sep-96	Unfiltered
	16-2762	1175	0816-96-0096	0.105(J-)	Water	6-Sep-96	Unfiltered
	16-2763	1350	0816-96-0097	0.1(J-)	Water	6-Sep-96	Unfiltered
	16-2765	1675	0816-96-0099	0.083(J-)	Water	6-Sep-96	Unfiltered
	16-2766	1900	0816-96-0100	0.075(J-)	Water	6-Sep-96	Unfiltered
	16-2767	2100	0816-96-0101	0.043(J-)	Water	6-Sep-96	Unfiltered
	16-2768	2300	0816-96-0102	0.047(J-)	Water	6-Sep-96	Unfiltered
	16-2768	2300	0816-96-0103R	0.056(J-)	Water	6-Sep-96	Unfiltered
	16-2769	2550	0816-96-0104	0.049(J-)	Water	6-Sep-96	Unfiltered
	16-2770	2675	0816-96-0105	0.052(J-)	Water	6-Sep-96	Unfiltered
	16-2771	2900	0816-96-0106	0.04(J-)	Water	6-Sep-96	Unfiltered
	16-2773	3275	0816-96-0108	0.058(J-)	Water	6-Sep-96	Unfiltered
	16-2774	3400	0816-96-0109	0.061(J-)	Water	6-Sep-96	Unfiltered
	16-2775	3600	0816-96-0110	0.059(J-)	Water	6-Sep-96	Unfiltered
	16-2776	3800	0816-96-0111	0.047(J-)	Water	6-Sep-96	Unfiltered
	16-2777	3975	0816-96-0112	0.049(J-)	Water	6-Sep-96	Unfiltered
	16-2778	4175	0816-96-0113	0.049(J-)	Water	6-Sep-96	Unfiltered
HMX	36-10029	N/A	0236-97-0015	0.209	Water	27-Mar-97	Unfiltered
	16-2757	280	0816-96-0091	124(J-)	Water	6-Sep-96	Unfiltered
	16-2758	500	0816-96-0092	119(J-)	Water	6-Sep-96	Unfiltered
	16-2759	650	0816-96-0093	123(J-)	Water	6-Sep-96	Unfiltered
	16-2760	800	0816-96-0094	43.6(J-)	Water	6-Sep-96	Unfiltered
	16-2761	1000	0816-96-0095	42.3(J-)	Water	6-Sep-96	Unfiltered
	16-2762	1175	0816-96-0096	42(J-)	Water	6-Sep-96	Unfiltered
	16-2763	1350	0816-96-0097	41.3(J-)	Water	6-Sep-96	Unfiltered
	16-2747	1530	0816-96-0047	160(J-)	Water	28-Jun-96	Unfiltered
	16-2765	1675	0816-96-0099	42.9(J-)	Water	6-Sep-96	Unfiltered
	16-2766	1900	0816-96-0100	37.7(J-)	Water	6-Sep-96	Unfiltered
	16-2767	2100	0816-96-0101	35.7(J-)	Water	6-Sep-96	Unfiltered
	16-2748	2200	0816-96-0048	160(J-)	Water	28-Jun-96	Unfiltered
	16-2768	2300	0816-96-0102	34.6(J-)	Water	6-Sep-96	Unfiltered

Table 3.4-34 continued

Analyte	Location ID	Distance from 260 Outfall (ft)	Sample ID	Sample Concentration (µg/l)	Media	Collection Date	Field Preparation
HMX (continued)	16-2768	2300	0816-96-0103R	35.6(J-)	Water	6-Sep-96	Unfiltered
	16-2769	2550	0816-96-0104	34.3(J-)	Water	6-Sep-96	Unfiltered
	16-2770	2675	0816-96-0105	34.7(J-)	Water	6-Sep-96	Unfiltered
	16-2771	2900	0816-96-0106	34(J-)	Water	6-Sep-96	Unfiltered
	16-2688	2975	0316-97-3032	47	Water	13-Aug-97	Unfiltered
	16-2772	3100	0816-96-0107	34.4(J-)	Water	6-Sep-96	Unfiltered
	16-2773	3275	0816-96-0108	38.1(J-)	Water	6-Sep-96	Unfiltered
	16-2774	3400	0816-96-0109	37.8(J-)	Water	6-Sep-96	Unfiltered
	16-2775	3600	0816-96-0110	38.8(J-)	Water	6-Sep-96	Unfiltered
	16-2776	3800	0816-96-0111	36(J-)	Water	6-Sep-96	Unfiltered
	16-2777	3975	0816-96-0112	37.5(J-)	Water	6-Sep-96	Unfiltered
	16-2778	4175	0816-96-0113	39.5(J-)	Water	6-Sep-96	Unfiltered
	16-2670	5025	0316-97-0450	27	Water	15-Dec-97	Filtered
	16-2670	5025	0316-97-0460	28	Water	15-Dec-97	Unfiltered
	16-2671	5625	0316-97-0451	40	Water	15-Dec-97	Filtered
	16-2671	5625	0316-97-0461	44	Water	15-Dec-97	Unfiltered
	16-2689	7400	0316-97-3110	52	Water	22-Sep-97	Unfiltered
	36-10030	12 600	0236-97-0016	75.5	Water	27-Mar-97	Unfiltered
Nitrobenzene	16-2675	8500	0316-97-0455	0.5	Water	6-Jan-98	Filtered
	16-2675	8500	0316-97-0465	0.53	Water	6-Jan-98	Unfiltered
Nitrotoluene[2-]	16-2757	280	0816-96-0091	1.12(J-)	Water	6-Sep-96	Unfiltered
	16-2758	500	0816-96-0092	2.28(J-)	Water	6-Sep-96	Unfiltered
	16-2760	800	0816-96-0094	0.851(J-)	Water	6-Sep-96	Unfiltered
	16-2761	1000	0816-96-0095	0.402(J-)	Water	6-Sep-96	Unfiltered
	16-2762	1175	0816-96-0096	0.461(J-)	Water	6-Sep-96	Unfiltered
	16-2763	1350	0816-96-0097	0.531(J-)	Water	6-Sep-96	Unfiltered
	16-2765	1675	0816-96-0099	0.281(J-)	Water	6-Sep-96	Unfiltered
	16-2766	1900	0816-96-0100	0.169(J-)	Water	6-Sep-96	Unfiltered
	16-2768	2300	0816-96-0102	0.413(J-)	Water	6-Sep-96	Unfiltered
	16-2768	2300	0816-96-0103R	0.254(J-)	Water	6-Sep-96	Unfiltered
	16-2769	2550	0816-96-0104	0.39(J-)	Water	6-Sep-96	Unfiltered
	16-2771	2900	0816-96-0106	0.718(J-)	Water	6-Sep-96	Unfiltered
	16-2772	3100	0816-96-0107	1.2(J-)	Water	6-Sep-96	Unfiltered
	16-2773	3275	0816-96-0108	0.581(J-)	Water	6-Sep-96	Unfiltered
	16-2774	3400	0816-96-0109	0.402(J-)	Water	6-Sep-96	Unfiltered
	16-2775	3600	0816-96-0110	0.244(J-)	Water	6-Sep-96	Unfiltered
	16-2776	3800	0816-96-0111	0.522(J-)	Water	6-Sep-96	Unfiltered
	16-2777	3975	0816-96-0112	1.05(J-)	Water	6-Sep-96	Unfiltered
	16-2778	4175	0816-96-0113	0.56(J-)	Water	6-Sep-96	Unfiltered
RDX	36-10029	N/A	0236-97-0015	0.324	Water	27-Mar-97	Unfiltered
	16-2757	280	0816-96-0091	790(J-)	Water	6-Sep-96	Unfiltered
	16-2758	500	0816-96-0092	765(J-)	Water	6-Sep-96	Unfiltered
	16-2759	650	0816-96-0093	818(J-)	Water	6-Sep-96	Unfiltered
	16-2760	800	0816-96-0094	290(J-)	Water	6-Sep-96	Unfiltered
	16-2761	1000	0816-96-0095	274(J-)	Water	6-Sep-96	Unfiltered

Table 3.4-34 continued

Analyte	Location ID	Distance from 260 Outfall (ft)	Sample I D	Sample Concentration (µg/l)	Media	Collection Date	Field Preparation
RDX (continued)	16-2762	1175	0816-96-0096	280(J-)	Water	6-Sep-96	Unfiltered
	16-2763	1350	0816-96-0097	272(J-)	Water	6-Sep-96	Unfiltered
	16-2747	1530	0816-96-0047	780(J-)	Water	28-Jun-96	Unfiltered
	16-2765	1675	0816-96-0099	296(J-)	Water	6-Sep-96	Unfiltered
	16-2766	1900	0816-96-0100	256(J-)	Water	6-Sep-96	Unfiltered
	16-2767	2100	0816-96-0101	241(J-)	Water	6-Sep-96	Unfiltered
	16-2748	2200	0816-96-0048	500(J-)	Water	28-Jun-96	Unfiltered
	16-2768	2300	0816-96-0102	217(J-)	Water	6-Sep-96	Unfiltered
	16-2768	2300	0816-96-0103R	231(J-)	Water	6-Sep-96	Unfiltered
	16-2769	2550	0816-96-0104	219(J-)	Water	6-Sep-96	Unfiltered
	16-2770	2675	0816-96-0105	226(J-)	Water	6-Sep-96	Unfiltered
	16-2771	2900	0816-96-0106	219(J-)	Water	6-Sep-96	Unfiltered
	16-2688	2975	0316-97-3032	190	Water	13-Aug-97	Unfiltered
	16-2772	3100	0816-96-0107	210(J-)	Water	6-Sep-96	Unfiltered
	16-2773	3275	0816-96-0108	164(J-)	Water	6-Sep-96	Unfiltered
	16-2774	3400	0816-96-0109	157(J-)	Water	6-Sep-96	Unfiltered
	16-2775	3600	0816-96-0110	158(J-)	Water	6-Sep-96	Unfiltered
	16-2776	3800	0816-96-0111	141(J-)	Water	6-Sep-96	Unfiltered
	16-2777	3975	0816-96-0112	148(J-)	Water	6-Sep-96	Unfiltered
	16-2778	4175	0816-96-0113	138(J-)	Water	6-Sep-96	Unfiltered
	16-2670	5025	0316-97-0450	40	Water	15-Dec-97	Filtered
	16-2670	5025	0316-97-0460	41	Water	15-Dec-97	Unfiltered
	16-2671	5625	0316-97-0451	54	Water	15-Dec-97	Filtered
	16-2671	5625	0316-97-0461	56	Water	15-Dec-97	Unfiltered
	16-2689	7400	0316-97-3110	77	Water	22-Sep-97	Unfiltered
	36-10030	12 600	0236-97-0016	20.6	Water	27-Mar-97	Unfiltered
Trinitrobenzene[1,3,5-]	16-2759	650	0816-96-0093	0.207(J-)	Water	6-Sep-96	Unfiltered
Trinitrotoluene[2,4,6-]	16-2757	280	0816-96-0091	0.277(J-)	Water	6-Sep-96	Unfiltered
	16-2758	500	0816-96-0092	3.49(J-)	Water	6-Sep-96	Unfiltered
	16-2759	650	0816-96-0093	7.41(J-)	Water	6-Sep-96	Unfiltered
	16-2760	800	0816-96-0094	0.697(J-)	Water	6-Sep-96	Unfiltered
	16-2761	1000	0816-96-0095	0.539(J-)	Water	6-Sep-96	Unfiltered
	16-2762	1175	0816-96-0096	0.417(J-)	Water	6-Sep-96	Unfiltered
	16-2763	1350	0816-96-0097	0.687(J-)	Water	6-Sep-96	Unfiltered
	16-2765	1675	0816-96-0099	0.114(J-)	Water	6-Sep-96	Unfiltered
	16-2766	1900	0816-96-0100	0.155(J-)	Water	6-Sep-96	Unfiltered
	16-2768	2300	0816-96-0102	0.06(J-)	Water	6-Sep-96	Unfiltered
	16-2768	2300	0816-96-0103R	0.084(J-)	Water	6-Sep-96	Unfiltered
	16-2769	2550	0816-96-0104	0.07(J-)	Water	6-Sep-96	Unfiltered
	16-2770	2675	0816-96-0105	0.063(J-)	Water	6-Sep-96	Unfiltered
	16-2675	8500	0316-97-0455	1.8	Water	6-Jan-98	Filtered

[a] N/A = Not applicable; sample is located in Water Canyon.
[b] J- = The analyte was positively identified, and the result is likely biased low.

Amino-2,6-dinitrotoluene[4-], amino-4,6-dinitrotoluene[2-], dinitrotoluene[2,4-], and trinitrotoluene[2,4,6-] are detected at the highest concentrations close to the 260 source area (650 ft down drainage from the source area), at which point concentrations decrease and level out down drainage. Minor fluctuations in concentrations are present throughout. Amino-4,6-dinitrotoluene[2-] is also detected at the highest concentration 650 ft down drainage from the 260 source area and concentrations decrease steadily down drainage with two jumps in concentration at 1530 ft and 2975 ft down drainage from the source area. HMX and RDX are detected at the highest concentrations at distances 650 ft, 1530 ft, and 2200 ft down drainage from the source area with minor fluctuations in concentrations throughout (Figure 3.4-9). The samples represented by the two peaks at 1530 ft and 2200 ft were composite samples that were collected every half hour for a 24-hour period. They are the only 1996 samples collected in June. Nitrotoluene is detected at the highest concentrations at 800 ft, 3100 ft, and 3975 ft down drainage from the 260 source area with minor fluctuations in concentrations throughout. In general, the highest concentrations of HE are detected close to the 260 source area and concentrations decrease down drainage with minor fluctuations and jumps throughout. Table 3.4-35 presents the results of HE data review for surface water.

3.4.2.3.4 Evaluation of Other Organic Analytes

This section presents the analytical results for other organic compounds in surface water. Complete analytical data for all organic compounds is presented in Appendix I. Validation results for the other organic data are summarized in Appendix C. The data quality assessment is discussed in Section 3.4.1. No significant QA/QC issues affect the data. Some organic compounds were qualified because laboratory contaminants were present in the samples. Table 3.4-36 presents the frequency of other organic analytes above detection limits.

Acetone, chlorophenol[2-], di-n-octylphthalate, dinitro-2-methylphenol[4,6-], dinitrotoluene[2,6-], and methylene chloride are organic compounds that were detected in one sample each. Methylene chloride is the only one of these compounds that is present at concentrations exceeding the EQLs. Bis(2-ethylhexyl)phthalate was detected in three samples. Dichloroethane[1,2-] was detected in three samples. All are retained as COPCs. The results for the surface water samples detected above detection limits are summarized in Table 3.4-37. Table 3.4-38 lists the non-HE organics retained as COPCs.

3.4.2.4 Alluvial Water

This section provides data from four alluvial wells at locations 16-2655, -2656, -2658, and -2659 and two seeps: Peter Seep (location 16-2653) and Fish Ladder Seep (location 16-2654). Alluvial well 16-2657 does not have any data for this report because there was no water in that well in December 1997. Alluvial well 16-2655 is located updrainage from the 260 source area within the steam plant drainage and upgradient from the 90's Line drainage. It is considered to be out of the influence of the identified source area(s). Well 16-2656 is located in Cañon de Valle and is approximately 200 ft up drainage from the confluence of the 260 source area and Cañon de Valle and is downgradient from MDA-R. Well 16-2658 is approximately 1800 ft down drainage from the 260 source area confluence at Cañon de Valle and upstream from SWSC Spring. Well 16-2659 is approximately 4600 ft down drainage from the 260 source area confluence at Cañon de Valle and is located downstream from MDA-P. Peter Seep is located in Cañon de Valle upstream from the TA-16-260 outfall/Cañon de Valle confluence. However, Peter Seep moves along a stretch of Cañon de Valle approximately 600 ft long, due to seasonal variation. Fish Ladder Seep is located in a tributary to Cañon de Valle approximately 1875 ft south of an alluvial well (location 16-2659) within Cañon de Valle. It is also located approximately 100 ft southeast of the TA-16 Burning Ground.

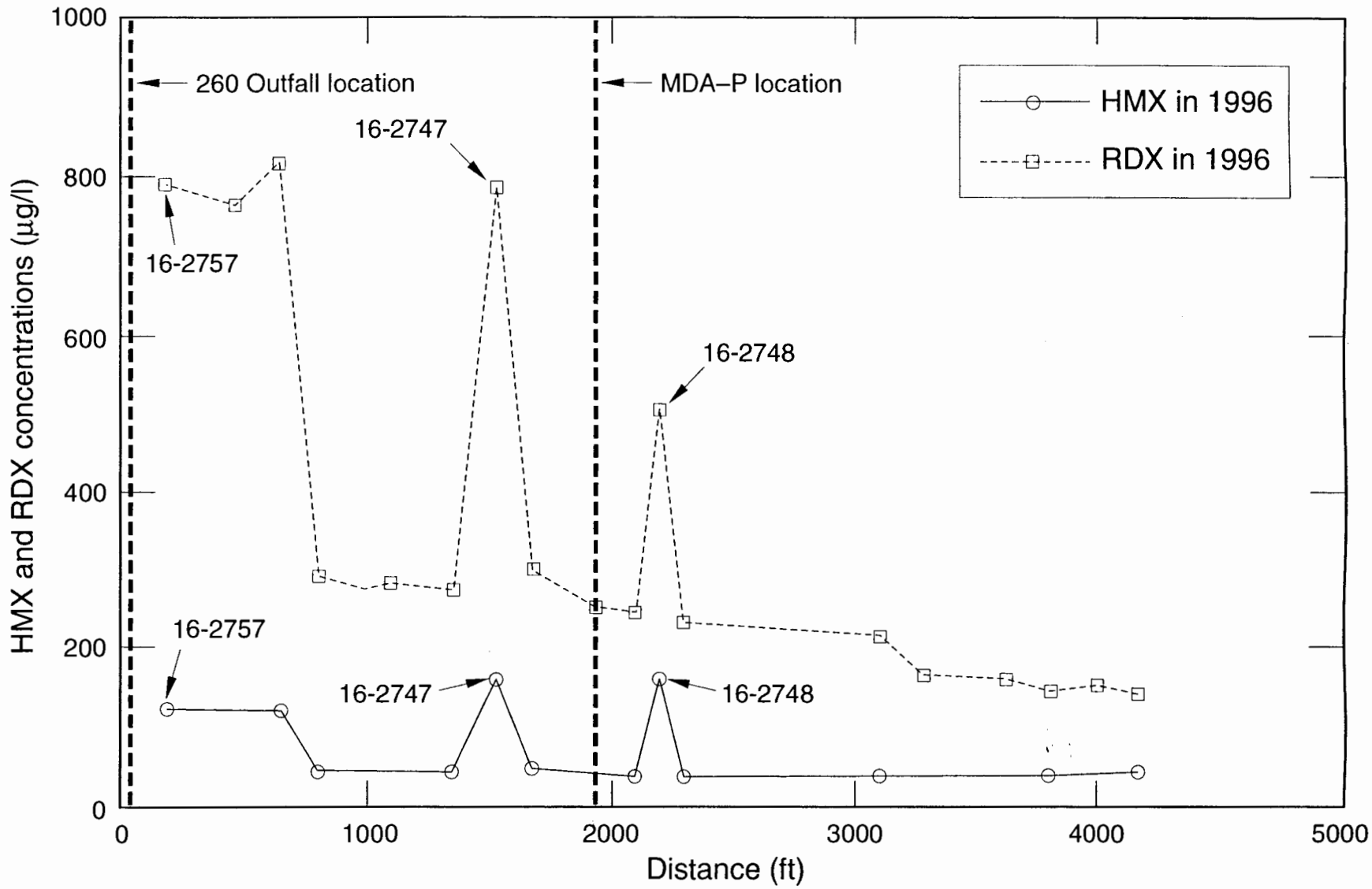


Figure 3.4-9. HMX and RDX concentrations in Cañon de Valle unfiltered surface water

Table 3.4-35
Results of HE Data Review for Surface Water

Analyte	Media	Result	Rationale for Retaining as a COPC
Amino-2,6-dinitrotoluene[4-]	Water	Retained	Thirty-two of the 35 samples exceeded the detection limit.
Amino-4,6-dinitrotoluene[2-]	Water	Retained	Twenty-six of the 28 samples exceeded the detection limit.
Dinitrotoluene[2,4-]	Water	Retained	Twenty-one of the 48 samples exceeded the detection limit.
RDX	Water	Retained	Thirty-two of the 48 samples exceeded the detection limit.
HMX	Water	Retained	Thirty-two of the 48 samples exceeded the detection limit.
Nitrobenzene	Water	Retained	Two of the 48 samples exceeded the detection limit.
Nitrotoluene	Water	Retained	Nineteen of the 47 samples exceeded the detection limit.
Trinitrobenzene[1,3,5-]	Water	Retained	One of the 48 samples exceeded the detection limit.
Trinitrotoluene[2,4,6-]	Water	Retained	Fourteen of the 48 samples exceeded the detection limit.

Table 3.4-36
Frequency of Detected Other Organic Chemicals Detected in Surface Water

Analyte	Media	Number of Analyses	EQL[a] (µg/l)	Concentration Range (µg/l)	Frequency of Detects
Acetone	Water	37	20	8–[39][b]	1/37
Bis(2-ethylhexyl)phthalate	Water	40	10	[1]–13	3/40
Chlorophenol[2-]	Water	40	10	10–[18]	1/40
Di-n-octylphthalate	Water	40	10	10–[18]	1/39
Dichloroethane[1,2-]	Water	37	5	4–7	3/37
Dinitro-2-methylphenol[4,6-]	Water	40	50	[10–90]	1/40
Dinitrotoluene[2,6-]	Water	40	10	1–[18]	1/40
Methylene chloride	Water	37	5	[3–10]	1/37

[a] EQL = Estimated quantitation limit.
[b] Brackets indicate the value is below detection limits, although some analytes may be detected at values within this range.

Table 3.4-37
Results for Other Organic Chemicals in Surface Water

Analyte	Location ID	Distance From 260 Outfall (ft)	Sample ID	Sample Concentration (µg/l)	Media	Collection Date	Field Preparation
Acetone	16-2763	1350	0816-96-0097	8(J)[a]	Surface water	6-Sep-96	Unfiltered
Bis(2-ethylhexyl)phthalate	16-2759	350	0816-96-0093	3(J)	Surface water	6-Sep-96	Unfiltered
	16-2760	800	0816-96-0094	3(J)	Surface water	6-Sep-96	Unfiltered
	16-2769	2550	0816-96-0104	13	Surface water	6-Sep-96	Unfiltered
Chlorophenol[2-]	16-2765	1675	0816-96-0099	10	Surface water	6-Sep-96	Unfiltered
Dichloroethane[1,2-]	36-10029	N/A[b]	0236-97-0015	4(J)	Surface water	27-Mar-97	Unfiltered
	16-2688	2975	0316-97-3032	7	Surface water	13-Aug-97	Unfiltered
	36-10030	12600	0236-97-0016	6	Surface water	27-Mar-97	Unfiltered
Dinitro-2-methylphenol[4,6-]	16-2764	1500	0816-96-0098	50	Surface water	6-Sep-96	Unfiltered
Dinitrotoluene[2,6-]	16-2747	1530	0816-96-0047	1(J)	Surface water	28-Jun-96	Unfiltered
Di-n-octylphthalate	16-2757	280	0816-96-0091	10	Surface water	6-Sep-96	Unfiltered
Methylene chloride	16-2766	1900	0816-96-0100	6	Surface water	6-Sep-96	Unfiltered

[a] J = The reported value is an estimated quantity.
[b] N/A = Not applicable.

Table 3.4-38
Results of Other Organic Compound Data Review for Surface Water

Analyte	Media	Result	Rationale for Retaining as a COPC
Acetone	Surface water	Retained	One out of 37 samples detected.
Bis(2-ethylhexl)phthalate	Surface water	Retained	Three out of 40 samples detected.
Chlorophenol(2-)	Surface water	Retained	One out of 40 samples detected.
Di-n-octylphthalate	Surface water	Retained	One out of 39 samples detected.
Dichloroethane[1,2-]	Surface water	Retained	Three out of 37 samples detected.
Dinitro-2-methylphenol[4,6-]	Surface water	Retained	One out of 40 samples detected.
Dinitrotoluene[2,6-]	Surface water	Retained	One out of 40 samples detected.
Methylene chloride	Surface water	Retained	One out of 37 samples detected.

Water samples were collected from the alluvial wells and seeps as part of quarterly sampling. Samples were collected from the alluvial wells during one sampling event in December 1997 and from Peter Seep and Fish Ladder Seep during two events in June and September 1997. Both filtered and unfiltered samples were collected. For most analytes the differences between the filtered and unfiltered results were small. Figure 3.4-7(a–g) shows contaminant data for all TA-16 water. The samples were analyzed for VOCs, SVOCs, HE, inorganic chemicals, radionuclides, water quality, and nitrates. Table 3.4-39 presents the request numbers for the laboratory samples.

A significant difficulty in analyzing the data from the TA-16 waters is the lack of an NMED-approved background data set with which to compare. Collection of an alluvial water data set is ongoing. In this section we compare the TA-16 alluvial water data set with a preliminary alluvial water data set consisting of alluvial waters that issue from Los Alamos and Pajarito Canyons (Longmire 1998, 59366). A simple statistical test (Gehan 1965, 55611) was used to determine whether the TA-16 data set was greater than this background data set at a specific confidence level. Statistical tests were performed on all three data sets. Further discussion of this preliminary background data set is provided in Appendix D. The full data set used is provided in Appendix I.

Table 3.4-39
Summary of Laboratory Samples Taken and Request Numbers of Alluvial Water

Location ID	Sample ID	Media	Filtered/ Unfiltered	VOCs[a]	SVOCs[b]	HE	Inorganic Chemicals	Water Quality	Nitrates
16-2653 (Peter Seep)	0316-97-3024	Alluvial water	Filtered	3293R[c]	3293R	3294R	3295R	NA[d]	NA
16-2653 (Peter Seep)	0316-97-3025	Alluvial water	Unfiltered	3293R	3293R	3294R	3295R	NA	NA
16-2653 (Peter Seep)	0316-97-3026	Alluvial water	Filtered	NA	NA	NA	NA	3295R	NA
16-2653 (Peter Seep)	0316-97-3027	Alluvial water	Unfiltered	NA	NA	NA	NA	3295R	NA
16-2653 (Peter Seep)	0316-97-3106	Alluvial water	Unfiltered	3744R	3744R	3745R	3746R	3746R	NA
16-2653 (Peter Seep)	0316-97-3107	Alluvial water	Filtered	NA	3744R	3745R	3746R	3746R	NA
16-2654 Fish Ladder Seep	0316-97-3102	Alluvial water	Unfiltered	3744R	3744R	3745R	3746R	3746R	NA
16-2654 Fish Ladder Seep	0316-97-3103	Alluvial water	Filtered	NA	3744R	3745R	3746R	3746R	NA
16-2655	0316-97-0476	Alluvial water	Filtered	4027R	4027R	4028R	4029R	4029R	4029R
16-2655	0316-97-0482	Alluvial water	Unfiltered	4027R	4027R	4028R	4029R	4029R	4029R
16-2656	0316-97-0477	Alluvial water	Filtered	4027R	4027R	4028R	4029R	4029R	4029R
16-2656	0316-97-0483	Alluvial water	Unfiltered	4027R	4027R	4028R	4029R	4029R	4029R
16-2658	0316-97-0479	Alluvial water	Filtered	4030R	4030R	4031R	4032R	4032R	NA
16-2658	0316-97-0485	Alluvial water	Unfiltered	4030R	4030R	4031R	4032R	4032R	4032R
16-2659	0316-97-0480	Alluvial water	Filtered	4030R	4030R	4031R	4032R	4032R	4032R
16-2659	0316-97-0486	Alluvial water	Unfiltered	4030R	4030R	4031R	4032R	4032R	4032R

[a] VOCs = Volatile organic compounds.
[b] SVOCs = Semivolatile organic compounds.
[c] R = Field replicate.
[d] NA = Not analyzed.

3.4.2.4.1 Evaluation of Inorganic Chemicals

This section presents analytical results for major and minor elements for alluvial and seep water samples. Complete analytical data for all inorganic compounds is presented in Appendix I. Validation results for the inorganic chemical data are summarized in Appendix C. The data quality assessment is discussed in Section 3.4.1. Samples 0316-97-3102, -3103, -3106, and –3107 had poor QA/QC results for lead, zinc, antimony, and selenium. The antimony and selenium results are not unexpected. The lead QC results in request number 3746R were out of control by a factor of 100% and caused the lead results for these samples to be qualified as estimated. The lead results are so low that even 100% error would not affect any decisions made. Analytical results for nitrates and water quality parameters are not validated and therefore no quality assessment is made on that data.

Table 3.4-40 (a and b) presents the frequency of inorganic chemical detects including the major and minor elements.

Table 3.4-41 (a and b) presents the results for the alluvial waters.

Table 3.4-40 (a)
Frequency of Detected Inorganic Chemicals in Alluvial Water

Analyte	Media	Number of Analyses	Number of Detects	Concentration Range (µg/l)
Aluminum	Water	14	11	100–28 000
Antimony	Water	13	0	[3.4–20][a]
Arsenic	Water	14	4	[2.6]–25
Barium	Water	14	14	110–16 000
Beryllium	Water	14	0	[0.96–4]
Cadmium	Water	14	0	[0.4–5]
Calcium	Water	14	10	16 000–32 000
Chromium, total	Water	14	2	0.92–[40]
Cobalt	Water	14	0	[0.9–20]
Copper	Water	14	0	[0.9–20]
Cyanide, total	Water	8	0	[10][b]
Iron	Water	14	6	[50–30 000]
Lead	Water	14	9	1–59
Magnesium	Water	14	7	4000–[7800]
Manganese	Water	14	11	2.2–3200
Mercury	Water	14	0	[0.02–2]
Nickel	Water	14	0	[1.4–40]
Nitrogen, nitrate + nitrite (expressed as N)	Water	7	6	[50]–2100
Potassium	Water	14	14	2000–10 000
Selenium	Water	14	0	[2.7–8]
Silver	Water	14	0	[1.2–10]
Sodium	Water	14	10	[7700]–190 000
Thallium	Water	14	0	[2.2–5]
Vanadium	Water	14	6	2.4–30
Zinc	Water	14	3	[0.9–170]

[a] Brackets indicate the value is below detection limits, although some analytes may be detected at values within this range.

[b] All values for cyanide are below the detection limit of µg/l, therefore there is no concentration range for cyanide.

Table 3.4-40(b)
Frequency of Detected Water Quality Chemicals in Alluvial Water

Analyte	Media	Number of Analyses	Number of Detects	Concentration Range	Units
Alkalinity, total (methyl orange [pH = 4.5] endpoint)	Water	6	6	65000–92000	µg/l
Boron	Water	2	2	38.4–87.1	µg/l
Bromide	Water	14	2	[200–8000][a]	µg/l
Calcium	Water	2	2	18 000–18 800	µg/l
Chloride	Water	14	14	4000–36 000	µg/l
Conductivity	Water	6	6	170–240	UMHOS[b]
Fluoride	Water	14	10	100–600	µg/l
pH	Water	4	4	6.91–7.05	SU[c]
Potassium	Water	2	2	3120–3240	µg/l
Silicon	Water	6	6	16 000–20 300	µg/l
Sodium	Water	2	2	18 700–19 300	µg/l
Solids, total dissolved	Water	6	6	140 000–180 000	µg/l
Solids, total suspended	Water	6	1	[5000]–160 000	µg/l
Sulfate	Water	14	14	8000–60 000	µg/l
Turbidity	Water	6	6	4.3–19	NTU[d]

[a] Brackets indicate the value is below detection limits, although some analytes may be detected at values within this range.
[b] UMHOS = micro-mhos
[c] SU = Standard unit
[d] NTU = Nephelometric turbidity

Table 3.4-41(a)
Results for Inorganic Chemicals in Alluvial Water and Seeps

Analyte	Location ID	Distance from 260 Outfall (ft)	Sample ID	Sample Concentration (µg/l)	Media	Collection Date	Field Preparation
Aluminum	16-2654[a]	NA[b]	0316-97-3102	1000	Water	17-Sep-97	Unfiltered
	16-2654	NA	0316-97-3103	800	Water	17-Sep-97	Filtered
	16-2655	–1830[C]	0316-97-0476	100	Water	19-Dec-97	Filtered
	16-2655	–1830	0316-97-0482	7800	Water	22-Dec-97	Unfiltered
	16-2656	–10	0316-97-0483	28000	Water	19-Dec-97	Unfiltered
	16-2653[d]	–20	0316-97-3024	428	Water	25-Jun-97	Filtered
	16-2653	–20	0316-97-3025	560	Water	27-Jun-97	Unfiltered
	16-2653	–20	0316-97-3106	1500	Water	17-Sep-97	Unfiltered
	16-2653	–20	0316-97-3107	300	Water	17-Sep-97	Filtered
	16-2658	1620	0316-97-0485	19000	Water	22-Dec-97	Unfiltered
	16-2659	3110	0316-97-0486	20000	Water	22-Dec-97	Unfiltered
Arsenic	16-2654	NA	0316-97-3102	21	Water	17-Sep-97	Unfiltered
	16-2654	NA	0316-97-3103	20	Water	17-Sep-97	Filtered

Table 3.4-41(a) continued

Analyte	Location ID	Distance from 260 Outfall (ft)	Sample ID	Sample Concentration (µg/l)	Media	Collection Date	Field Preparation
Arsenic (continued)	16-2656	–10	0316-97-0483	9	Water	19-Dec-97	Unfiltered
	16-2653	–20	0316-97-3106	25	Water	17-Sep-97	Unfiltered
Barium	16-2654	NA	0316-97-3102	1100	Water	17-Sep-97	Unfiltered
	16-2654	NA	0316-97-3103	1000	Water	17-Sep-97	Filtered
	16-2655	–1830	0316-97-0476	110	Water	19-Dec-97	Filtered
	16-2655	–1830	0316-97-0482	160	Water	22-Dec-97	Unfiltered
	16-2656	–10	0316-97-0477	3100	Water	19-Dec-97	Filtered
	16-2656	–10	0316-97-0483	4300	Water	19-Dec-97	Unfiltered
	16-2653	–20	0316-97-3024	753	Water	25-Jun-97	Filtered
	16-2653	–20	0316-97-3025	763	Water	27-Jun-97	Unfiltered
	16-2653	–20	0316-97-3106	3000	Water	17-Sep-97	Unfiltered
	16-2653	–20	0316-97-3107	3400	Water	17-Sep-97	Filtered
	16-2658	1620	0316-97-0479	12 000	Water	22-Dec-97	Filtered
	16-2658	1620	0316-97-0485	16 000	Water	22-Dec-97	Unfiltered
	16-2659	3110	0316-97-0480	5000	Water	22-Dec-97	Filtered
	16-2659	3110	0316-97-0486	6800	Water	22-Dec-97	Unfiltered
Calcium	16-2655	–1830	0316-97-0476	30 000	Water	19-Dec-97	Filtered
	16-2655	–1830	0316-97-0482	32 000	Water	22-Dec-97	Unfiltered
	16-2656	–10	0316-97-0477	19 000	Water	19-Dec-97	Filtered
	16-2656	–10	0316-97-0483	21 000	Water	19-Dec-97	Unfiltered
	16-2653	–20	0316-97-3024	18 200	Water	25-Jun-97	Filtered
	16-2653	–20	0316-97-3025	18 400	Water	27-Jun-97	Unfiltered
	16-2658	1620	0316-97-0479	16 000	Water	22-Dec-97	Filtered
	16-2658	1620	0316-97-0485	19 000	Water	22-Dec-97	Unfiltered
Calcium	16-2659	3110	0316-97-0480	16 000	Water	22-Dec-97	Filtered
	16-2659	3110	0316-97-0486	17 000	Water	22-Dec-97	Unfiltered
Chromium, total	16-2653	–20	0316-97-3024	1.2(J)[e]	Water	25-Jun-97	Filtered
	16-2653	–20	0316-97-3025	0.92(J)	Water	27-Jun-97	Unfiltered
Iron	16-2654	NA	0316-97-3102	6600	Water	17-Sep-97	Unfiltered
	16-2654	NA	0316-97-3103	1100	Water	17-Sep-97	Filtered
	16-2653	–20	0316-97-3024	265	Water	25-Jun-97	Filtered
	16-2653	–20	0316-97-3025	415	Water	27-Jun-97	Unfiltered
	16-2653	–20	0316-97-3106	610	Water	17-Sep-97	Unfiltered
	16-2653	–20	0316-97-3107	280	Water	17-Sep-97	Filtered
Lead	16-2654	NA	0316-97-3102	3(J)	Water	17-Sep-97	Unfiltered
	16-2655	–1830	0316-97-0476	2	Water	19-Dec-97	Filtered
	16-2655	–1830	0316-97-0482	5	Water	22-Dec-97	Unfiltered
	16-2656	–10	0316-97-0477	1	Water	19-Dec-97	Filtered
	16-2656	–10	0316-97-0483	38	Water	19-Dec-97	Unfiltered
	16-2653	–20	0316-97-3106	5(J)	Water	17-Sep-97	Unfiltered
	16-2653	20	0316-97-3107	3(J)	Water	17-Sep-97	Filtered
	16-2658	1620	0316-97-0485	59	Water	22-Dec-97	Unfiltered
	16-2659	3110	0316-97-0486	15	Water	22-Dec-97	Unfiltered
Magnesium	16-2654	NA	0316-97-3102	4000	Water	17-Sep-97	Unfiltered
	16-2654	NA	0316-97-3103	4200	Water	17-Sep-97	Filtered

Table 3.4-41(a) continued

Analyte	Location ID	Distance from 260 Outfall (ft)	Sample ID	Sample Concentration (µg/l)	Media	Collection Date	Field Preparation
Magnesium (continued)	16-2653	–20	0316-97-3024	4750(J)	Water	25-Jun-97	Filtered
	16-2653	–20	0316-97-3025	4830(J)	Water	27-Jun-97	Unfiltered
	16-2653	–20	0316-97-3106	4800	Water	17-Sep-97	Unfiltered
	16-2653	–20	0316-97-3107	4800	Water	17-Sep-97	Filtered
	16-2659	3110	0316-97-0486	6700	Water	22-Dec-97	Unfiltered
Manganese	16-2654	NA	0316-97-3102	3200	Water	17-Sep-97	Unfiltered
	16-2654	NA	0316-97-3103	2700	Water	17-Sep-97	Filtered
	16-2655	–1830	0316-97-0476	710	Water	19-Dec-97	Filtered
	16-2655	–1830	0316-97-0482	740	Water	22-Dec-97	Unfiltered
	16-2656	–10	0316-97-0477	210	Water	19-Dec-97	Filtered
	16-2656	–10	0316-97-0483	1400	Water	19-Dec-97	Unfiltered
	16-2653	–20	0316-97-3024	2.2(J)	Water	25-Jun-97	Filtered
	16-2653	–20	0316-97-3025	3.2(J)	Water	27-Jun-97	Unfiltered
	16-2658	1620	0316-97-0479	1300	Water	22-Dec-97	Filtered
	16-2658	1620	0316-97-0485	1800	Water	22-Dec-97	Unfiltered
	16-2659	3110	0316-97-0480	10	Water	22-Dec-97	Filtered
Nitrogen, nitrate + nitrite (expressed as N)	16-2655	–1830	0316-97-0476	850	Water	19-Dec-97	Filtered
	16-2655	–1830	0316-97-0482	1100	Water	22-Dec-97	Unfiltered
	16-2656	–10	0316-97-0477	1700	Water	19-Dec-97	Filtered
	16-2656	–10	0316-97-0483	2100	Water	19-Dec-97	Unfiltered
	16-2659	3110	0316-97-0480	320	Water	22-Dec-97	Filtered
	16-2659	3110	0316-97-0486	320	Water	22-Dec-97	Unfiltered
Potassium	16-2654	NA	0316-97-3102	3000	Water	17-Sep-97	Unfiltered
	16-2654	NA	0316-97-3103	2000	Water	17-Sep-97	Filtered
	16-2655	–1830	0316-97-0476	9000	Water	19-Dec-97	Filtered
	16-2655	–1830	0316-97-0482	9000	Water	22-Dec-97	Unfiltered
	16-2656	–10	0316-97-0477	3000	Water	19-Dec-97	Filtered
	16-2656	–10	0316-97-0483	10 000	Water	19-Dec-97	Unfiltered
	16-2653	–20	0316-97-3024	3150(J)	Water	25-Jun-97	Filtered
	16-2653	20	0316-97-3025	3190(J)	Water	27-Jun-97	Unfiltered
	16-2653	20	0316-97-3106	3000	Water	17-Sep-97	Unfiltered
	16-2653	20	0316-97-3107	2000	Water	17-Sep-97	Filtered
	16-2658	1620	0316-97-0479	2000	Water	22-Dec-97	Filtered
	16-2658	1620	0316-97-0485	6000	Water	22-Dec-97	Unfiltered
	16-2659	3110	0316-97-0480	3000	Water	22-Dec-97	Filtered
	16-2659	3110	0316-97-0486	6000	Water	22-Dec-97	Unfiltered
Sodium	16-2655	–1830	0316-97-0476	190 000	Water	19-Dec-97	Filtered
	16-2655	–1830	0316-97-0482	170 000	Water	22-Dec-97	Unfiltered
	16-2656	–10	0316-97-0477	19000	Water	19-Dec-97	Filtered
	16-2656	–10	0316-97-0483	21 000	Water	19-Dec-97	Unfiltered
	16-2653	–20	0316-97-3024	19 000	Water	25-Jun-97	Filtered
	16-2653	–20	0316-97-3025	19 000	Water	27-Jun-97	Unfiltered
	16-2658	1620	0316-97-0479	19 000	Water	22-Dec-97	Filtered
	16-2658	1620	0316-97-0485	22 000	Water	22-Dec-97	Unfiltered
	16-2659	3110	0316-97-0480	17 000	Water	22-Dec-97	Filtered

Table 3.4-41(a) continued

Analyte	Location ID	Distance from 260 Outfall (ft)	Sample ID	Sample Concentration (µg/l)	Media	Collection Date	Field Preparation
Sodium (continued)	16-2659	3110	0316-97-0486	17 000	Water	22-Dec-97	Unfiltered
Vanadium	16-2655	–1830	0316-97-0482	10	Water	22-Dec-97	Unfiltered
	16-2656	–10	0316-97-0483	30	Water	19-Dec-97	Unfiltered
	16-2653	–20	0316-97-3024	2.4(J)	Water	25-Jun-97	Filtered
	16-2653	–20	0316-97-3025	2.8(J)	Water	27-Jun-97	Unfiltered
	16-2658	1620	0316-97-0485	10	Water	22-Dec-97	Unfiltered
	16-2659	3110	0316-97-0486	20	Water	22-Dec-97	Unfiltered
Zinc	16-2654	NA	0316-97-3102	40(J)	Water	17-Sep-97	Unfiltered
	16-2654	NA	0316-97-3103	50(J)	Water	17-Sep-97	Filtered
	16-2653	–20	0316-97-3106	50(J)	Water	17-Sep-97	Unfiltered

[a] 16-2654 = Fish Ladder Seep
[b] NA = Not analyzed
[c] A negative value indicates distance upstream from the TA-16-260 outfall.
[d] 16-2653 = Peter Seep.
[e] J = The reported value is an estimated quantity.

Table 3.4-41(b)
Results for Water Quality Inorganic Chemicals in Alluvial Water and Seeps

Analyte	Location ID	Distance from 260 Outfall (ft)	Sample ID	Sample Concentration (nv)[a]	Units	Media	Collection Date	Field Prepration
Alkalinity, total (methyl orange [pH=4.5] end point)	16-2653[b]	–20	0316-97-3026	65 000	µg/l	Water	25-Jun-97	Filtered
	16-2653	–20	0316-97-3027	65 000	µg/l	Water	25-Jun-97	Unfiltered
	16-2653	–20	0316-97-3106	75 000	µg/l	Water	17-Sep-97	Unfiltered
	16-2653	–20	0316-97-3107	77 000	µg/l	Water	17-Sep-97	Filtered
	16-2654[c]	NA[d]	0316-97-3102	84 000	µg/l	Water	17-Sep-97	Unfiltered
	16-2654	NA	0316-97-3103	92 000	µg/l	Water	17-Sep-97	Filtered
Boron	16-2653	–20	0316-97-3026	87.1(J)[e]	µg/l	Water	25-Jun-97	Filtered
	16-2653	–20	0316-97-3027	38.4(J)	µg/l	Water	25-Jun-97	Unfiltered
Bromide	16-2654	NA	0316-97-3102	2000	µg/l	Water	17-Sep-97	Unfiltered
	16-2655	–1830[f]	0316-97-0482	2000	µg/l	Water	22-Dec-97	Unfiltered
Calcium	16-2653	–20	0316-97-3026	18 000	µg/l	Water	25-Jun-97	Filtered
	16-2653	–20	0316-97-3027	18 800	µg/l	Water	25-Jun-97	Unfiltered
Chloride	16-2653	–20	0316-97-3026	16 000	µg/l	Water	25-Jun-97	Filtered
	16-2653	–20	0316-97-3027	16 000	µg/l	Water	25-Jun-97	Unfiltered
	16-2653	–20	0316-97-3106	22 000	µg/l	Water	17-Sep-97	Unfiltered
	16-2653	–20	0316-97-3107	24 000	µg/l	Water	17-Sep-97	Filtered
	16-2654	NA	0316-97-3102	4000	µg/l	Water	17-Sep-97	Unfiltered
	16-2654	NA	0316-97-3103	4000	µg/l	Water	17-Sep-97	Filtered
	16-2655	–1830	0316-97-0476	35 000	µg/l	Water	19-Dec-97	Filtered
	16-2655	–1830	0316-97-0482	36 000	µg/l	Water	22-Dec-97	Unfiltered
	16-2656	–10	0316-97-0477	14 000	µg/l	Water	19-Dec-97	Filtered
	16-2656	–10	0316-97-0483	15 000	µg/l	Water	19-Dec-97	Unfiltered

Table 3.4-41(b) continued

Analyte	Location ID	Distance from 260 Outfall (ft)	Sample ID	Sample Concentration (nv)	Units	Media	Collection Date	Field Prepration
Chloride (continued)	16-2658	1620	0316-97-0479	11 000	µg/l	Water	22-Dec-97	Filtered
	16-2658	1620	0316-97-0485	11 000	µg/l	Water	22-Dec-97	Unfiltered
	16-2659	3110	0316-97-0480	13 000	µg/l	Water	22-Dec-97	Filtered
	16-2659	3110	0316-97-0486	15 000	µg/l	Water	22-Dec-97	Unfiltered
Conductivity	16-2653	–20	0316-97-3026	229	UMHOS[g]	Water	25-Jun-97	Filtered
	16-2653	–20	0316-97-3027	229	UMHOS	Water	25-Jun-97	Unfiltered
	16-2653	–20	0316-97-3106	240	UMHOS	Water	17-Sep-97	Unfiltered
	16-2653	–20	0316-97-3107	220	UMHOS	Water	17-Sep-97	Filtered
	16-2654	NA	0316-97-3102	180	UMHOS	Water	17-Sep-97	Unfiltered
	16-2654	NA	0316-97-3103	170	UMHOS	Water	17-Sep-97	Filtered
Fluoride	16-2653	–20	0316-97-3026	300	µg/l	Water	25-Jun-97	Filtered
	16-2653	–20	0316-97-3027	300	µg/l	Water	25-Jun-97	Unfiltered
	16-2653	–20	0316-97-3106	300	µg/l	Water	17-Sep-97	Unfiltered
	16-2653	–20	0316-97-3107	300	µg/l	Water	17-Sep-97	Filtered
	16-2654	NA	0316-97-3102	200	µg/l	Water	17-Sep-97	Unfiltered
	16-2654	NA	0316-97-3103	200	µg/l	Water	17-Sep-97	Filtered
	16-2655	–1830	0316-97-0476	600	µg/l	Water	19-Dec-97	Filtered
	16-2655	–1830	0316-97-0482	400	µg/l	Water	22-Dec-97	Unfiltered
	16-2656	–10	0316-97-0477	100	µg/l	Water	19-Dec-97	Filtered
	16-2656	–10	0316-97-0483	100	µg/l	Water	19-Dec-97	Unfiltered
pH	16-2653	–20	0316-97-3106	7	SU[h]	Water	17-Sep-97	Unfiltered
	16-2653	–20	0316-97-3107	7.05	SU	Water	17-Sep-97	Filtered
	16-2654	NA	0316-97-3102	6.91	SU	Water	17-Sep-97	Unfiltered
	16-2654	NA	0316-97-3103	6.92	SU	Water	17-Sep-97	Filtered
Potassium	16-2653	–20	0316-97-3026	3120(J)	µg/l	Water	25-Jun-97	Filtered
	16-2653	–20	0316-97-3027	3240(J)	µg/l	Water	25-Jun-97	Unfiltered
Silicon	16-2653	–20	0316-97-3026	20 300	µg/l	Water	25-Jun-97	Filtered
	16-2653	–20	0316-97-3027	18 700	µg/l	Water	25-Jun-97	Unfiltered
	16-2653	–20	0316-97-3106	18 000	µg/l	Water	17-Sep-97	Unfiltered
	16-2653	–20	0316-97-3107	18 000	µg/l	Water	17-Sep-97	Filtered
	16-2654	NA	0316-97-3103	16 000	µg/l	Water	17-Sep-97	Filtered
	16-2654	NA	0316-97-3102	16 000	µg/l	Water	17-Sep-97	Unfiltered
Sodium	16-2653	–20	0316-97-3026	18 700	µg/l	Water	25-Jun-97	Filtered
	16-2653	–20	0316-97-3027	19 300	µg/l	Water	25-Jun-97	Unfiltered
Solids, total dissolved	16-2653	–20	0316-97-3026	180 000	µg/l	Water	25-Jun-97	Filtered
	16-2653	–20	0316-97-3027	180 000	µg/l	Water	25-Jun-97	Unfiltered
	16-2653	–20	0316-97-3106	160 000	µg/l	Water	17-Sep-97	Unfiltered
	16-2653	–20	0316-97-3107	170 000	µg/l	Water	17-Sep-97	Filtered
	16-2654	NA	0316-97-3102	150 000	µg/l	Water	17-Sep-97	Unfiltered
	16-2654	NA	0316-97-3103	140 000	µg/l	Water	17-Sep-97	Filtered
Solids, total suspended	16-2654	NA	0316-97-3102	160 000	µg/l	Water	17-Sep-97	Unfiltered
Sulfate	16-2653	–20	0316-97-3026	10 000	µg/l	Water	25-Jun-97	Filtered
	16-2653	–20	0316-97-3027	10 000	µg/l	Water	25-Jun-97	Unfiltered
	16-2653	–20	0316-97-3106	12 000	µg/l	Water	17-Sep-97	Unfiltered

Table 3.4-41(b) continued

Analyte	Location ID	Distance from 260 Outfall (ft)	Sample ID	Sample Concentration (nv)	Units	Media	Collection Date	Field Prepration
Sulfate (continued)	16-2653	–20	0316-97-3107	13 000	µg/l	Water	17-Sep-97	Filtered
	16-2654	NA	0316-97-3102	8000	µg/l	Water	17-Sep-97	Unfiltered
	16-2654	NA	0316-97-3103	9000	µg/l	Water	17-Sep-97	Filtered
	16-2655	–1830	0316-97-0476	60 000	µg/l	Water	19-Dec-97	Filtered
	16-2655	–1830	0316-97-0482	23 000	µg/l	Water	22-Dec-97	Unfiltered
	16-2656	–10	0316-97-0477	11 000	µg/l	Water	19-Dec-97	Filtered
	16-2656	–10	0316-97-0483	19 000	µg/l	Water	19-Dec-97	Unfiltered
	16-2658	1620	0316-97-0479	8000	µg/l	Water	22-Dec-97	Filtered
	16-2658	1620	0316-97-0485	10 000	µg/l	Water	22-Dec-97	Unfiltered
	16-2659	3110	0316-97-0480	10 000	µg/l	Water	22-Dec-97	Filtered
	16-2659	3110	0316-97-0486	13 000	µg/l	Water	22-Dec-97	Unfiltered
Turbidity	16-2653	–20	0316-97-3026	6.5	NTU[i]	Water	25-Jun-97	Filtered
	16-2653	–20	0316-97-3027	6.6	NTU	Water	25-Jun-97	Unfiltered
	16-2653	–20	0316-97-3106	9.5	NTU	Water	17-Sep-97	Unfiltered
	16-2653	–20	0316-97-3107	5.7	NTU	Water	17-Sep-97	Filtered
	16-2654	NA	0316-97-3102	19	NTU	Water	17-Sep-97	Unfiltered
	16-2654	NA	0316-97-3103	4.3	NTU	Water	17-Sep-97	Filtered

[a] NV = Not validated. Applies to all concentrations in this column.
[b] 16-2653 = Peter Seep.
[c] 16-2654 = Fish Ladder Seep.
[d] NA = Not analyzed.
[e] J = The reported value is an estimated quantity.
[f] A negative value indicates distance upstream from the TA-16-260 outfall.
[g] UMHOS = micro-mhos.
[h] U = Standard unit.
[i] NTU = Nephelometric turbidity unit.

Major Constituents

The major elements, the most abundant constituents in rock and water, are discussed below. These constituents are addressed for the purpose of delineating the conceptual model for the TA-16-260 outfall site. Major element abundances are used to assess the origins and history of water systems and to identify possible connectivity between the different water systems including surface water, alluvial water, springs, and seeps. Compositions of major elements may yield information about the environments through which water has circulated. These elements have been carried forth as COPCs.

The following major elements are above the background distributions based on statistical tests in the surface water samples and are discussed individually below: calcium (filtered and unfiltered), chloride (filtered and unfiltered), fluoride (filtered and unfiltered), potassium (filtered and unfiltered), sodium (filtered and unfiltered), magnesium (filtered and unfiltered), sulfate (filtered and unfiltered), silicon dioxide (filtered and unfiltered), and TDS (filtered and unfiltered). Major constituents not above the background distributions based on statistical test include: bicarbonate, boron, and lithium.

Calcium concentrations in the alluvial water samples appear to be statistically higher than the background data set (Appendix D). The highest concentrations of calcium are present in the location updrainage from

the 260 source area in the steam plant drainage (location 16-2655). These concentrations are 30 000 µg/l (filtered) and 32 000 µg/l (unfiltered). The concentration just updrainage from the 260 source area in Cañon de Valle (location 16-2656) is 21 000 µg/l (unfiltered). The samples down drainage from the source area in Cañon de Valle at location 16-2658 are 16 000 µg/l (filtered) and 19 000 µg/l (unfiltered). The samples at the furthest down drainage location from the source area in Cañon de Valle (location 16-2659) are 16 000 µg/l (filtered) and 17 000 µg/l (unfiltered). Concentrations of calcium from water samples collected from Peter Seep in June 1997 are 18 200 µg/l (filtered) and 18 400 µg/l (unfiltered).

Magnesium concentrations in the alluvial water samples appear to be higher in abundance than the majority of the background data set (Appendix D). The sample from the most down drainage location (location 16-2659) contained magnesium at a concentration of 6700 µg/l (filtered). Water was collected from Peter Seep and Fish Ladder Seep in June and September 1997. Concentrations of magnesium in the June Peter Seep samples are 4750 µg/l (filtered) and 4830 µg/l (unfiltered). Concentrations of magnesium in the September Peter Seep samples are 4000 µg/l (filtered) and 4200 µg/l (unfiltered). Concentrations of magnesium in the Fish Ladder Seep samples (collected in September 1997) are 4800 µg/l (filtered) and 4800 µg/l (unfiltered).

Potassium concentrations in the alluvial water samples appear to be higher in abundance than the background data set (Appendix D). The concentrations of potassium updrainage from the 260 source area in the steam plant drainage (location 16-2655) are 9000 µg/l (filtered and unfiltered). The concentration just updrainage from the 260 source area in Cañon de Valle (location 16-2656) is 10 000 µg/l (unfiltered). The samples down drainage from the source area in Cañon de Valle (locations 16-2658 and 16-2659) contain potassium at concentrations of 6000 µg/l (unfiltered). Water was collected from Peter Seep and Fish Ladder Seep in June and September 1997. Concentrations of potassium in the June Peter Seep samples are 3120 µg/l (filtered) and 3240 µg/l (unfiltered). Concentrations of potassium in the September Peter Seep samples are 2000 µg/l (filtered) and 3000 µg/l (unfiltered). Concentrations of magnesium in the Fish Ladder Seep samples (collected in September 1997) are 2000 µg/l (filtered) and 3000 µg/l (unfiltered).

Sodium concentrations in the alluvial water samples appear to be higher in abundance than the majority of the background data set (Appendix D). The highest concentrations of sodium are present in the location updrainage from the 260 source area in the steam plant drainage (location 16-2655). The concentrations are 190 000 µg/l (filtered) and 170 000 µg/l (unfiltered). The concentrations just updrainage from the 260 source area in Cañon de Valle (location 16-2656) are 19 000 µg/l (filtered) and 21 000 µg/l (unfiltered). The samples down drainage from the source area in Cañon de Valle (locations 16-2658 and 16-2659) are 17 000 to 22 000 µg/l. Water was collected from Peter Seep in June 1997. Concentrations of sodium are 18 700 µg/l (filtered) and 19 300 µg/l (unfiltered).

Chloride, fluoride, sulfate, silicon dioxide, and TDS concentrations in the alluvial water samples all appear to be higher in abundance than the majority of the background data set (Appendix D). The highest concentrations for chloride, fluoride, and sulfate come from alluvial well 16-2655 and decrease downgradient in Cañon de Valle. It is not consistent in whether the filtered or unfiltered samples are more elevated. Peter Seep appears to have similar concentrations to the closest alluvial well (16-2656), whereas Fish Ladder Seep appears to have lower concentrations of chloride, fluoride, and sulfate than most alluvial water in Cañon de Valle. TDS and silicon dioxide were analyzed only in Peter Seep and Fish Ladder Seep, not in the alluvial wells.

Summary of COPCs for Major Constituents

Table 3.4-42 summarizes the evidence for a release of those inorganic major constituents that appear in Table 3.4-41(a, b). Most of these major constituents do not have a known source either at PRS 16-021(c) or in any TA-16 process. Possible sources of these elevated major constituents are provided in Section 3.4.3. All inorganic major constituents not listed in Table 3.4-42 did not have a distribution significantly different than the background distribution.

Table 3.4-42
Results of Water Quality Inorganic Chemicals Data Review for Alluvial Water Samples in Cañon de Valle—Major Constituents

Analyte	Media	Result	Rationale for Retaining or Eliminating as a COPC
Calcium	Water	Retained	The alluvial data set was greater than the background data set based on the Wilcoxon statistical test.
Chloride	Water	Retained	The alluvial data set was greater than the background data set based on the Wilcoxon statistical test.
Fluoride	Water	Retained	The alluvial data set was greater than the background data set based on the Wilcoxon statistical test.
Potassium	Water	Retained	The alluvial data set was greater than the background data set based on the Wilcoxon statistical test.
Magnesium	Water	Retained	The alluvial data set was greater than the background data set based on the Wilcoxon statistical test.
Sodium	Water	Retained	The alluvial data set was greater than the background data set based on the Wilcoxon statistical test.
Sulfate	Water	Retained	The alluvial data set was greater than the background data set based on the Wilcoxon statistical test.
Silicon dioxide	Water	Retained	The alluvial data set was greater than the background data set based on the Wilcoxon statistical test.
Total dissolved solids	Water	Retained	The alluvial data set was greater than the background data set based on the Wilcoxon statistical test.

Minor Constituents

The following minor elements are above the background distributions based on statistical tests in the alluvial water samples and are discussed individually below: arsenic (unfiltered), barium (filtered and unfiltered), iron (unfiltered), lead (unfiltered), and vanadium (unfiltered). These constituents are retained as COPCs because concentrations are significantly different than the background data set based on the Wilcoxon statistical test. Minor constituents not above the background distributions based on statistical tests include: antimony, beryllium, cadmium, chromium, cobalt, copper, cyanide, mercury, selenium, silver, and thallium, and zinc. A location map showing all Cañon de Valle water sampling locations with contaminant data is provided in Figure 3.4-7(a–g).

Arsenic concentrations in the alluvial water samples appear to be higher in abundance than the majority of the background data set (Appendix D). The highest concentration is 25 µg/l (unfiltered) in Peter Seep. Fish Ladder Seep also has arsenic detections at 21 µg/l (unfiltered) and 20 µg/l (filtered). The only alluvial well with any arsenic detection is 16-2656 at 9 µg/l (unfiltered).

Barium concentrations in the alluvial water are higher in abundance than the majority of the background data set. The concentration of barium updrainage from the 260 source area in the steam plant drainage

(location 16-2655) is much lower than the concentrations at locations down drainage from the source area. The concentrations of barium updrainage from the 260 source area in the steam plant drainage are 110 µg/l (filtered) and 160 µg/l (unfiltered). The concentrations just updrainage from the 260 source area in Cañon de Valle (location 16-2656) are 3100 µg/l (filtered) and 4300 µg/l (unfiltered). Barium concentrations in samples from locations down drainage from the 260 source area (location 16-2658) are 12000 µg/l (filtered) and 16000 µg/l (unfiltered). Barium concentrations in the most downgradient location (16-2659) are 5000 µg/l (filtered) and 6800 µg/l (unfiltered). Water was collected from Peter Seep in June and September 1997. Concentrations of barium from the first sampling event (June) are 753 µg/l (filtered) and 763 µg/l (unfiltered), and concentrations from the September samples are 3400 µg/l (filtered) and 3000 µg/l (unfiltered). Samples collected from Fish Ladder Seep in September showed concentrations of 1000 µg/l (filtered) and 1100 µg/l (unfiltered).

Iron concentrations in the alluvial water samples are higher in abundance than the majority of the background data set (Appndix D). The only elevated concentrations are found in Peter Seep and Fish Ladder Seep. The highest concentration (6 600 µg/l, unfiltered) is in Fish Ladder Seep (16-2654).

Lead concentrations in the alluvial water are higher in abundance than the majority of the background data set. The concentrations of lead updrainage from the 260 source area in the steam plant drainage (location 16-2655) are 2 to 5 µg/l, which is within the background range. The concentrations just updrainage from the 260 source area in Cañon de Valle (location 16-2656) are 1 µg/l (filtered) and 38 µg/l (unfiltered). The unfiltered sample contained a concentration above the background range. The unfiltered sample down drainage from the source area in Cañon de Valle (location 16-2658) contains 59 µg/l lead (above the background range), and the sample from the most down drainage location (location 16-2659) contains 15 µg/l lead (above the background range). Water collected from Peter Seep in September 1997 showed concentrations of lead at 3 µg/l (filtered) and 5 µg/l (unfiltered).

Vanadium concentrations in the alluvial water are higher in abundance than the majority of the background data set. All of the samples with elevated concentrations are unfiltered. Vanadium is found at 10 µg/l in the updrainage location in the steam plant drainage (location 16-2655). The updrainage location in Cañon de Valle (location 16-2656) contains 30 µg/l. The vanadium concentration in the sample down drainage from the 260 source area (location 16-2658) is 10 µg/l, and the vanadium concentration in the most downgradient location (location 16-2659) is 20 µg/l. Water collected from Peter Seep in June 1997 showed concentrations of vanadium at 2.4 µg/l (filtered) and 2.8 µg/l (unfiltered).

Summary of COPCs for Minor Constituents

The alluvial water and seeps have higher abundances of some of the minor cations than the background data sets for alluvial and seep water.

The concentrations of arsenic, barium, iron, lead, and vanadium are elevated above the background concentrations. Most of these metals have known sources at TA-16 and most likely represent anthropogenic contamination.

Table 3.4-43 presents the results of the inorganic data review for alluvial and seep water samples. The inorganic chemicals that are retained as COPCs are arsenic, barium, iron, lead, and vanadium because these minor elements are above background concentrations in the alluvial well water and seep water samples.

Table 3.4-43
Results of Inorganic Data Review for Alluvial Water Samples in Cañon de Valle—Minor Constituents

Analyte	Media	Result	Rationale for Retaining or Eliminating as a COPC
Aluminum	Water	Eliminated	The alluvial data set was not greater than the background data set based on the Wilcoxon statistical test.
Arsenic	Water	Retained	The unfiltered alluvial data set was greater than the background data set based on the Wilcoxon statistical test.
Barium	Water	Retained	The alluvial data set was greater than the background data set based on the Wilcoxon statistical test.
Beryllium	Water	Eliminated	The alluvial data set was not greater than the background data set based on the Wilcoxon statistical test.
Chromium	Water	Eliminated	The alluvial data set was not greater than the background data set based on the Wilcoxon statistical test.
Iron	Water	Retained	The unfiltered alluvial data set was greater than the background data set based on the Wilcoxon statistical test.
Lead	Water	Retained	The unfiltered alluvial data set was greater than the background data set based on the Wilcoxon statistical test.
Manganese	Water	Eliminated	The alluvial data set was not greater than the background data set based on the Wilcoxon statistical test.
Mercury	Water	Eliminated	The alluvial data set was not greater than the background data set based on the Wilcoxon statistical test.
Selenium	Water	Eliminated	The alluvial data set was not greater than the background data set based on the Wilcoxon statistical test.
Thallium	Water	Eliminated	The alluvial data set was not greater than the background data set based on the Wilcoxon statistical test.
Uranium	Water	Eliminated	The alluvial data set was not greater than the background data set based on the Wilcoxon statistical test.
Vanadium	Water	Retained	The unfiltered alluvial data set was greater than the background data set based on the Wilcoxon statistical test.
Zinc	Water	Eliminated	The alluvial data set was not greater than the background data set based on the Wilcoxon statistical test.

3.4.2.4.2 Evaluation of HE

This section presents the analytical results for HE and other organic compounds for alluvial water and seeps. Complete analytical data for all HE compounds is presented in Appendix I. HE and other organic compounds will be discussed separately below.

Validation results for the HE data are summarized in Appendix C. The data quality assessment is discussed in Section 3.4.1. Spike recovery was low for one analyte in one request number, which has a minimal effect on the data set as a whole.

Table 3.4-44 presents the frequency of HE that exceeds detection limits.

Table 3.4-44
Frequency of Detected HEs in Alluvial Water

Analyte	Media	Number of Analyses	EQL[a] (µg/l)	Concentration Range (µg/l)	Frequency of Detects
Amino-2,6-dinitrotoluene[4-]	Water	14	0.06	[0.25][b]–4.9	6/14
Amino-4,6-dinitrotoluene[2-]	Water	10	0.035	[0.25]–4.9	6/10
HMX	Water	14	NC[c]	[1]–21	8/14
RDX	Water	14	0.84	[0.84]–48	8/14
Trinitrotoluene[2,4,6-]	Water	14	0.11	[0.05]–20	4/14

[a] EQL = Estimated quantitation limit.

[b] Brackets indicate the value is below detection limits, although some analytes may be detected at values within this range.

[c] ND = Not calculated.

Five HE compounds were above detection limits: amino-2,6-dinitrotoluene[4-], amino-2,6-dinitrotoluene[2-], HMX, RDX, and trinitrotoluene[2,4,6-]. Amino-dinitrotoluenes were detected in two alluvial well locations and one seep location. HMX and RDX were detected in 4 alluvial well locations and one seep location. Trinitrotoluene[2,4,6-] was detected in one alluvial well location and one seep location. The HE results for the alluvial and seep water above the detection limits are summarized in Table 3.4-45.

Table 3.4-45
Results for HE in Alluvial Water and Seeps

Analyte	Location ID	Distance from 260 Outfall (ft)	Sample ID	Sample Concentration (µg/l)	Media	Collection Date	Field Preparation
Amino-2,6-dinitrotoluene[4-]	16-2653[a]	–20	0316-97-3024	0.534	Water	25-Jun-97	Filtered
	16-2653	–20	0316-97-3025	0.559	Water	25-Jun-97	Unfiltered
	16-2653	–20	0316-97-3106	0.75	Water	17-Sep-97	Unfiltered
	16-2653	–20	0316-97-3107	0.75	Water	17-Sep-97	Filtered
	16-2659	3110	0316-97-0480	3.6	Water	22-Dec-97	Filtered
	16-2659	3110	0316-97-0486	4.9	Water	22-Dec-97	Unfiltered
Amino-4,6-dinitrotoluene[2-]	16-2653	–20	0316-97-3024	0.211	Water	25-Jun-97	Filtered
	16-2653	–20	0316-97-3025	0.196	Water	25-Jun-97	Unfiltered
	16-2653	–20	0316-97-3106	0.28	Water	17-Sep-97	Unfiltered
	16-2653	–20	0316-97-3107	0.3	Water	17-Sep-97	Filtered
	16-2659	3110	0316-97-0480	3.2	Water	22-Dec-97	Filtered
	16-2659	3110	0316-97-0486	4.9	Water	22-Dec-97	Unfiltered
HMX	16-2653	–20	0316-97-3024	0.754	Water	25-Jun-97	Filtered
	16-2653	–20	0316-97-3025	0.825	Water	25-Jun-97	Unfiltered
	16-2653	–20	0316-97-3106	1.8	Water	17-Sep-97	Unfiltered
	16-2653	–20	0316-97-3107	1.8	Water	17-Sep-97	Filtered
	16-2658	1620	0316-97-0479	5.3	Water	22-Dec-97	Filtered
	16-2658	1620	0316-97-0485	2.4	Water	22-Dec-97	Unfiltered
	16-2659	3110	0316-97-0480	21	Water	22-Dec-97	Filtered
	16-2659	3110	0316-97-0486	19	Water	22-Dec-97	Unfiltered

Table 3.4-45 continued

Analyte	Location ID	Distance from 260 Outfall (ft)	Sample ID	Sample Concentration (µg/l)	Media	Collection Date	Field Preparation
RDX	16-2656	-10[b]	0316-97-0477	2.8	Water	19-Dec-97	Filtered
	16-2656	-10	0316-97-0483	1.6	Water	19-Dec-97	Unfiltered
	16-2653	–20	0316-97-3024	5.4	Water	25-Jun-97	Filtered
	16-2653	–20	0316-97-3025	4.64	Water	25-Jun-97	Unfiltered
	16-2653	–20	0316-97-3106	9.8	Water	17-Sep-97	Unfiltered
	16-2653	–20	0316-97-3107	9.5	Water	17-Sep-97	Filtered
	16-2659	3110	0316-97-0480	42	Water	22-Dec-97	Filtered
	16-2659	3110	0316-97-0486	48	Water	22-Dec-97	Unfiltered
Trinitrotoluene[2,4,6-]	16-2653	–20	0316-97-3024	0.051	Water	25-Jun-97	Filtered
	16-2653	–20	0316-97-3106	0.9	Water	17-Sep-97	Unfiltered
	16-2653	–20	0316-97-3107	1.3	Water	17-Sep-97	Filtered
	16-2659	3110	0316-97-0486	20	Water	22-Dec-97	Unfiltered

[a] 16-2653 = Peter Seep.
[b] A negative value indicates distance upstream from the TA-16-260 outfall.

HE was detected in all of the alluvial wells in Cañon de Valle and in Peter Seep. HE was not detected in Fish Ladder Seep or in the updrainage alluvial well in the steam plant drainage.

Amino-2,6-dinitrotoluene[4-] and amino-2,6-dinitrotoluene[6-] were detected in the most down drainage alluvial well samples (location 16-2659) at concentrations below 5 µg/l and in Peter Seep at concentrations less than 0.1 µg/l. HMX was detected in the alluvial water 1620 ft below the 260 source area (location 16-2658) at concentrations of 5.3 µg/l. Concentration of HMX in the most down drainage alluvial well (location 16-2659) is 21 µg/l. Peter Seep contained HMX at concentrations of 1.8 µg/l. RDX is present at concentration of 2.8 µg/l in the Cañon de Valle alluvial well just updrainage from the 260 source area (location 16-2656). Concentrations of RDX increase to 48 µg/l in the most down drainage alluvial well samples (location 16-2659). Peter Seep contains RDX at concentrations up to 9.8 µg/l. Trinitrotoluene[2,4,6-] was detected in the most down drainage location (location 16-2659) at 20 µg/l and in Peter Seep at 1.3 µg/l.

The farthest alluvial well down drainage (location 16-2659) is contaminated with the five HE compounds found that are above detection limits. Water from this well contains higher concentrations of these compounds than water from other alluvial wells or seeps. Table 3.4-46 presents the evidence for a release of HE chemicals.

Table 3.4-46

Results of HE Data Review for Alluvial Water Samples and Seeps

Analyte	Media	Result	Rationale for Retaining or Eliminating as a COPC
Amino-2,6-dinitrotoluene[4-]	Water	Retained	Six of the 14 samples exceed the detection limit.
Amino-4,6-dinitrotoluene[2-]	Water	Retained	Six of the 14 samples exceed the detection limit.
HMX	Water	Retained	Eight of the 14 samples exceed the detection limit.
RDX	Water	Retained	Eight of the 14 samples exceed the detection limit.
Trinitrotoluene[2,4,6-]	Water	Retained	Four of the 14 samples exceed the detection limit.

3.4.2.4.3 Evaluation of Other Organic Chemicals

Validation results for the organic data are summarized in Appendix C. The data quality assessment is discussed in Section 3.4.1. No QA/QC issues effect the VOC and SVOC data.

Table 3.4-47 presents the frequency of other organic chemicals detected.

Table 3.4-47
Frequency of Other Organic Chemicals Detected in Alluvial Water

Analyte	Media	Number of Analyses	EQL[a] (µg/l)	Concentrations Range (µg/l)	Frequency of Detects
Acetone	Water	11	20	[20][b]–41	3/11
Dichloroethene[cis-1,2-]	Water	11	10	[5]–19	1/11

[a] EQL = Estimated quantitation limit

[b] Brackets indicate the value is below detection limits, although some analytes may be detected at values within this range.

Acetone was detected in one alluvial well sample and two seep samples. Dichloroethene[cis-1,2-] was detected in one alluvial well location. The results for the alluvial and seep water above the detection limits are summarized in Table 3.4-48.

Table 3.4-48
Results for Other Organic Chemicals in Alluvial Water and Seeps

Analyte	Location ID	Distance from 260 Outfall(ft)	Sample ID	Sample Concentration (µg/l)	Media	Collection Date	Field Preparation
Acetone	16-2654[a]	NA[b]	0316-97-3102	40	Water	17-Sep-97	Unfiltered
	16-2655	–1830[c]	0316-97-0476	41	Water	19-Dec-97	Filtered
	16-2653[d]	–20	0316-97-3106	31	Water	17-Sep-97	Unfiltered
Dichloroethene[cis-1,2-]	16-2654	NA	0316-97-3102	19	Water	17-Sep-97	Unfiltered

[a] 16-2654 = Fish Ladder Seep.

[b] NA = Not analyzed.

[c] A negative value indicates distance upstream from the TA-16-260 outfall.

[d] 16-2653 = Peter Seep.

Acetone was the only VOC that was above the detection limits in the alluvial well samples. It was detected in sample 0316-97-0476 at the location updrainage from the 260 source area in the steam plant drainage (location 16-2655) at 41 µg/l. No VOCs were detected in any of the down drainage alluvial wells. Acetone was detected in Peter Seep at 31 µg/l, and the other organics were detected at concentrations below 5 µg/l. Acetone and dichloroethene[cis-1,2-] were detected in Fish Ladder Seep at 40 µg/l and 19 µg/l, respectively. Table 3.4-49 presents the rational for retaining organic chemicals as COPCs.

Table 3.4-49
Results of Other Organic Compound Data Review for Alluvial Water Samples in Cañon de Valle

Analyte	Media	Result	Rationale for Retaining s a COPC
Acetone	Water	Retained	Three samples were above detection.
Dichloroethene[cis-1,2-]	Water	Retained	One sample was above detection.

3.4.3 Data Summary and Interpretation

This section (1) reviews results from previous sections and summarizes COPCs in the Cañon de Valle alluvial system and (2) discusses major and minor constituents and how these relate to the hydrogeologic conceptual model.

3.4.3.1 COPCs

Based on the previously presented data review of RFI data, the following constituents were identified as COPCs in:

- Surface sediments: antimony, arsenic, barium, cadmium, chromium, cobalt, copper, cyanide, iron, lead, manganese, mercury, nickel, selenium, silver, thallium, vanadium, zinc, cesium-137, amino-2,6 dinitrotoluene (4-), amino-4,6 dinitrotoluene (2-), HMX, nitrobenzene, nitrotoluene (3-), RDX, trinitrobenzene (1,3,5-), trinitrotoluene (2,4,6-), acetone, dichlorofluoromethane, isopropyltoluene, toluene, trichloro-1,2,2-trifluoroethane (1,1,2-), trichloromethane, benzoic acid, benzyl alcohol, bis (2-ethylhexyl) phthalate, di-n-butylphthalate, diethylphthalate, fluoranthene, phenol, and pyrene. (note that several of these COPC were identified because the detection limit was greater than the background value)

- Subsurface sediments and tuff: antimony, barium, cadmium, chromium, copper, cyanide, lead, mercury, selenium, silver, thallium, zinc, dinitrobenzene (1,3-), HMX, trinitrobenzene (1,3,5-), trinitrotoluene (2,4,6-), acetone, methylene chloride, and bis (2-ethylhexyl) phthalate.

- Surface water: antimony, barium, calcium, cadmium, chromium, lead, magnesium, manganese, mercury, nickel, potassium, sodium, thallium, vanadium, zinc, uranium-234, unranium-238, amino-2,6 dinitrotoluene (4-), amino-4,6 dinitrotoluene (2-), dinitrotoluene (2,4-), HMX, nitrotoluene (3-), RDX, trinitrobenzene (1,3,5-), trinitrotoluene (2,4,6-), acetone, bis (2-ethylhexyl) phthalate, chlorophenol (2-), di-n-octylphthalate, dichloroethane (1,2-), dinitro-2-methylphenol (4,6-), dinitrotoluene (2,6-), and methyl chloride.

- Alluvial well water and seeps: arsenic, barium, calcium, chloride, fluoride, potassium, magnesium, sodium, sulfate, silicon dioxide, iron, lead, vanadium, amino-2,6 dinitrotoluene (4-), amino-4,6 dinitrotoluene (2-), HMX, RDX, trinitrotoluene (2,4,6-), acetone, and dichloroethene (cis-1,2).

All of these will receive further analysis in Chapter 6. Many of these constituents (e.g. barium, manganese, amino-2,6 dinitrotoluene (4-), amino-4,6 dinitrotoluene (2-), HMX, nitrotoluene (3-), RDX, trinitrobenzene

(1,3,5-), trinitrotoluene (2,4,6-), acetone, dichloroethane (1,2-), and di-n-butylphthalate) were also identified as COPCs in the TA-16 source region (Chapter 2) suggesting that a genetic link between the TA-16-260 outfall and the Cañon de Valle alluvial system is likely.

3.4.3.2 Implications for the Hydrogeologic Conceptual Model

The major element, minor element, and organic data can provide insight to the origins and connectivity of the different water systems at TA-16 including surface water, alluvial water, seeps, and springs. Trend plots for barium, calcium, manganese, potassium, chloride, sulfate, RDX, HMX, amino-2,6-dinitrotoluene(4-), and amino-4,6-dinitrotoluene(2-) are presented in Figure 3.4-10. Interpretations of these data are complicated because samples were taken at different seasons. Nonetheless, data trends can potentially constrain aspects of the hydrogeologic system. Calcium, a representative major cation, and chloride and sulfate, representative minor cations, generally decrease in abundance from the farthest upgradient sample (16-2655) to the farthest downgradient samples (near the Cañon de Valle/ Water Canyon confluence). These trends suggest that an initially high strength ionic fluid present in the upper reaches of the Cañon de Valle system is diluted as the water moves downgradient in the alluvial system. Further discussion of sources of such a high ionic strength fluid are provided in subsection 4.5. Barium is the principal inorganic constituent of concern at the 260 outfall site. Barium exhibits significant variability between data sets. For example, within 500 ft of the 260 outfall confluence with Cañon de Valle, barium has varied between 700 µg/l and 6000 µg/l between 1996 and 1998. Trends in barium data are best evaluated using a single data set such as the 1996 data set, which is the most complete. In this data set, the highest barium concentrations in surface water are directly down stream (185 ft) from the 260 outfall/Cañon de Valle confluence. Barium in surface water is initially diluted by input from the SWSC to Burning Ground springs fluctuates down stream, then peaks at approximately 3275 ft down stream. A plausible source for such high barium surface waters would be the very high barium waters observed in the alluvial wells (i.e. the 16 000 µg/l barium water observed in well 16-2658). This observation suggests limited connectivity between alluvial waters and surface waters in the upper reaches of Cañon de Valle, and greater connectivity at downgradient localities.

The HE constituents depicted on the trend plots (RDX, HMX, amino-2,6-dinitrotoluene[4-], and amino-4,6-dinitrotoluene[2-]) also exhibit significant seasonal heterogeneity. For example, the two very high RDX/HMX points in the 1996 data set were both collected in June 1996, whereas the rest of the data set was collected in September 1996. Again considering the September 1996 data set, the HE all display significant decreases downgradient. Particularly significant decreases occur downgradient from the springs, which dilute the overall high concentrations of HE in Cañon de Valle. Interestingly, in the 1996 data set, RDX decreases in abundance at the location 3275 ft down stream where barium increases. This is generally consistent with tapping of the alluvial system at this point, because the alluvial waters are typically lower in RDX abundance than the surface waters.

To summarize:

- A high TDS, low barium, and low HE alluvial water appears to be present in the upper reaches of Cañon de Valle at TA-16.
- TA-16-260 related contaminants (HE, barium) increase significantly near the confluence of the TA-16-260 outfall and Cañon de Valle. However, the contaminant signature appears to vary seasonally and with time.

- Most constituents decrease in abundance downgradient, either due to dilution from suface water, spring water, or alluvial water; or due to interactions with environmental media (sorption or particulates, photosynthesis, or other natural processes).
- Increasing involvement of alluvial waters in the surface water system may occur downgradient from MDA-P (i.e. at a distance of 3275 ft) based on the increases in barium and RDX.
- Most constituents in water (except barium) have approached background levels by the confluence with Water Canyon.

In the absence of flow measurements in Cañon de Valle, it is difficult to evaluate whether gains or losses of water from the alluvial system are occurring downgradient.

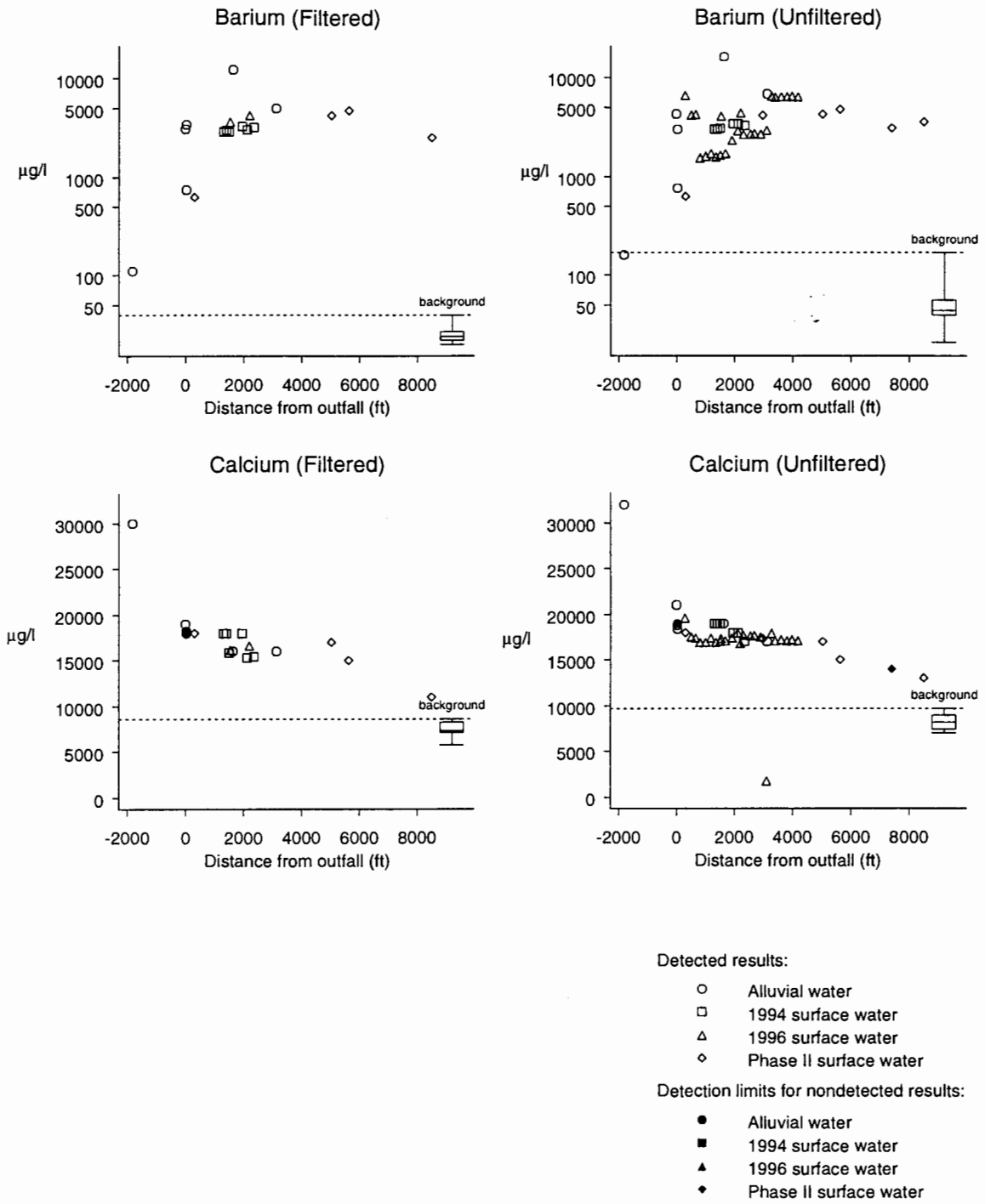


Figure 3.4-10(a). Barium and calcium in water compared with distance from TA-16-260 outfall

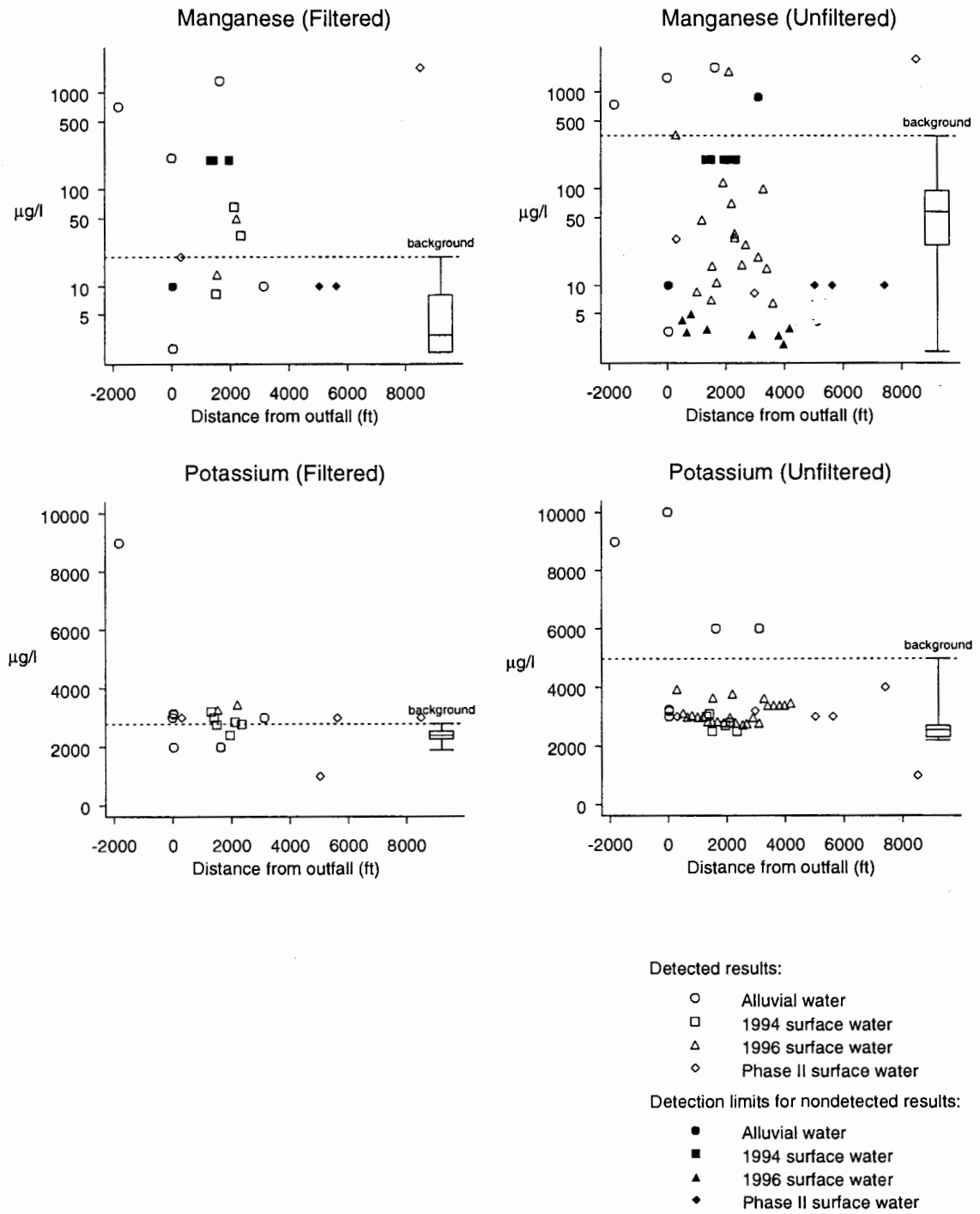
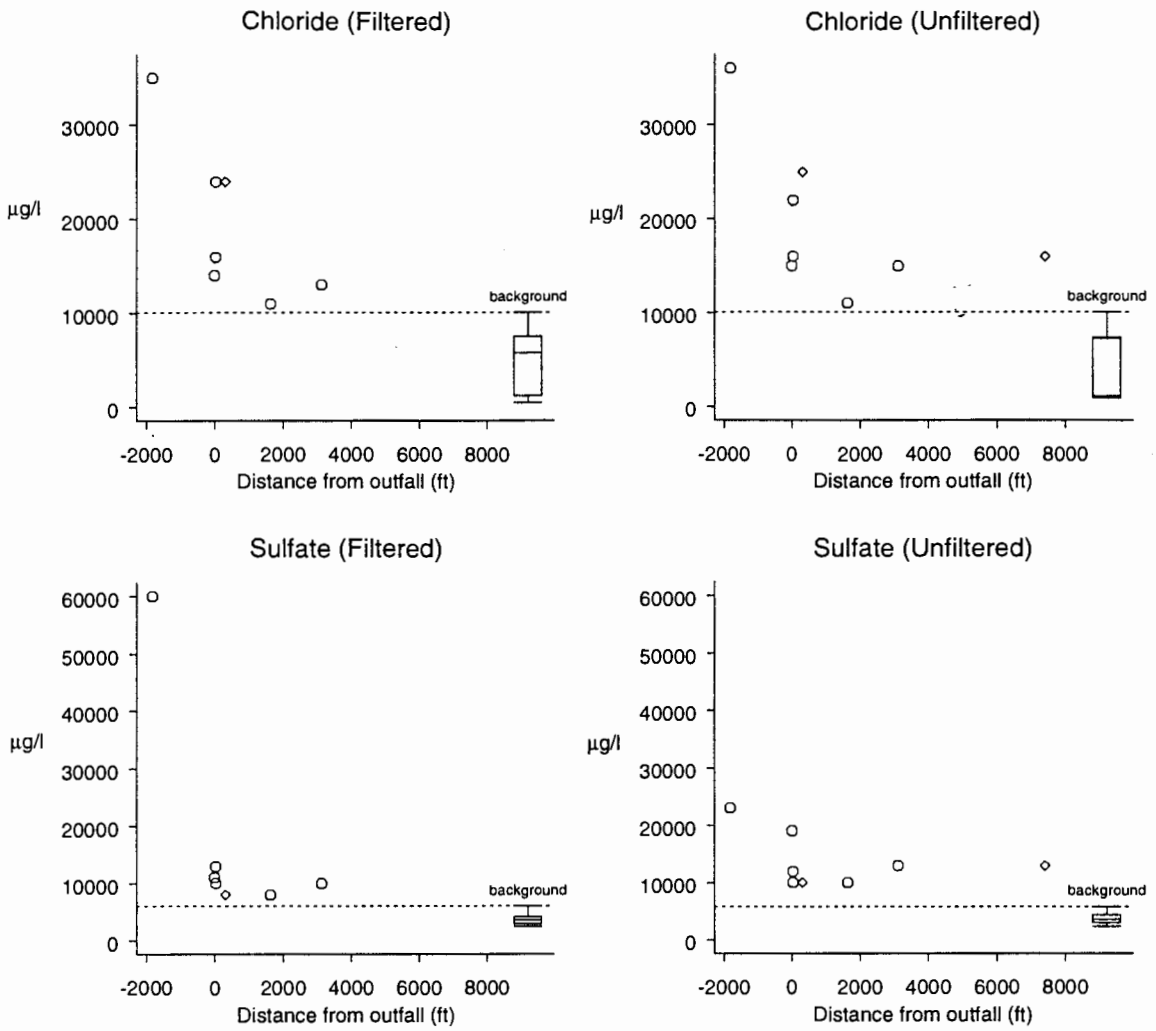


Figure 3.4-10(b). Manganese and potassium in water compared with distance from TA-16-260 outfall



Detected results:

- ○ Alluvial water
- □ 1994 surface water
- △ 1996 surface water
- ◇ Phase II surface water

Detection limits for nondetected results:

- ● Alluvial water
- ■ 1994 surface water
- ▲ 1996 surface water
- ◆ Phase II surface water

Figure 3.4-10(c). Chloride and sulfate in water compared with distance from TA-16-260 outfall

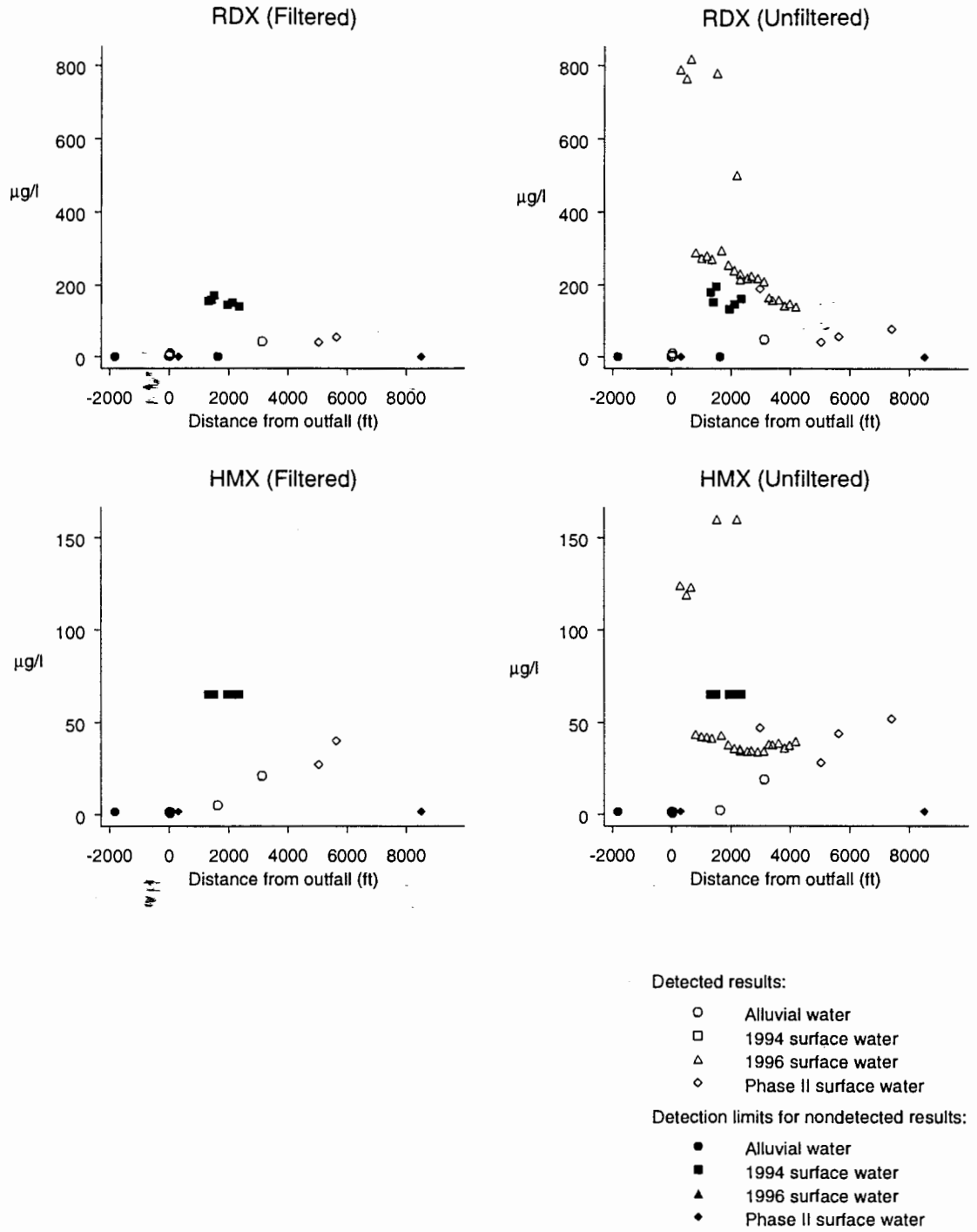


Figure 3.4-10(d). RDX and HMX in water compared with distance from TA-16-260 outfall

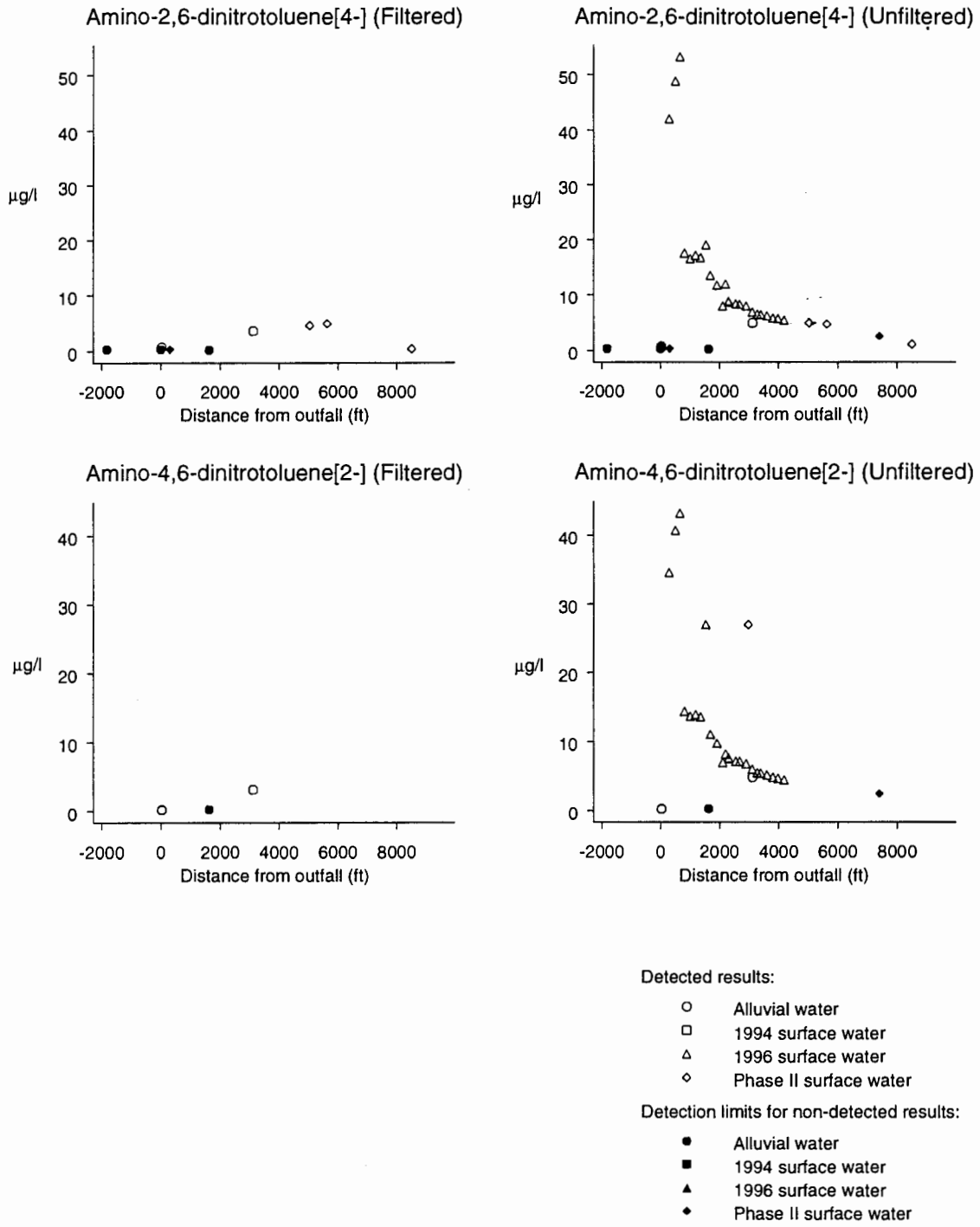


Figure 3.4-10(e). Amino-2,6-dinitrotoluene[4-] and amino-4,6-dinitrotoluene[2-] in water compared with distance from TA-16-260 outfall

4.0 SUBSURFACE SYSTEM INVESTIGATION

4.1 Summary

This section describes the subsurface geohydrology investigation of the study area. This investigation was outlined in detail in the RFI report for PRSs 16-003(k) and 16-021(c) that was submitted to the AA in September 1996 (LANL 1996, 55077).

Investigation of the subsurface hydrogeology for PRS 16-021(c) can be divided into two categories:

- the intermediate-depth (less than 200 ft) borehole investigation of lithologies and saturated zones, and
- the analytical investigation of springs, which included tracer studies.

Spring investigations are included in this section because the springs are a manifestation of the subsurface, perched, saturated system that underlies the northern portion of TA-16.

The principal goals of these investigations were (1) to better understand the transport pathways that connect the TA-16-260 outfall (the source region for PRS 16-021[c]) with perched groundwaters, which manifest themselves as springs in and around TA-16, and (2) to better understand the dynamics of the perched geohydrologic system at TA-16.

The intermediate-depth borehole investigation included drilling four intermediate-depth (126–207 ft) boreholes at locations likely to intersect the perched saturated zones at TA-16. Detailed geologic core logs (see Appendix G) of lithologic units in these boreholes suggest flat-lying subunits, except near Cañon de Valle. The local trend of subunit-subunit contacts is to the north and east. Two of these boreholes intersected ephemeral perched water. In each case, the water dissipated in less than one month. Analysis of this perched water indicated low levels of contamination.

The spring investigation relevant to the subsurface hydrogeology included quarterly sampling of the three springs—SWSC, Burning Ground, and Martin—that have been identified in and around this area of TA-16. Analytical data from this quarterly sampling campaign suggest that all three springs are contaminated with RDX and other HE. Several major cations and anions, including calcium, magnesium, sodium, and boron, were present at levels greater than preliminary Laboratory-wide springs background levels. Boron is particularly elevated (1800 µg/l) in Martin Spring. Minor constituents of aluminum, iron, barium, phosphate, and nitrate were also elevated. Of all these, barium and boron are almost certainly associated with TA-16 operations. Low levels of VOCs have been detected at all three springs. These VOC detects were sporadic, occurring primarily during the quarterly sampling round of June 1997.

Time-series analysis of the springs data suggests extreme variability in the concentration of constituents (up to a factor of 20 in RDX concentration at Martin Spring). Similarities in element variability and flow rate changes over time indicate that SWSC Spring and Burning Ground Spring are hydrogeologically similar, but that Martin Spring probably represents a different hydrogeological system.

A potassium bromide tracer was deployed at PRS 16-021(c) during April 1997. A breakthrough of bromide ions was observed in SWSC Spring during August 1997. Bromide breakthrough may also have occurred at Burning Ground Spring during August 1997, but the effects were more subtle, due to partial

masking by variability in all the anions. The small magnitude of these breakthroughs, as well as the irregular variability of concentration over time, suggest that (1) the TA-16-260 outfall is hydrogeologically connected to SWSC Spring, and potentially connected to Burning Ground Spring; and (2) the transport from the TA-16-260 outfall to the springs is dominated by fracture flow.

4.2 Data Needs and Objectives

The Phase I investigation at PRS 16-021(c), which was reported on in the RFI report of September 1996, confirmed high levels of contaminants in the TA-16-260 outfall and identified contamination in surface waters and spring waters at TA-16 (LANL 1996, 55077). Section 5.2.11 of the same report provided a Phase II sampling and analysis plan (SAP). One significant problem described in the Phase II SAP concerns identifying the groundwater pathways, if any, that connect the TA-16-260 outfall to TA-16's perched saturated zones, seeps, and springs associated with the outfall (LANL 1996, 55077, p. 60).

This subsurface problem was addressed by more focused investigations that were designed to (1) answer questions concerning the hydrologic connectivity between the TA-16-260 outfall and the springs; (2) examine the connection between other potential contaminant sources and the springs; (3) identify COPCs in perched saturated zones which might then require remediation; (4) assist with the siting of potentially long-term monitoring wells, and (5) help design a systematic monitoring system.

To evaluate the data collected during the subsurface investigation, the following decision points and corresponding actions were identified:

- If the saturated pathways connecting the TA-16-260 outfall to the springs are identified, and if they contain constituents at levels greater than MCLs, then implement groundwater monitoring in those pathways.
- If the saturated pathways connecting the TA-16-260 outfall to the springs are not identified, then examine other TA-16 discharge areas associated with other PRSs as potential sources (LANL 1996, 55077, p. 59-61).
- If the TA-16-260 outfall is shown to contribute constituents to intermediate-depth perched saturated zones, and if those constituents present a current or future risk to human health and the environment, then evaluate appropriate remediation alternatives within the context of the CMS.

Specific SAP design elements for the subsurface investigation were delineated in sections 5.2.11.2.1, "Geological/Geophysical Surveys," 5.2.11.2.4, "Mesa-Top Wells," and 5.2.11.6, "Spring Sampling and Tracer Studies" (LANL 1996, 55077, p. 59-72).

4.3 Scope of Sampling and Analysis

The scope of the subsurface investigation focused primarily on Bandelier Tuff and groundwater (if present) to a depth of approximately 200 ft in the north-central portion of TA-16. The investigation also included waters of the TA-16 springs in the area.

The majority of samples generated during the subsurface investigation were tuff samples, which were collected using either hollow-stem auger or air-rotary drilling methods. Intermediate-depth groundwater

samples were also collected during the investigation. All samples were field-screened using DTech immunoassay and colorimetric methods (see Appendix E). Screening data were used to bias the collection of analytical samples. Geophysical surveys were conducted to identify possible zones of increased subsurface moisture as well as fracture zones. These data were used to bias borehole locations. Either observation wells or PVC neutron moisture access ports were installed in the intermediate-depth boreholes.

In addition, a large set of temporally distributed water samples and flow data was collected from the seeps and springs during the course of the subsurface investigation. The samples were collected using auto-samplers and hand-sampling methods.

Six intermediate-depth boreholes at four locations were drilled during the 1997–1998 subsurface investigation at TA-16. Screening samples were collected every five feet for the entire drilled length of each borehole. A minimum of two analytical samples was collected from each borehole; samples were selected based on screening results, lithology, and/or specified default sampling depths. The total length drilled during the investigation was 847 ft. A total of 133 subsurface screening samples and 12 fixed-laboratory samples was collected, including 4 fixed-laboratory groundwater samples. The latter samples consisted of too little sample material for full suite analysis.

All laboratory soil/tuff interface samples were analyzed for HE, VOCs, SVOCs, and inorganics. Groundwater samples were analyzed for HE, SVOCs, and inorganics, provided sufficient sample was available. Aliquots for isotope and bromide analyses were also collected from borehole 16-2665. All boreholes were geologic-logged in the field. More detailed geologic logs were prepared at the SMF.

Water samples were collected from Martin Spring, SWSC Spring, and Burning Ground Spring on a quarterly basis. This quarterly sampling began during 1996. The unfiltered samples were analyzed for HE, VOCs, SVOCs, and inorganics. Filtered aliquots for HE, SVOCs, and inorganics analysis were added to the quarterly samples beginning in March 1997. Aliquots for isotopic analysis were also added to the springs samples at this time. Aliquots for nitrate and other water quality parameter analysis were collected periodically during the investigation. Daily water sampling of the three springs for anions began on April 1, 1997.

On April 15, 1997, a tracer study was initiated. Approximately 100 kg of greater-than-99% pure potassium bromide were dissolved in 100 gal. of potable water. This bromide solution was released into the 260-outfall pond area; the release was controlled to prevent the bromide solution from running off as surface flow down the drainage channel. On two subsequent occasions, 100 gal. of potable water were released to the outfall pond area. Again, releases were controlled to prevent surface flow discharge past the rock dam. Daily water samples were analyzed for bromide and other anions.

The drilling phase of the subsurface investigation began on September 15, 1997, and ended on January 17, 1998. Field activities were typically conducted Monday through Friday from 0800 hours until 1700 hours. ICF Kaiser personnel and Stewart Brothers Drilling Company personnel implemented all field operations.

The climatic conditions encountered during drilling were typical of summer, autumn, and winter seasons on the Pajarito Plateau. Temperatures ranged from near-0°F to over 90°F. Precipitation events included summer monsoon thunderstorms and winter blizzards. Wind velocity ranged from flat calm to powerful gusts of over 35 mph. Occasionally, sampling activities were curtailed during intense local lightning

storms. Severe winter temperatures and snow accumulation, which increased the site setup and tear-down work, associated with work-site access, reduced sampling efficiency.

Sample collection and handling conformed to the following plans and procedures:

- RFI Report for TA-16, PRS 16-021(c) of September 1996 (LANL 1996, 55077) except for deviations discussed in more detail below
- Site-Specific Health and Safety Plan
- OU 1082 Waste Management Plan
- OU 1082 Quality Assurance Plan
- Data Quality Objectives and Sampling and Analysis Plans for Additional and/or Modified Sampling at OU 1082
- LANL LP 116-1.0, Stop Work and Restart
- LANL ER-SOP-1.01, General Instructions for Field Investigations
- LANL ER-SOP-1.02, Sample Containers and Preservation
- LANL ER-SOP-1.03, Handling, Packaging, and Shipping Samples
- LANL ER-SOP-1.04, Sample Control and Field Documentation
- LANL ER-SOP-1.05, Field Quality Control Samples
- LANL ER-SOP-1-06, Management of RFI-Generated Waste
- LANL ER-SOP-1.07, Operational Guidelines for Taking Soil and Water Samples in Explosive Areas
- LANL ER-SOP-1.08, Field Decontamination of Drilling and Sampling Equipment
- LANL ER-SOP-4.01, Drilling Methods and Drill Site Management
- LANL ER-SOP-4.04, General Borehole Logging
- LANL ER-SOP-5.01, Monitor Well Construction
- LANL ER-SOP-5.02, Well Development
- LANL ER-SOP-5.03, Management of ER Program Wastes
- LANL ER-SOP-6.09, Spade and Scoop Method for Collection of Soil Samples
- LANL ER-SOP-6.10, Hand Auger and Thin-Wall Tube Sampler
- LANL ER-SOP-6.24, Sample Collection from Split-Spoon Samplers and Shelby Tube Samplers

- LANL ER-SOP 10.06, High Explosives Spot Test
- LANL ER-SOP-12.01, Field Logging, Handling, and Documentation of Borehole Samples
- LANL ER-SOP-12.02, Transportation, Receipt, and Admittance of Borehole Samples for the Sample Management Facility
- LANL ER-SOP-12.03, Acceptance of Non-borehole Samples by the Sample Management Facility
- LANL Administrative Requirement 8-2, Hearing Conservation
- LANL Administrative Requirement 12-1, Personal Protective Equipment
- LANL Administrative Requirement 15-1, Field Work
- LANL ER-QAPjP-06, Sampling Procedures
- LANL ER-QAPjP-07, Sample Custody
- LANL ER-QAPjP-08, Calibration Procedures and Frequency

4.3.1 Deviations

The Phase I RFI report and SAP did not address the subsurface sampling criteria for the mesa-top boreholes. The former Field Unit 3 technical team established sampling criteria for the subsurface investigation as an expansion of the PRS 16-021(c) Phase II RFI SAP. The additions and modifications to the SAP are documented in project memos (Hickmott 1996, 58848; Hickmott 1996, 58849) and these decisions were communicated to HRMB in a series of presentations and telephone conversations (Hickmott 1998, 58852; Hickmott 1997, 58853; Hickmott 1997, 58854; Hickmott 1997, 58855; Hickmott 1997, 58856; Michelotti 1997, 58858).

The technical team specified that all boreholes were to be continuously cored and sampled at 5-ft intervals. All samples were to be field screened for RDX and TNT using DTech immunoassay kits. In addition, early in the drilling campaign, the team decided to add the collection of aliquots for isotopic and chloride analyses to the samples collected at 10-ft intervals. Up to three samples contaminated with HE (based on field screening) were to be submitted for fixed-laboratory analysis. However, if more than three samples were contaminated with HE, the decision team was to determine the subset of samples that went off-site for analysis. If HE was not detected in any of the screening samples, lithology was to be used to bias the selection of laboratory samples. In the absence of lithologic indicators, the three samples for off-site analysis were to be collected (1) from the soil/tuff interface, (2) from a depth of five ft, and (3) from the bottom of the borehole. HE, VOC, SVOC, and inorganic analyses were specified for all fixed-laboratory tuff samples. If saturated intervals were encountered during drilling, groundwater samples were to be collected. Filtered and unfiltered groundwater samples were to be analyzed for HE, VOCs, SVOCs, and inorganics.

Mesa-top BH 16-2667 was drilled beyond the specified maximum depth of 200 ft to a total depth of 204.5 ft. The field team observed an increase in moisture at the bottom of the run which ended at 200 ft; the team decided to drill one more run to determine if the borehole had intersected the top of a saturated horizon.

Two additional boreholes were drilled adjacent to BH 16-2665 (the Martin Spring borehole) (see Figure 4.3-1). During the drilling of BH 16-2665, possible water-producing horizons were observed at depths of approximately 72 ft and 120 ft. A well was installed in BH 16-2665 to monitor the hydrogeologic characteristics of the formation at the deeper interval; the team drilled BH 16-2666 to monitor the shallower interval. A third borehole was drilled just west of BH 16-2666, but it was abandoned after drilling equipment broke in the hole short of the target interval. The borehole was sealed to the ground surface with bentonite. No information was gleaned from this borehole.

Borehole 16-2668 was drilled to a total depth of 189 ft; no horizons of significant increased moisture were observed during drilling. Therefore, the specified target depth for dry boreholes, 200 ft, was not reached. The field team decided to stop the drilling because of substantial drilling difficulties and the proximity to the target depth.

Downhole video logging of the deep boreholes was not performed. The majority of the boreholes intersected incompetent layers that would not stay open once the drill string was removed from the borehole. This did not allow safe access for the video camera. Also, due to contractual issues, geotechnical parameter analyses of the deep borehole samples are still pending.

The springs water samples were analyzed for SVOCs during the first five quarters of the investigation. Beginning in summer 1998, the springs samples will be analyzed for SVOCs on an annual basis, as specified in the Phase II RFI SAP.

Geologic mapping and fracture logging have not been completed as outlined in the SAP from the Phase I RFI report (LANL 1996, 55077, p. 62). Rogers' bedrock map of LANL (Rogers 1995, 54419) was spot-checked in the field at TA-16 by Dr. Ken Wohletz of LANL's EES-1, and it was deemed adequate for the TA-16-260 investigation. Dr. Wohletz also performed a preliminary survey of fractures in the Cañon de Valle region and determined that the exposure was unsuitable for completing a detailed fracture map.

4.3.2 Borehole Locations

Borehole locations are shown on Figure 4.3-1. A borehole summary is provided in Table 4.3-1.

Choosing the borehole sites was based, in part, on information provided by geophysical (primarily electrical) surveys, which were undertaken for the purpose of locating possible groundwater transport pathways. Section 4.4.1.2 and Appendix H provide detailed results of the various geophysical surveys. Several electrical techniques (resistivity profiling, self-potential, dipole-dipole surveys, and vertical electric soundings) were used to identify regions of low electrical resistivity, which might then indicate pathways for groundwater transport.

BH 16-2665 is located in a region of low electrical resistivity, based on self-potential, resistivity profiling, and vertical electric soundings, approximately 300 ft northwest of Building TA-16-344, near the default location specified in the Phase II RFI SAP (LANL 1996, 55077, p. 66). BH16-2666 is located approximately 3 feet southwest of BH 16-2665.

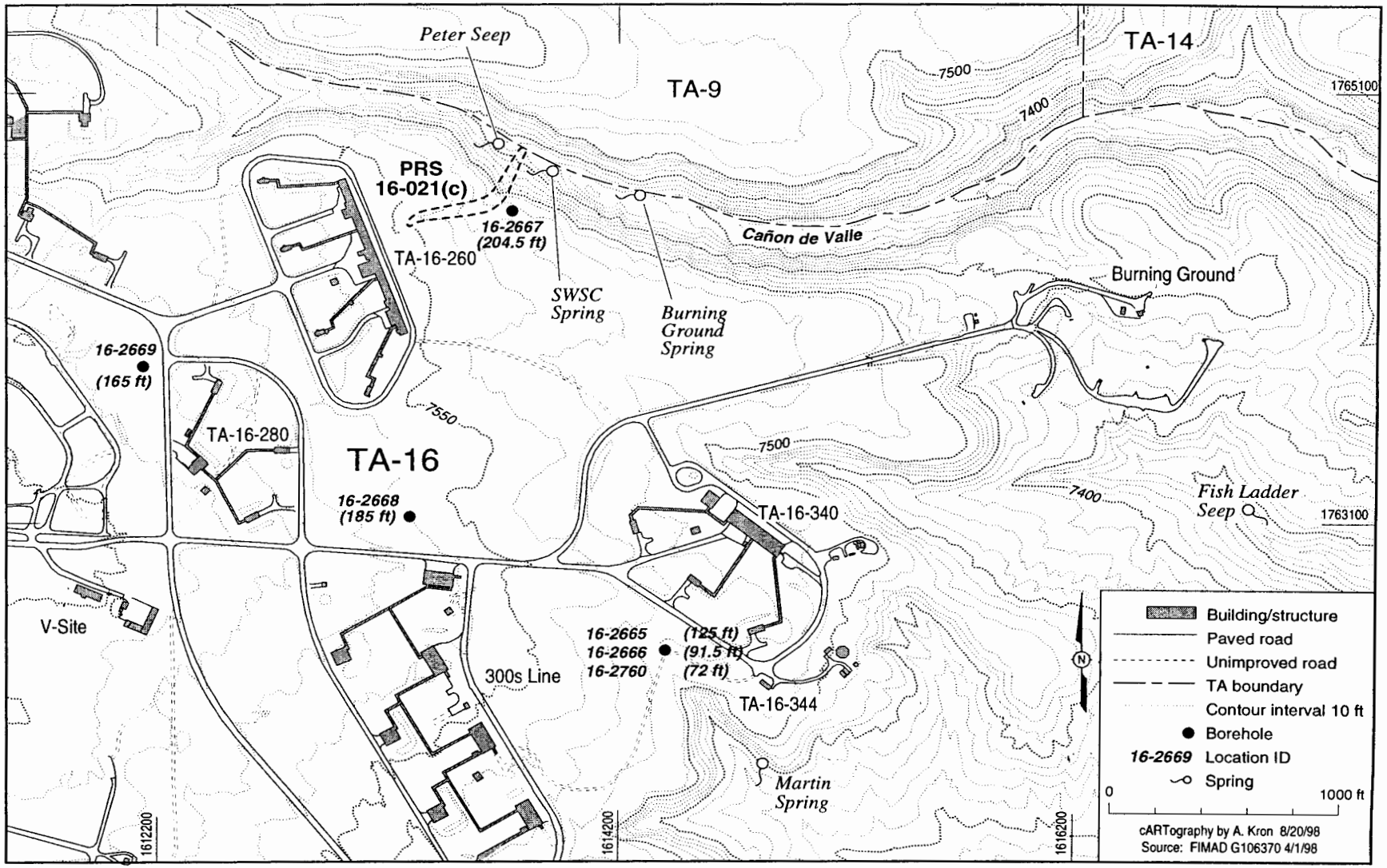


Figure 4.3-1. Location map for intermediate-depth boreholes and springs

Table 4.3-1
Intermediate-Depth Borehole Summary

Borehole Site Location ID	Location	Borehole Depth and Status
16-2665	Northwest of TA-16-344	Total borehole depth: 125.0 ft; completed with a 2-in. monitoring well screened from 93.3 ft to 63.3 ft; bottom of well at 124.0 ft.
16-2666	Northwest of TA-16-344, 3 ft southwest of 16-2665	Total borehole depth: 91.5 ft; completed with a 2-in. monitoring well screened from 90.0 ft to 60.0 ft; bottom of well at 90.3 ft.
16-2667	Within SWSC cut, at edge of Cañon de Valle	Total borehole depth: 204.5 ft; completed with open ended 2-in. PVC casing; bottom of casing at 204.2 ft.
16-2668	300 ft north of TA-16-300	Total borehole depth: 189.0 ft; completed with open ended 2-in. PVC casing; bottom of casing at 185.0 ft.
16-2669	East of the 90s Line Pond	Total borehole depth: 165.0 ft; completed with a 2–in. monitoring well screened from 163.0 ft to 131.5 ft; bottom of well at 163.4 ft.
16-2760	Northwest of TA-16-344	Total borehole depth: 72.0 ft; borehole was sealed to ground level and abandoned.

BH 16-2667 is located in the SWSC cut, near the rim of Cañon de Valle. This is the default location specified in the Phase II RFI SAP. It is located just outside of a resistivity anomaly.

BH 16-2668 is located away from low-resistivity zones, as identified by resistivity profiling or dipole-dipole surveys, but within a broad self-potential anomaly approximately 300 ft north of Building TA-16-300. This location lies roughly between Martin Spring and the TA-16-260 pond area and is several hundred feet from the default location. Relocating this borehole was discussed with HRMB representatives during a phone call on December 1, 1997 (Hickmott 1997, 58853).

Borehole 16-2669 is located east of the 90's Line Pond, on a line between the pond and Burning Ground Spring and near the default location specified in the Phase II RFI SAP. Geophysical anomalies were not identified in this area. The borehole was sited at this location to investigate the possibility that the 90's Line Pond was contributing to springs contamination.

BH 16-2760 was drilled west of BH 16-2665 and BH 16-2666 to investigate the possibility that water found in BH 16-2665 was derived from a clay-rich zone observed at a depth of 72 ft. Because drilling equipment became stuck, this borehole did not reach the target depth, and it was abandoned.

4.3.3 Screening

Field screening for HE was performed on the deepest 1-ft segment of each 5-ft core interval greater than 24 in. Additional screening samples were collected from fractured or moist zones. HE field screening consisted of the HE spot test, which was performed at the drill site immediately following sample collection, and RDX- and TNT-sensitive immunoassay/colorimetric screening which was performed at the command post located near former Building TA-16-027. DTech kits were used to perform the HE screening. The DTech kits were evaluated for QA/QC daily, using RDX- and TNT-spiked Performance Evaluation samples. The minimum detection limits of the DTech Explosive Test Kits for RDX and TNT are 0.5 ppm in soil and 5.0 ppb in water (see Appendix E).

Isotopic and chloride analysis aliquots were collected at 10-ft intervals from the four primary deep boreholes (16-2665, 16-2667, 16-2668, and 16-2669). Samples from 16-2667, 16-2668, and 16-2669 were preserved in sealed ProTecore bags; for BH 16-2665, the sealed jars collected for possible VOC analysis were used for the isotope and chloride profiles. The analyses are being performed at New Mexico Institute of Mining and Technology and are still pending.

4.3.4 Operations

All intermediate-depth boreholes were advanced to refusal with 4.25-inch hollow-stem augers equipped with stainless-steel split spoon samplers. A proprietary carbide-button cutter-head drill bit developed by Stewart Brothers was used to increase the performance of the auger system in highly consolidated material. Following auger refusal, the drilling method was switched to a 94 mm air-rotary continuous coring system equipped with a wireline sampler. A drive sampler was used to capture intact sample in situations where the normal coring method could not recover adequate samples. In addition, a PW casing advancer was used to advance the drill string through zones of lost circulation. Continuous coring cannot be performed with the casing advancer. Therefore, a drive sampler was used again to recover core once the target interval was reached with the casing advancer. Drill cuttings were collected in 1-yd^3 plastic bags.

Core was logged in accordance with LANL ER-SOP 04.0, General Borehole Logging and LANL ER-SOP-12.0, Field Logging, Handling, and Documentation of Borehole Samples. The core was measured to the nearest 0.1 foot and photographed. The core description included the degree of weathering and welding, percentages of lithics, phenocrysts, and pumice, obvious mineralization or alteration features, degree of fracturing, moisture content, and formation color. In addition, the core log included the run number, depth, HE spot test results, and sample and core run photograph numbers. The core was placed in plastic tubing labeled with borehole site ID and core depth and placed in labeled core boxes. All segments of missing core were marked with a placeholder noting the missing depth and the reason material was missing. The plastic tubing was then sealed and the core boxes were placed in a storage trailer. Following the drilling activities, the core was released from the HE Corridor by ESA-FM and transported to the SMO for the more detailed lithologic logging effort. Following examination of the core at the sample management organization (SMO), the core was returned to the storage trailer at TA-16 where it remains.

During drilling operations, groundwater was observed in mesa-top boreholes 16-2665 and 16-2669. Two possible water producing horizons were observed in borehole 16-2665 during drilling. After the borehole was drilled to total depth (125 feet) approximately 11.8 feet of water infiltrated the borehole. The water level was observed over the next several days; as much as 13 feet of water entered the borehole before the water level began to decline. A monitoring well was installed in the borehole 3 weeks later. At this time approximately 3 feet of water were in the borehole. Weekly water level measurements were instituted following well completion; the borehole has remained dry ever since monitoring well installation.

A water-producing horizon was observed in borehole 16-2669 during drilling at a depth of 144 feet. One foot of water infiltrated the borehole. The water was sampled and the borehole was drilled to a total depth of 165 feet. A monitoring well was installed immediately following drilling. Weekly water level measurements were instituted following well completion; the borehole has remained dry ever since well installation.

The boreholes described above were completed as screened monitoring wells. BH 16-2667 and BH 16-2668 were completed with open-ended PVC neutron monitoring ports. BH 16-2667 and BH16-2668

were completed with blank PVC casing because no water was observed during drilling operations. The four deep mesa-top boreholes were logged during May 1998 with a neutron moisture probe; data analysis and interpretation are pending receipt of volumetric water data for probe calibration. These data will be provided in forthcoming CMS/CMI reporting for PRS 16-021(c).

4.4 Results

4.4.1 Geology

The bedrock exposed at TA-16 consists of the upper units of the Bandelier Tuff, fallout and ash flow deposits of silicic volcanic rock erupted 1.2 million years ago. Based on borehole SHB-3, located approximately 5000 ft southwest of the TA-16-260 outfall, the Bandelier Tuff in the vicinity of TA-16 probably exceeds 800 ft (244 m) in thickness (Gardner et al. 1993, 12582). At the TA-16-260 outfall, the upper approximately 112 ft [34 m] of Bandelier Tuff is exposed at the surface, and the upper 204 ft [57 m] is sampled from boreholes. Bandelier Tuff crops out along the walls of the canyons, where it typically forms prominent ledges. The tuff is overlain by from 0 to 10 ft [3.1 m] of soil, alluvium, and colluvium on mesa tops and slopes. Thin deposits of alluvium, consisting of pumice and ash derived from the Bandelier Tuff and clasts and cobbles of volcanic rock derived from the Jemez Mountains to the west, are present in the drainages of Cañon de Valle and Water Canyon.

Several springs of concern in this study issue from the Bandelier Tuff in the vicinity of the TA-16-260 outfall. Peter Seep, SWSC, and Burning Ground Springs are in Cañon de Valle, 500 to 1000 ft (150 to 300 m) northeast of the outfall, at elevations between about 7421 and 7438 ft. Based on lithologic logs of boreholes in the vicinity of the TA-16-260 outfall (Appendix G), it is likely that the springs are issuing from perched zones controlled by welded units near the base of Unit 4 and within or near the top of Unit 3 (Units Qbt_{4t} and/or Qbt_{3t}). Martin Spring, located approximately 3000 ft (914 m) southeast of the outfall, is at an elevation of about 7440 ft. While the detailed stratigraphy of the Bandelier tuff cannot be extrapolated at these distances from the TA-16-260 outfall boreholes with certainty, it is likely that this spring, too, is controlled by welded units near the upper part of Unit 3.

4.4.1.1 Data Presentation

4.4.1.1.1 Stratigraphy

The Bandelier Tuff sampled at the TA-16-260 outfall comprises Units 3, 4, and 5 of the Tshirege Member (Smith and Bailey 1966, 21584). Units 3 and 4, recognized by original geological mapping of Smith and Bailey (1966, 21584), are widely exposed over the Pajarito Plateau and are relatively well described (e.g., Broxton and Reneau 1995, 49726; Broxton et al. 1996, 54948). In contrast, Unit 5 has limited extent along the eastern scarp of the Jemez Mountains and was not formally recognized until the detailed mapping of Rogers (1995, 54419). The stratigraphy and lithology, described here for the Bandelier Tuff at TA-16, are based on the six intermediate-depth boreholes (described in Section 4.3; Figure 4.3-1) on the 13 shallow boreholes that were drilled in the 260 outfall area to investigate contamination (Section 2.3.2; Figure 4.4-1), and on bedrock exposures in the 260 outfall area (e.g., Rogers 1995, 54419). Most of the boreholes were relatively shallow (less than 100 ft, or 30 m), and did not penetrate through Unit 4. However, four boreholes, ranging in depth from 100 to 207 ft (30 to 63 m), penetrated the top of Unit 3, providing excellent control on the Unit 3/Unit 4 contact. A description of the logging methods and detailed core logs are presented in Appendix G. Cores from these boreholes provide major new data that are important in characterizing Units 4 and 5 of the Tshirege and in understanding the dispersal of contaminants from the TA-16-260 outfall.

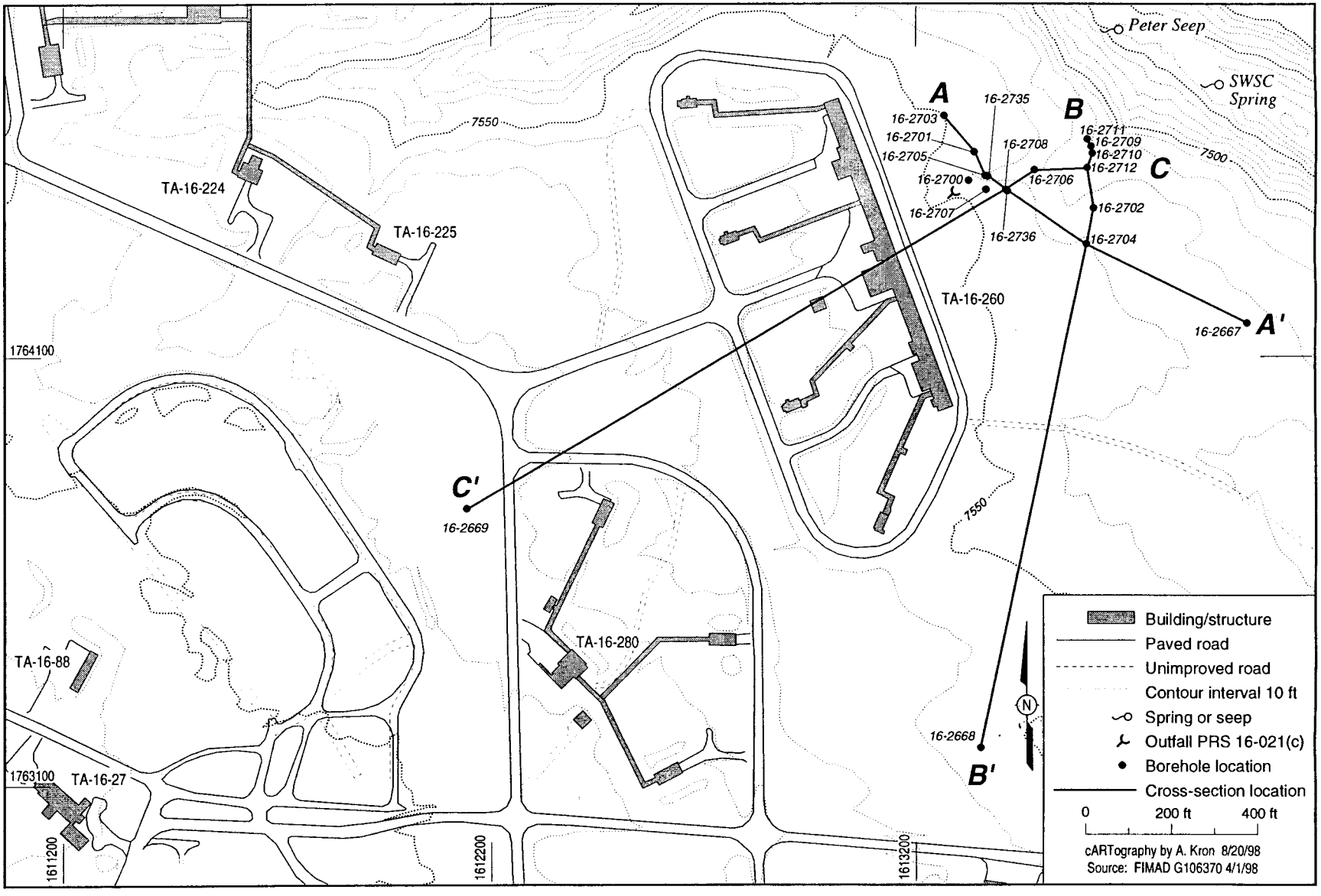


Figure 4.4-1. Geologic cross-section locations

The lithological characteristics of Units 4 and 5 in the study area are unlike much of the Bandelier Tuff at the Laboratory, exposed farther to the east. These different characteristics include (1) the occurrence of numerous and thicker ground-surge units, (2) lithologic variations that rapidly change with location, and (3) increased welding. Much of this lithological variation can be attributed to the fact that the TA-16 area is closer to source vents of the tuff and that pre-emplacement topography had a greater effect on deposition of the units than at other locations on the Pajarito Plateau. As discussed below, geological logs show evidence supporting these controls on lithologic variation.

4.4.1.1.2 Boreholes

Graphical logs of the borehole cores are presented in Appendix G. The vertical signatures of welding and abundance of ferro-magnesian minerals are the most useful features in determining contacts among major stratigraphic units. Most boreholes penetrated several feet of soil, designated as Quaternary alluvium (Qal), from 10 to 20 ft (3.0 to 6.1 m) of Quaternary Bandelier Tuff Unit 5 (Qbt_5), and 50 to 65 ft (15.2 to 19.8 m) of Quaternary Bandelier Tuff Unit 4 (Qbt_4). Deeper boreholes (16-2708/2736, 16-2665, 16-2667, 16-2668, 16-2669) also penetrated approximately 10 ft (3.0 m) and 20 to 30 ft (6.1 to 9.1 m) of transition Units Qbt_{4t} and Qbt_{3t}, respectively, before encountering up to 80 ft (24.4 m) of Quaternary Bandelier Tuff Unit 3 (Qbt_3).

Although the cores generally showed a gradual transition from surface soil and soil-like materials with depth, the contact between soil and tuff was chosen at a level where organic material was no longer evident and the core became dominantly composed of tuff or tuff fragments.

Unit Qbt_5 generally shows a strongly welded zone near its middle and base, in places having a vitrophyric texture typical of *caprock* in welded tuff. Fractures are most likely to occur where welding is greatest in this unit; however, no fractures were recognized in the core. The contact between Qbt_5 and Qbt_4 is best marked by a sharp rise in abundance of ferro-magnesian minerals and in some cores a concurrent rise in quartz abundance just above the contact, falling off to lower values below. Where identifiable in the field, this contact typically shows surge beds of varying total thickness. The surge is presumed to be a ground surge and thus part of Qbt_5. Where present in the core, the surge horizon was marked by core with horizontal partings and/or sandy matrix and/or increased crystal contents, and the thickness ranged from approximately 1 in. to over 1 ft. Because surges are best determined by bedding textures, it is often difficult to recognize them in core samples that have been pulverized during drilling. This identification is most problematic in Qbt_4.

Perhaps the most distinguishing feature of Qbt_4 is the presence of a zone midway down in the unit of core represented by up to 20 ft of powder-like material. In some cores, extensive loss occurred in this zone. In most cores, this zone is capped by up to 25 ft (7.6 m) of partially to moderately welded tuff, and underlain by a densely welded tuff that extends down into Unit Qbt_{4t}. The powdered material is generally fine grained, light to brownish- or yellowish-gray, and shows x-ray diffraction patterns suggesting a high abundance of cristobalite. It displays common intervals of brownish-gray horizons, indicating altered zones. Where intact fragments could be extracted from the powder, they generally appeared to be crystal-rich, sandy, and showing faint bedding and sorting. Such observations of texture are sparse, but the continuity of this powder unit from borehole to borehole indicates that this is likely a contiguous subunit of Qbt_4, a unit informally designated the *powder* unit. The tuff directly below the powder unit shows an increase in welding compaction to that of densely welded tuff over an interval of several ft. It is in this rapid transition to welded tuff that fractures are most likely to be found. The base of Qbt_4 is marked by a

rise in abundance of ferro-magnesian minerals, and in a few cores by a surge interval, but there is no break in welding textures.

Transition Units Qbt_{4t} and Qbt_{3t} are mostly welded. The base of Qbt_{4t} is marked by an increase in the abundance of ferro-magnesian minerals, and Qbt_{3t} has up to 5% by volume more quartz than the unit above. In places a surge horizon separates the two units.

Unit Qbt_3 is identified by abundant quartz, reaching up to 15% by volume. In places there is a welding break at its top, shown by non- to partial welding, but in others, the moderate welding of Qbt_{3t} extends downward into Qbt_3. With depth, Qbt_3 is generally moderately welded.

4.4.1.2 Geophysical Results

Several electrical and seismic methods were employed at TA-16 to attempt to delineate pathways of contaminant transport and other subsurface conditions. It should be borne in mind that geophysical techniques often produce results that are, by themselves, ambiguous and/or model-dependent unless they are controlled by direct observation. Despite the ambiguity of geophysical results, they can identify anomalies that can be further investigated by other techniques such as by drilling or excavation. The boreholes at TA-16 were sited, in part, based on the results of these surveys (Section 4.3).

Electrical Surveys

Electrical techniques generally measure the *in situ* electrical resistivity (inverse of conductivity) of soil, alluvium, and rock units. Among other factors, resistivity is strongly controlled by moisture. Electrical methods were employed at TA-16 to investigate possible saturated zones in the bedrock and subsurface hydrologic pathways, such as fractures in the bedrock, that might connect the 260 outfall with seeps and springs.

Resistivity profiling surveys were employed as a method to outline regions of low electrical resistivity, which could potentially represent regions of enhanced subsurface moisture and/or hydrologic pathways. The method uses two *current* electrodes placed in the ground at a separation distance (240 feet [73 m] in the TA-16 surveys) suitable to the depth interval of interest. An electrical current is passed between the electrodes. The electrical potential resulting from the applied current is measured at two other electrodes (called *potential* electrodes) which are placed in the ground between the current electrodes. Separation of the current electrodes was 6 feet (2 m) in these surveys. The apparent resistivity of the earth can then be determined from the measured values of current and voltage. The geometry employed at TA-16 yielded data to a depth of 60-75 feet (18-23 m) with good lateral resolution. An array with fixed electrode spacing can be moved along a survey lines, resulting in a resistivity profile. At TA-16, nine profiles ranging from 100 to 600 feet (30-183 m) in length were obtained in the TA-16-260 outfall and Building 16-344 areas.

Four linear, northwest-trending zones of lower resistivity were located in the TA-16-260 outfall area and three were delineated in the Building 344 area (Figure 4.4-2). In both areas, these zones trend approximately perpendicular to the drainage from the TA-16-260 outfall.

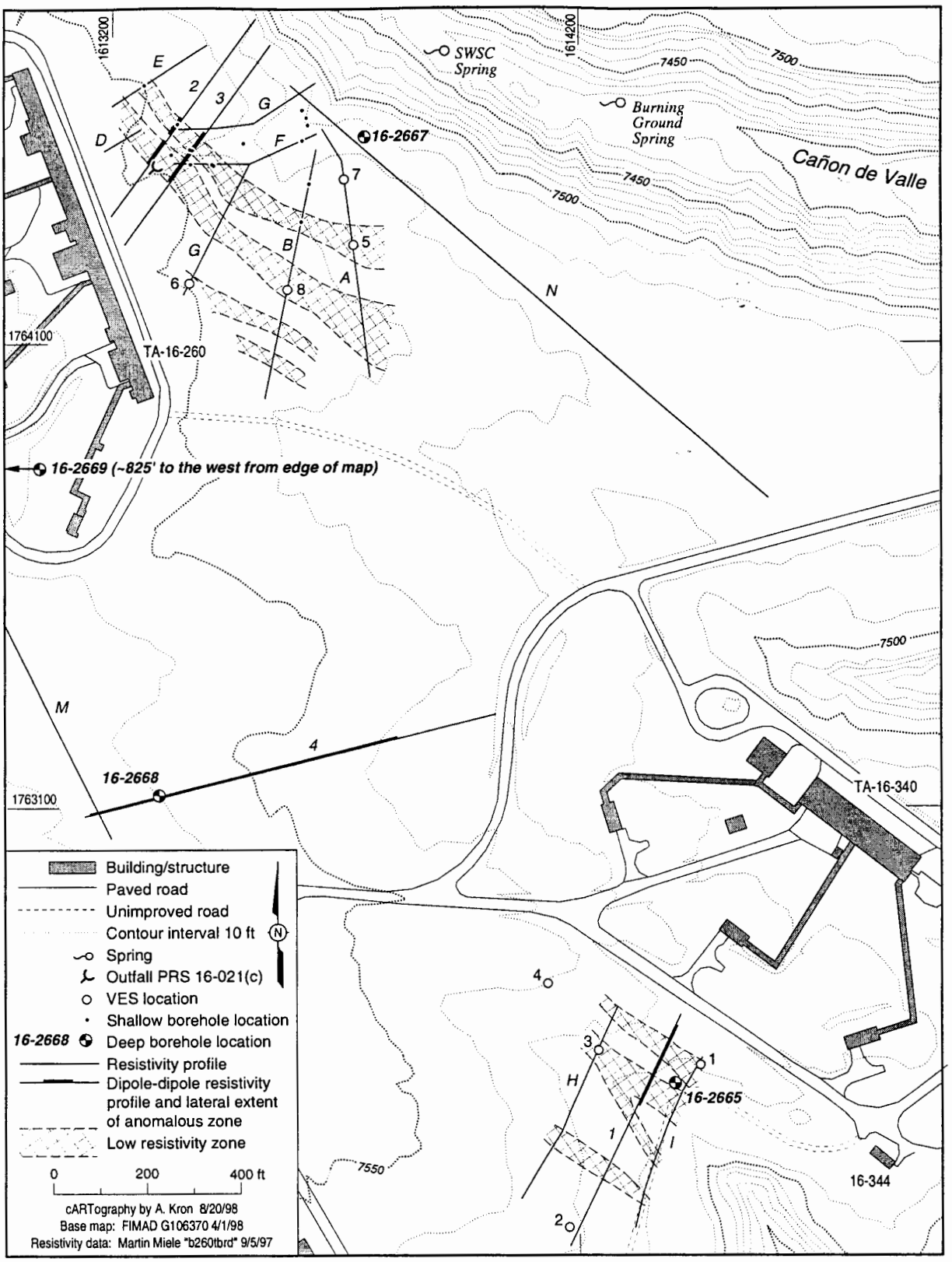


Figure 4.4-2. Geophysical study traverses and geophysical anomalies used for locating intermediate-depth boreholes at TA-16

Because resistivity profiling cannot determine the depth to, or thickness of, the anomalous region, Schlumberger resistivity soundings were used to delineate the vertical electrical resistivity structure. The method of resistivity soundings is similar to that of resistivity profiling, described above, in employing two current electrodes and two potential electrodes, but uses a different geometry. Two potential electrodes are placed a fixed distance from a central point, and held constant. Current electrodes are placed equidistant from the central point and outside of the potential electrodes along the same line. The distance of the current electrodes from the central point is increased successively as each measurement is taken. Increasing the separation distance between the current electrodes increases the depth of penetration.

In the TA-16-260 outfall area, four soundings were made, three of which were located over resistivity anomalies that were resolved in the resistivity profiling survey. One sounding was made in a non-anomalous area to assess background conditions. The depth of the low-resistivity zones was determined to be 36.5-47 feet, which coincides approximately with the welded portion near the top of unit 4 (Qtb4) or with the underlying powder unit, of the Bandelier Tuff. The soundings could not determine the depth to the base of this low-resistivity unit. The low resistivity of this unit (765-780 ohm-feet) suggests that this unit of the tuff is water-rich and possibly saturated, although water-saturated conditions were not observed in drilling. Four soundings were made near Building 16-344. Three of these were located over resistivity anomalies; the fourth was made to assess background conditions. Results of the Schlumberger soundings near Building 16-344 are more clear-cut, but generally show a depth to a low-resistivity layer in the anomalous zones of 28–55 feet. The low resistivity may be due to the presence of moisture or to saturated conditions.

Dipole-dipole resistivity surveys were also undertaken in the area of the TA-16-260 outfall and Building 16-344 to determine electrical resistivity with depth. Dipole-dipole resistivity surveys are generally similar to the Schlumberger profiling and sounding methods, described above, in using pairs of current and potential electrodes, but employ a different geometry and sequence of electrode spacings. The current electrodes are spaced a fixed distance apart at one end of a profile. A pair of potential electrodes, spaced the same distance apart as the current electrodes, is successively moved along the profile at increments equal to the electrode-separation distance as each measurement is taken. Because of the density and distribution of measurements and of the measuring process, dipole-dipole resistivity surveys generally provide very good two-dimensional resolution of electrical resistivity structure. Surveys at TA-16 employed 56 electrodes spaced at distances of 9.8-16.4 ft (3-5 m). Total line length was 541-902 feet (165-275 m).

Two profiles were laid out near the TA-16-260 outfall, one near Building 16-344, and a fourth in the region between the two areas for background measurement. The three surveys near the TA-16-260 outfall and Building 16-344 were oriented approximately north-south perpendicular to the hypothesized direction of groundwater transport. Each array was 540 feet long. In the area of the TA-16-260 outfall, several low-resistivity anomalies were observed to depths between 30 (10 m) and 100 feet (30 m), corresponding to the welded tuff unit near the base of Qbt_4 and to the underlying Qbt_{4t} unit. We speculate that these anomalies may indicate fracture transport of water along fractures in the welded units above and below the powder unit. In the vicinity of Building 16-344, the dipole-dipole survey indicated a low resistivity zone to depths of 50-60 feet (15-18 m) in the area in which gradient array and Schlumberger surveys detected low-resistivity anomalies to 28 feet. These dipole-dipole resistivity surveys provide results that are consistent with anomalies detected in the Schlumberger resistivity soundings.

Self-potential (SP) surveys also were undertaken at TA-16 because they can provide information concerning groundwater movement and differences in composition of subsurface materials, that resistivity surveys do not furnish. The SP method is a passive technique that involves the measurement of naturally occurring electric fields within the earth such as can be produced by subsurface flow of fluids and ions. Surveys are performed by measuring the potential difference between a stationary *base* electrode and a *measuring* electrode. The measuring electrode is moved to various locations along a traverse or in a grid pattern. At TA-16, self-potential data were obtained at 10-foot intervals along all resistivity profiles.

While values of the self-potential (SP) range greatly over the area that was investigated, the self-potential method did not provide data to resolve the question of hydrologic pathways. The broad extent and great range in values of the SP potential are unique and make a definitive cause difficult to identify. The SP values may be caused by a larger geologic feature than the smaller targets of interest to this investigation. For example, the anomalous zone (negative SP values) maybe represent a preferred area where numerous small conduits or fractures occur in the subsurface, allowing water to be transmitted. Generally, the resistivity anomalies and anomalous SP values occur in the same area, which suggest that the two anomalies may be related to each other. The fact that the anomalous zone extends from the TA-16-260 outfall drainage to the cliff face near Martin Spring suggests that the low SP values may be caused by the presence of water transported within this zone. Alternatively, the anomalous zone may represent a change in the physical nature or composition of the tuff.

Seismic Refraction Surveys

The purpose of the seismic refraction surveys was to assess the effectiveness of the seismic refraction method for detecting preferred fracture zones, subunit boundaries, and other conditions that could affect groundwater transport. The seismic refraction method employs a source of seismic energy (at TA-16, a 16-pound [7.3 kg]hammer and a steel plate were used) to generate waves which are propagated through the subsurface. Because of the geometry of the surveys, the observed seismic waves follow refraction pathways from the source to the detectors (geophones).

East of Building 16-260, seismic refraction data were collected along two profiles, each consisting of three end-to-end geophone spreads. The profiles trended north-northwest (profile A) and north-northeast (profile B). Near Building 16-344, a 400-foot (122 m) long, north-northeast-trending profile consisting of two end-to-end geophone spreads (profile H) was used. The seismic source consisted of a 12 pound (5.5 kg) sledge hammer and metal plate. Geophone spacing was five feet near the ends of the spreads and 10 feet near the middle. The depth of penetration was estimated to be approximately 50-65 feet.

At both sites, the refraction surveys resolved three units, based on P-wave velocities. An uppermost unit (V1), characterized by relatively low seismic velocities of 1230-1450 ft/s and ranging from <1 to 12 feet, is consistent with unconsolidated sediments, soil, and highly weathered tuff, as observed on the surface. At second unit (V2), with velocities of 3065 to 3700 ft/s, ranges from zero to 23 feet in thickness near the 260 outfall and from zero to 14 feet in thickness in the Building 16-344 area, is interpreted to be slightly to moderately welded tuff. This unit approximately coincides with unit Qbt_5, describe from bore logs (see Appendix G). Below this unit is a higher velocity unit (V3), characterized by P-wave velocities of 4850-5585 ft/s. These velocities are consistent with unweathered to slightly weathered tuff. The depths generally coincide with unit Qbt_4, determined from bore logs. Probably the velocity is mainly determined by the moderately welded unit near the top of Qbt_4, because the underlying powder unit, with a lower seismic velocity, would not be resolved by this survey. The contact between units V2 and V3 is highly

irregular. The base of unit V3 is undefined. In general the seismic data were inconclusive for the purpose of investigations at TA-16.

4.4.1.3 Data Interpretation

The results of the boreholes provide a method for constructing a three-dimensional subsurface model of the stratigraphy for the TA-16-260 outfall. Cross sections along three transects, A-A', B-B', C-C' (Figures 4.4-3, 4.4-4, and 4.4-5, respectively), have been prepared based on the borehole logs. Correlation of stratigraphic units and lithological features along cross-sectional transects constitute a framework for the model. These cross-sections intersect, thus providing the framework for extrapolation. Stratigraphic units show remarkable consistency among all the boreholes. This consistency is displayed by the depth at which welding textures occur, the depth of unit boundaries, and the depth of surge horizons where observed.

Unit Qbt_5 shows a strongly welded interior for most boreholes except for those closest to Cañon de Valle. Qbt_4 consistently shows the powder unit and a strongly welded base in all sections, and transition Units Qbt_{4t} and Qbt_{3t} both show consistent, moderate to dense welding. This lateral consistency of welding textures and unit boundaries is fairly typical for the Bandelier Tuff when it lies on a nearly horizontal substrate. However, deviations from this consistency are well displayed for the cross sections where they approach Cañon de Valle and the drainage from the TA-16 260 outfall that runs northeast into Cañon de Valle. For the former locations, all units apparently dip downward into Cañon de Valle, suggesting that this canyon existed as a topographically low area prior to emplacement of these Tshirege Member units. However, the latter locations, those near the TA-16 260 outfall drainage, show a notable thickening of Qbt_5 with a decrease in its welding, and a corresponding thinning of Qbt_4 below. In places, the welded zone above the powder unit is completely missing, suggesting that the outfall drainage existed and caused considerable erosion of Qbt_4 prior to emplacement of Qbt_5. This feature indicates that the tuff stratigraphy is somewhat anomalous in the area of the outfall drainage compared with other locations around TA-16. To what extent this stratigraphic anomaly affects infiltration and contaminant migration can be assessed from where contaminants were found in screening and laboratory samples.

The correlation of stratigraphic units of the Bandelier Tuff with contaminants detected within boreholes shows that welded zones are preferred locations for concentration of contaminants (Figure 2.4-24). As contaminants migrated downward and downgradient away from the source, they concentrated within and later just below the welded zone in Qbt_5, perhaps affected by the surge horizon existing just below that zone. With deeper migration through Qbt_4, contaminants preferentially accumulated in the upper welded and basal welded zones in that unit, with concentration noted in only a few boreholes near the base of the powder unit. It is not known why contaminants were generally found within these welded zones, but one likely explanation is the fact that these zones can support open fractures. The presence of contamination at the base of the powder unit in several of the boreholes suggests that localized ponding may occur above the basal welded part of unit Qbt4. Secondary mineralization and the geophysical results also support this hypothesis. Considering the apparent preference for contaminants to be concentrated in welded zones, deep pathways are likely to be influenced by the potential existence of a perched saturated zone within an interval occupied by transition Units Qbt_{4t} and Qbt_{3t}. Known springs emanate from with these units, bearing out the importance of welded tuff (and its likely fracturing) in determining fluid pathways. Surge horizons are also located at unit boundaries in this interval. Observations made while coring through this interval indicated that at least one surge horizon was wet and possibly producing fluid.

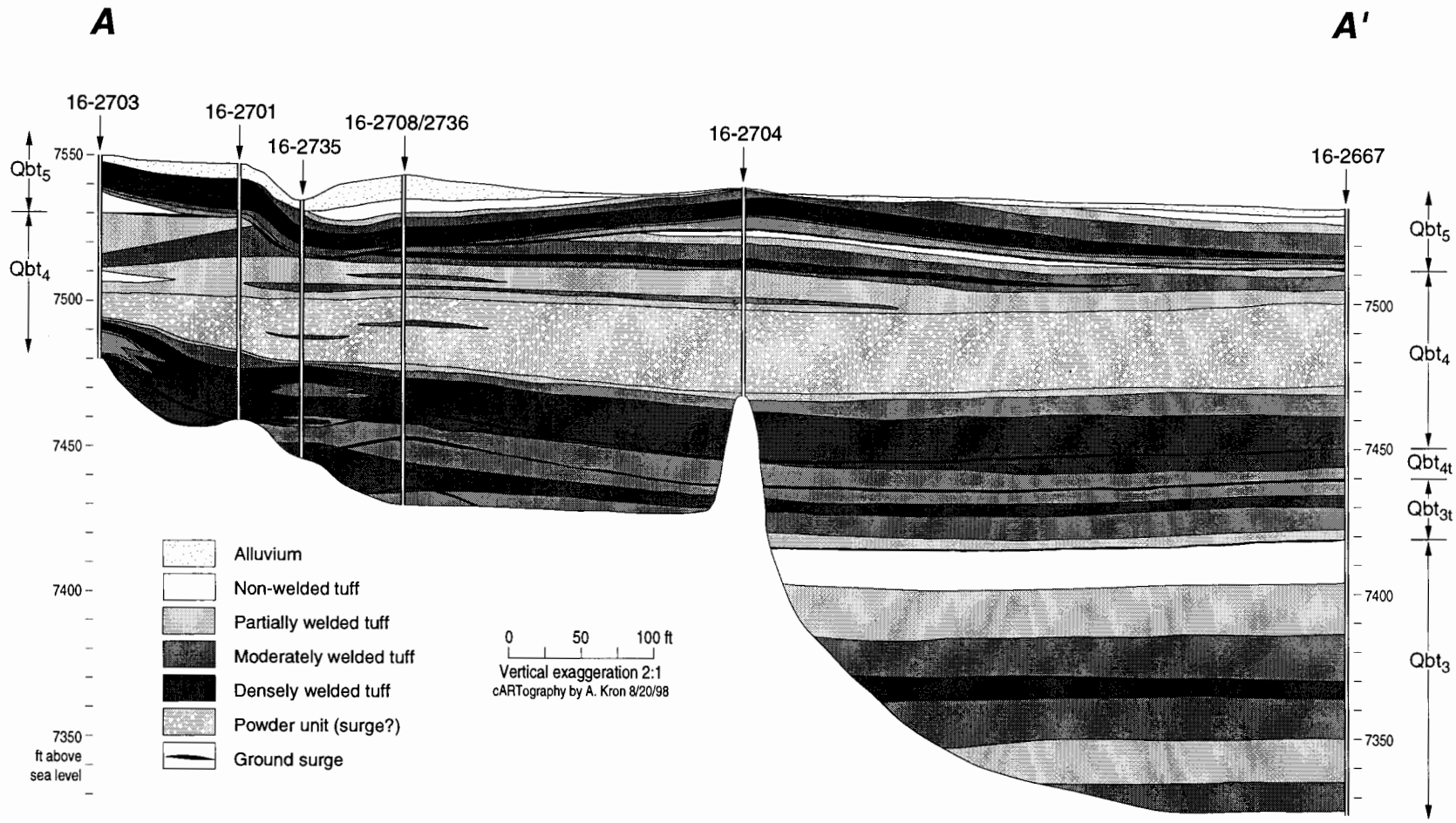


Figure 4.4-3. Geological cross-section along transect A-A'; location is shown on Figure 4.3-1; see text for descriptions of units

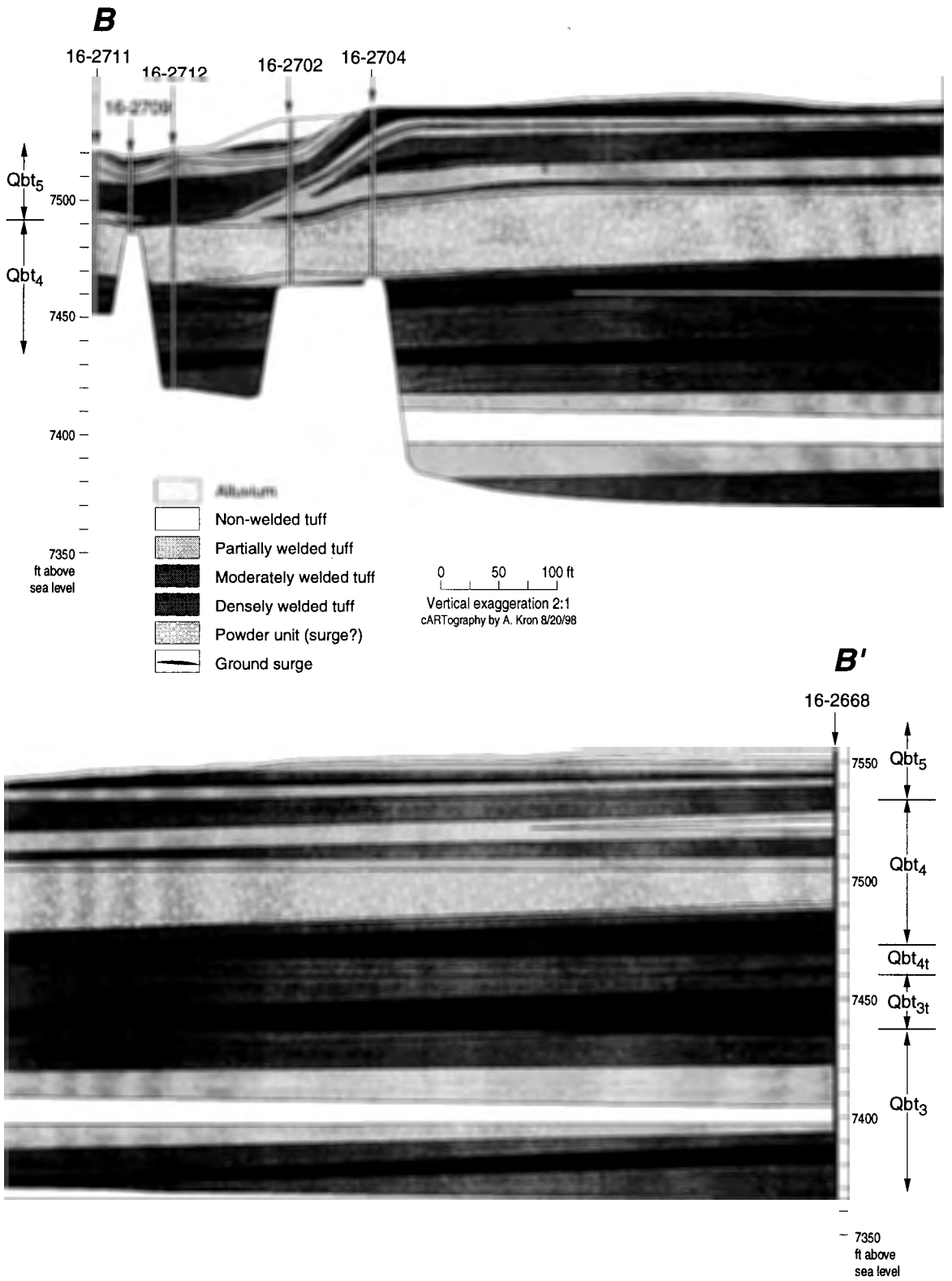


Figure 4.4-4. Geological cross-section along transect B-B'; location is shown on Figure 4.3-1; see text for descriptions of units

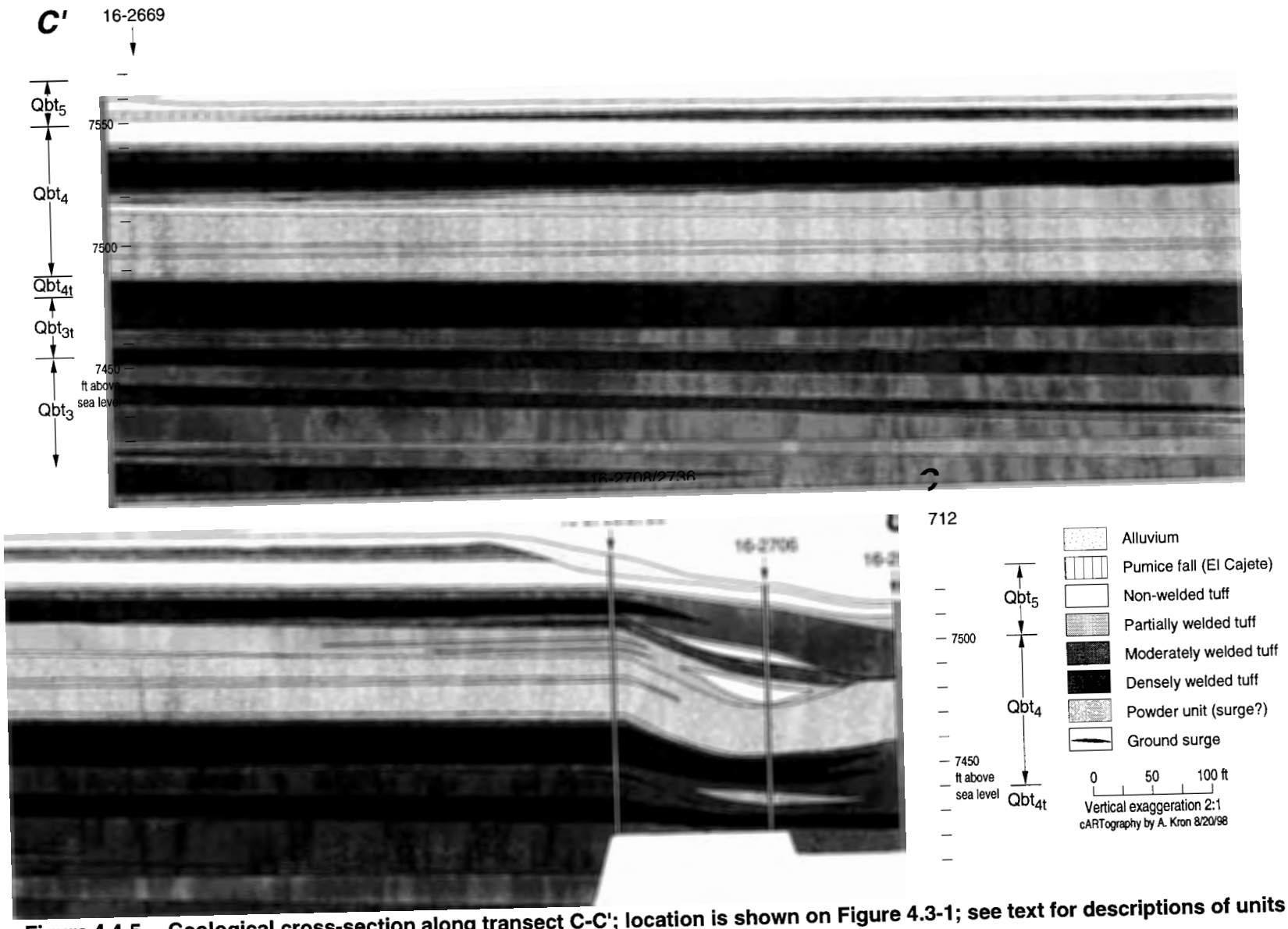


Figure 4.4-5. Geological cross-section along transect C-C'; location is shown on Figure 4.3-1; see text for descriptions of units

The origin and significance of the powder unit is unknown. Two possibilities have been considered:

1. The powder unit is an artifact of drilling that caused the tuff to break up into fine-grained material. It may represent a nonwelded, poorly lithified tuff.

2. The powder unit represents surge deposits.

The latter interpretation is more likely because (1) the unit appears to be a discrete, well-defined unit bounded by two welded units and (2) intact pieces, when recovered, display strong vapor-phase alteration (presumably because of their positions above and below two welded units) and features suggesting surge textures. Nonetheless, such a thick sequence of surge deposits is not observed in outcrop, nor is it known to exist elsewhere in the TA-16 area. This interval of Qbt_4 is mostly a covered slope formerly located along Cañon de Valle. For this reason, previous mapping and sampling projects did not recover information from it. If indeed the powder unit is a thick sequence of surge beds, it is not completely anomalous for Qbt_4. For example, up to 15 ft (4.6 m) of surge beds are found in Qbt_4 along Diamond Drive north of Los Alamos Canyon, and such areas are ubiquitous in the Guaje Canyon area. Such accumulation of surge deposits can derive from the interaction of pyroclastic flow with topographic obstacles, such as canyons and lava flows that are typical along the eastern scarp of the Jemez Mountains. This relationship requires such anomalous surge deposits to have relatively limited lateral continuity, especially with increasing distance from the area of high pre-emplacement topographic variability. The powder unit does show common zones of alteration, presumably resulting from interaction with groundwater movement at various times after its emplacement. Nonetheless, the powder unit in core appears to be too fine to support much porosity and not compacted enough to support fractures.

4.4.2 Analytical Data Quality Assessment

Grab samples were sent for fixed laboratory analysis. One request number was analyzed at an in-house analytical laboratory. The latter results were not validated during routine or focused validation. All remaining samples used for decision making and for identification of COPCs were analyzed at commercial analytical laboratories. In total, 42 request numbers and 60 analytical samples were analyzed. Anion data collected in support of the tracer experiment were analyzed in an in-house laboratory and were not validated through the sample management organization (SMO). Detailed information regarding data validation can be found in Appendix C of this document.

The most significant analytical issue involving this data set was missed holding times causing rejection of data. Data from four complete request numbers were rejected for grossly exceeding holding times. Grossly exceeded holding times are considered to be greater than twice the acceptable holding time. The rejected request numbers involved high explosives, VOC, and SVOC analyses. Inorganic samples have holding times which are much longer than the holding times for organic compounds, and therefore, inorganic results are not as sensitive to holding time issues. However, mercury does not have a long holding time and mercury results were rejected in request number 4010R for exceeding holding times.

Another significant analytical QC problem affected the SVOC data in request 2843. Originally this request encompassed three samples: 0316-96-3000 through 0316-96-3002. However, the data associated with sample 0316-96-3002 were rejected at the analytical laboratory due to an analytical problem. The original results associated with this sample indicated to the laboratory technician that the extraction of contaminants from the sample had failed. Because results from the first analysis were rejected by the

laboratory, and insufficient sample material remained for a second extraction and reanalysis, no results exist for this sample.

Six requests for VOC analysis of water samples exceeded the recommended seven-day holding period but were analyzed prior to 14 days. However, the U.S. EPA CLP National Functional Guidelines for Organic Data Review indicate that a 14-day holding period prior to VOC analysis is acceptable for properly preserved samples (EPA 1994, 48639). All water samples were properly preserved (cooled to 4° C and acidified to pH<2). Any qualifiers placed on these samples due to holding time problems were removed during focused validation; however, these sample results may be qualified due to other issues affecting data quality.

Silver results in request number 3877R and mercury results in request number 4068R are rejected due to unacceptably poor spike recovery results. All sample results in request number 4154R for inorganic analysis are rejected due to poor spike recovery results for all analytes. Spike results indicate how well the analytical procedure can recover and quantify an analyte in a sample. When the spike recovery result is low, data may be qualified with a low bias or rejected. If the known spike amount cannot be quantitatively recovered, any amount in the sample is assumed to be affected similarly.

Another common, and minor, data quality issue is laboratory contamination of samples. Common laboratory chemicals such as acetone and methylene chloride, and phthalates such as bis(2-ethylhexyl)phthalate commonly found in man-made materials frequently contaminate analytical samples. Laboratory contamination is detected by the presence of these contaminants in the laboratory blank sample. When a common contaminant is detected in the blank and the sample, an amount in the sample equal to 10 times the level found in the blank is assumed to be attributable to laboratory contamination. If the amount of chemical found in the sample is greater than 10 times the amount found in the blank, it is assumed that the compound is actually present in the sample due to environmental contamination, not due to laboratory contamination.

Metals analyses had occasional data quality issues, usually associated with high or low spike recovery or poor duplicate results. Data quality problems were only severe enough to warrant rejection of data in three request numbers (see above). Most cases resulted in qualification of some inorganic analytes affected by the QA problem. Of five inorganic requests (3877R, 4053R, 4010R, 4026R, 4077R), spike recoveries were low for arsenic, cyanide, mercury, silver, selenium, and antimony, and these results are qualified as UJ. It is not uncommon for these analytes to have low spike recoveries due to their chemical nature. Of the five requests, copper and manganese had high spike recoveries and these results are qualified as estimated with a high bias. Of the five requests, lead, zinc, and manganese had poor duplicate recoveries. Poor duplicate results are considered to be differences between the sample and duplicate that vary more than 35%, which takes into account natural heterogeneity of LANL samples. Analytes which differ by more than 35% are qualified as estimated. In request 2844, there was insufficient sample remaining for a cyanide spike and duplicate analysis. Also, the analytical laboratory incorrectly calculated the mercury spike result and the correct result could not be calculated based on the information in the data package. Although this error reduces confidence in the final result, the mercury and cyanide data in this request were accepted based on the strength of the remaining QC data, which were within acceptable limits.

Only two request numbers for HE analyses had QA issues associated with them. In request number 3748R, a laboratory control sample (LCS) result was poor for recovery of TNB, TNT, and 2,4-DNT. The

recoveries ranged from 41% for TNB to 59% for 2,4-DNT. Since 60% recovery in the LCS is considered acceptable, the result for 2,4-DNT scarcely warrants qualification of the data. However, worse results for TNB and TNT indicate that the analytical results for these two compounds should be considered biased low, since recovery of the these compounds in the LCS (a "perfect" sample) was poor. All three analytes are qualified as J- in this request number. In request number 3745R, sample 0316-97-3104 was reanalyzed due to very poor surrogate recovery. By the time the reanalysis was conducted on the sample, the sample had exceeded holding times. Because the QC results for the reanalysis were significantly improved and more analytes were detected in the reanalyzed result, the original sample result is rejected and the reanalyzed results are accepted to replace them. However, the data for compounds detected in the reanalysis are qualified due to exceeding holding times. Because exceeding holding times may cause a reduction in the amount of HE present in the sample, the results are qualified as estimated with a low bias (J-).

Many water samples were analyzed for water quality parameters such as alkalinity, pH, total dissolved solids, and anion and cation concentrations. Some samples were also analyzed for boron and silicon. The data from these analyses were not validated during routine or focused validation because no comparative standards exist against which to validate the results. These data are included in this report for the purpose of completeness and conceptual model development. All other samples were submitted for routine validation.

Detection limits were acceptable for all samples in this data set. Elevated detection limits were not a QA/QC issue for these sample results.

No rejected data was used for decision making purposes in this report. All data are useable with application of the relevant qualifiers.

This site has been heavily sampled for many years with known detections of HE and barium. Data quality problems associated with HE minimally impact the decisions being made at this site, because the site is already known to be contaminated with HE. Similarly barium, a component of HE, is a known contaminant at this site. No barium results had QA problems associated with them. In general, the inorganic results had no unexpected QA problems. There also were no significant QA problems associated with non-HE organic analyses. The most significant QA problem associated with this data set was rejection of data due to exceeding holding times. Since no rejected data were used in this report, this is not a data usability issue. Rejected data affect the general use of the data set for determining extent of contamination. If enough data are rejected, there may not be sufficient data to characterize a site. However, given the large amount of data collected at this site, the rejected data do not affect the general data quality. Overall, the results in this data set are of average quality and adequate for the decisions in this report.

A detailed description of the data quality assessment for all data presented in this report can be found in Appendix C of this report.

4.4.3 Analytical Data Presentation

The following sections present analytical and water quality data for the intermediate-depth boreholes, intermediate-depth borehole waters, and springs.

4.4.3.1 Intermediate-Depth Boreholes

4.4.3.1.1 Borehole Tuff Sampling

A total of eight laboratory tuff samples were taken from the four intermediate-depth boreholes, although none were prescribed in the Phase I RFI Report (LANL 1996, 55077). Sample locations were selected based on field screening and to evaluate the degree of contamination of tuff associated with saturated zones. Request numbers for these laboratory samples are provided in Table 4.4-1.

Table 4.4-1
Summary of Laboratory Samples Taken and Request Numbers in Intermediate-Depth Boreholes

Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Media[a]	Hexp	Barium	Mettalcn	Semi	VOAGCMS
16-2665	0316-97-0415	234	240	IN	QBT_4	3876R	NA[b]	3877R	3875R	3875R
16-2665	0316-97-0416	1494	1500	IN	QBT_4	3876R	NA	3877R	3875R	3875R
16-2667	0316-97-0421	1494	1506	IN	QBT_3	4006R	NA	4007R	4005R	4005R
16-2667	0316-97-0422	2400	2450.4	IN	QBT_3	4006R	NA	4007R	4005R	4005R
16-2665	0316-97-0427	NA	NA	NA	WGI	4009R	NA	4010R	4008R	4008R
16-2665	0316-97-0428	NA	NA	NA	WGI	4009R	NA	4010R	4008R	NA
16-2669	0316-98-0418	37.5	38.5	IN	QBT_4	4092R	NA	4093R	4091R	4091R
16-2669	0316-98-0419	1308	1320	IN	QBT_3	4153R	NA	4154R	4152R	4152R
16-2669	0316-98-0420	NA	NA	NA	WGI	4163R	NA	NA	NA	NA
16-2668	0316-98-0424	818.4	824.4	IN	QBT_4	4051R	NA	4053R	4052R	4052R
16-2668	0316-98-0425	1908	1920	IN	QBT_3	4067R	NA	4068R	4066R	NA
16-2669	0316-98-0426	NA	NA	NA	WGI	NA	4164R	NA	NA	NA

[a] QBT4 = Tschirege unit 4/5; QBT3 = Tschirege unit 3; SED = sediments; WGI = groundwater

[b] NA = Not analyzed.

4.4.3.1.2 Evaluation of Inorganic Chemicals – Borehole Tuff

Complete analytical data for inorganic chemical analyses of intermediate-depth boreholes are provided in Appendix I. Validation results for these data are summarized in Appendix C. Overall the tuff samples from the boreholes that are discussed in this subsection were adequate for decision purposes in this report. Inorganic results for several samples were qualified and inorganic results for sample 0316-98-0419 were rejected due to poor quality analytical results.

Table 4.4-2 summarizes the frequency of detected inorganic chemicals and of non-detected chemicals with detection limits exceeding background values based on the background tuff data. Results above the background values, including nondetected results at detection limits above background, are shown in Table 4.4-3. Table 4.4-4 summarizes the evidence for a release of those inorganic chemicals appearing in Table 4.4-2 and identifies those that are carried forward into Sections 5 and 6. All inorganic constituents eliminated in Table 4.4-4 did not have any detects above the background value (BV) for tuff and are not carried forward to Sections 5 and 6. A location map showing boreholes with constituents above BVs is provided as Figure 4.4-6.

Table 4.4-2

Frequency of Detected Inorganic Chemicals in Intermediate-Depth Borehole Tuff Samples

Analyte	Media	Number of Analyses[a]	Number of Detects	Concentration Range (mg/kg)	Background Value (mg/kg)	Frequency of Detects Above Background Value
Aluminum	Tuff	8	6	[5.3][b]–786	7340	0/7
Antimony	Tuff	9	0	[0.31–11]	0.5	DL[c] > BV (3/7)
Arsenic	Tuff	9	6	0.54–1.8	2.79	0/7
Barium	Tuff	9	7	2.9–9.8	46	0/7
Beryllium	Tuff	9	4	0.08–[0.53]	1.21	0/7
Cadmium	Tuff	9	0	[0.06–0.53]	1.63	0/7
Calcium	Tuff	8	7	189–3500	2200	1/7
Chromium, total	Tuff	9	4	0.17–2.1	7.14	0/7
Cobalt	Tuff	9	3	0.24–[1.1]	3.14	0/7
Copper	Tuff	9	6	0.48–4	4.66	0/7
Cyanide, total	Tuff	8	0	[0.26–1]	0.5	DL > BV (6/7)[2]
Iron	Tuff	9	7	456–4000	14500	0/7
Lead	Tuff	9	7	0.62–3.2	11.2	0/7
Magnesium	Tuff	8	7	33.3–278	1690	0/7
Manganese	Tuff	9	7	33.6–182	482	0/7
Mercury	Tuff	8	0	[0.012–0.11]	0.1	DL > BV (2/6)
Nickel	Tuff	9	4	[0.27]–2.1	6.58	0/7
Potassium	Tuff	8	7	45.7–239	3500	0/7
Selenium	Tuff	9	0	[0.22–0.58]	0.3	DL > BV (5/7)
Silver	Tuff	9	1	[0.14–2.1]	1	DL > BV (2/5)
Sodium	Tuff	8	5	[21]–307	2770	0/7
Thallium	Tuff	6	1	[0.22]–1.1	1.1	0/5
Thorium	Tuff	2	1	0.26	10.8	0/2
Vanadium	Tuff	8	7	0.33–2.5	17	0/7
Zinc	Tuff	9	7	4.2–16	63.5	0/7

[a] The number of analyses may not be equivalent to the denominator of the frequency of detects ratio if data were rejected.

[b] Brackets indicate the value is below detection limits, although some analytes may be detected at values within this range.

[c] DL = Detection limit; BV = background value

Table 4.4-3

Detected Inorganic Chemicals in Intermediate-Depth Borehole Tuff Samples

Analyte	Location ID	Sample ID	Sample Concentration (mg/kg)	Background Value (mg/kg)	Media	Depth(ft)
Antimony	16-2667	0316-97-0421	11(UJ)[a]	0.5	Tuff	124.5–125.5
	16-2667	0316-97-0422	11(UJ)		Tuff	200–204.2
	16-2668	0316-98-0424	0.74(U)[b]		Tuff	68.2–68.7
Calcium	16-2667	0316-97-0421	3500	2200	Tuff	124.5–125.5
Cyanide, Total	16-2665	0316-97-0415	1(U)	0.5	Tuff	19.5–20
	16-2665	0316-97-0416	1(U)		Tuff	124.5–125
	16-2667	0316-97-0422	0.53(U)		Tuff	200–204.2
	16-2667	0316-97-0421	0.53(UJ)		Tuff	124.5–125.5
	16-2668	0316-98-0425	0.99(U)		Tuff	159–160
	16-2669	0316-98-0418	1(U)		Tuff	37.5–38.5
Mercury	16-2667	0316-97-0421	0.11(U)	0.1	Tuff	124.5–125.5
	16-2667	0316-97-0422	0.11(U)		Tuff	200–204.2
Selenium	16-2667	0316-97-0421	0.53(U)	0.3	Tuff	124.5–125.5
	16-2667	0316-97-0422	0.53(U)		Tuff	200–204.2
	16-2668	0316-98-0424	0.58(U)		Tuff	68.2–68.7
	16-2668	0316-98-0425	0.31(U)		Tuff	159–160
	16-2669	0316-98-0418	0.36(U)		Tuff	37.5–38.5
Silver	16-2667	0316-97-0421	2.1(U)	1	Tuff	124.5–125.5
	16-2667	0316-97-0422	2.1(U)		Tuff	200 – 204.2

[a] UJ = The analyte was analyzed for but not detected. The associated value is an estimate.

[b] U = The analyte was analyzed for but not detected above the reported estimated quanititation limit or sample detection limit.

Table 4.4-4
Results of Inorganic Data Review for Intermediate-Depth Borehole Tuff Samples

Analyte	Media	Result	Rationale for Retaining or Eliminating as a COPC
Aluminum	Tuff	Eliminated	All samples are below the background values.
Antimony	Tuff	Retained	Detection limits greater than background value
Arsenic	Tuff	Eliminated	All samples are below the background values.
Barium	Tuff	Eliminated	All samples are below the background values.
Beryllium	Tuff	Eliminated	All samples are below the background values.
Cadmium	Tuff	Eliminated	All samples are below the background values.
Calcium	Tuff	Retained	One out of seven analyses exceeded the background value
Chromium	Tuff	Eliminated	All samples are below the background values.
Cobalt	Tuff	Eliminated	All samples are below the background values.
Copper	Tuff	Eliminated	All samples are below the background values.
Cyanide	Tuff	Eliminated	All samples are below the background values.
Iron	Tuff	Eliminated	All samples are below the background values.
Lead	Tuff	Eliminated	All samples are below the background values.
Magnesium	Tuff	Eliminated	All samples are below the background values.
Manganese	Tuff	Eliminated	All samples are below the background values.
Mercury	Tuff	Retained	Detection limits greater than the background value for two out of 6 samples
Nickel	Tuff	Eliminated	All samples are below the background values.
Potassium	Tuff	Eliminated	All samples are below the background values.
Selenium	Tuff	Retained	Detection limits greater than the background value for five out of seven samples
Silver	Tuff	Retained	Detection limits greater than the background value for two out of five samples
Sodium	Tuff	Eliminated	All samples are below the background values.
Thallium	Tuff	Eliminated	All samples are below the background values.
Thorium	Tuff	Eliminated	All samples are below the background values.
Vanadium	Tuff	Eliminated	All samples are below the background values.
Zinc	Tuff	Eliminated	All samples are below the background values.

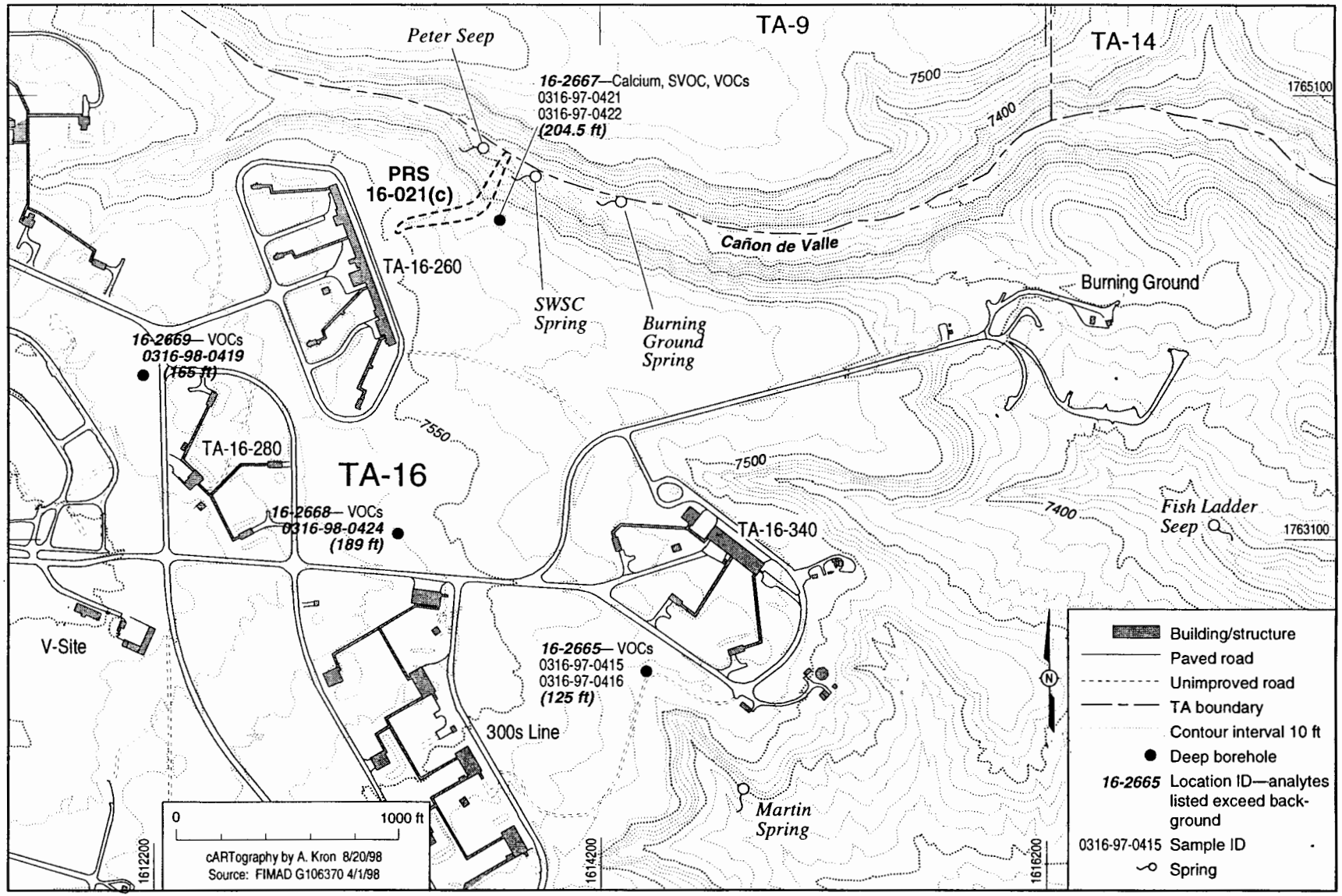


Figure 4.4-6. Location map for intermediate-depth boreholes showing contaminant data (in tuff). Analytes with detection limits greater than background values not shown.

Only one inorganic analyte, calcium, was detected above Qbt BVs (Tables 4.4-2 and 4.4-3). This detect was in the SWSC cut borehole at a depth of 200 ft. It is unlikely that this represents anthropogenic contamination, because calcium is not a process chemical used at TA-16 and because inorganic contamination at this depth is unlikely to be anthropogenic. More likely, this sample was naturally high in calcium, perhaps due to the presence of a calcite rich vein. Nonetheless, calcium is carried forward as a COPC to Section 6.

4.4.3.1.3 Evaluation of Organic Chemicals – Borehole Tuff

Complete analytical data for organic chemical analyses of intermediate-depth borehole tuff samples are provided in Appendix I. Validation results for these data are summarized in Appendix C.

Table 4.4-5 summarizes the frequency of detected organic chemicals in intermediate-depth borehole tuff samples. All results above the detection limits are shown in Table 4.4-6. No HE were detected in these tuff samples. Figure 4.4-6 identifies the locations of detected results for the organic constituents. Table 4.4-7 summarizes the evidence for release of organic constituents appearing in Table 4.4-6. All detects are carried forward as COPCs to Sections 5 and 6 for assessment, although both identified constituents are common laboratory contaminants.

Table 4.4-5

Frequency of Detected Organic Chemicals in Intermediate-Depth Borehole Tuff Samples

Analyte	Media	Number of Analyses[a]	EQL (mg/kg)	Concentration Range (mg/kg)	Frequency of Detects[1]
Bis(2–ethylhexyl)phthalate	Tuff	8	0.330	0.19 – [0.34][b]	1/6
Acetone	Tuff	7	0.020	(0.002) – 0.35	4/6

[a] The number of analyses may not be equivalent to the denominator of the frequency of detects ratio if data were rejected.

[b] Brackets indicate the value is below detection limits, although some analytes may be detected at values within this range.

Table 4.4-6

Detected Organic Chemicals in Intermediate-Depth Borehole Tuff Samples

Analyte	Location ID	Sample ID	Sample Concentration (mg/kg)	Media	Depth (ft)
Bis(2-ethylhexyl)phthalate	16-2667	0316-97-0422	0.19	Tuff	200 – 204.2
Acetone	16-2665	0316-97-0416	0.045(J-)[a]	Tuff	124.5–125
	16-2667	0316-97-0421	0.35	Tuff	124.5–125.5
	16-2668	0316-98-0424	0.036(J)[b]	Tuff	68.2–68.7
	16-2669	0316-98-0419	0.043	Tuff	109–110

[a] J- = The reported value is an estimated quantity possibly with a low bias.

[b] J = The reported value is an estimated quantity.

Table 4.4-7

Results of Volatile and Semivolatile Organic Data Review for Intermediate-Depth Borehole Tuff Samples

Analyte	Media	Result	Rationale for Retaining as a COPC
Acetone	Tuff	Retained	4 of the 6 samples exceed the detection limit
Bis(2-ethylhexyl)phthalate	Tuff	Retained	1 of the 6 samples exceed the detection limit

Two organic compounds, acetone and bis-2-ethylhexylphthalate, were detected in the tuff samples from the intermediate-depth boreholes (Table 4.4-5) (Figure 4.4-6). These analytes are present at levels less than 1 mg/kg (Table 4.4-6). Both of these chemicals are common laboratory contaminants. For sample 0316-97-0416, acetone was present in the laboratory blank. However, acetone was also present in the sample at concentrations greater than ten times the amount in the blank. In the remaining samples, blank contamination is not a problem.

4.4.3.1.4 Borehole Water Sampling

A total of four water samples were collected from intermediate-depth boreholes for laboratory analysis (Table 4.4-1). Water was found during drilling of borehole 16-2665, which is located south of TA-16-340, and borehole 16-2669, which is located southeast of the 90s-Line pond (Figure 4.3-1). Full suite filtered and unfiltered laboratory analytical samples were not collected, because of the limited amount of water in each borehole. In addition, the water sample from borehole 16-2665 missed holding times because it was initially assumed that the borehole was making water and that adequate material for samples would be available. When the borehole dried up, laboratory analyses were performed on samples that had been collected for field screening. These data were rejected during validation and do not appear in the data tables below. The rejected HE data for borehole 16-2665 suggest the presence of HE. These data are important, even though they are of low quality, because it shows that the saturated zones near Martin Spring are HE contaminated, even though the unsaturated tuff above them appear to be free of significant HE. This observation suggests a conceptual model with isolated, fast pathway, connectivity between waters in the Martin spring area and a high HE source. Inorganic data for unfiltered samples from borehole 2665 were rejected due to extremely high total suspended solid loads.

4.4.3.1.5 Evaluation of Inorganic Chemicals – Borehole Water

Complete analytical data for inorganic chemical analyses of intermediate-depth boreholes waters are provided in Appendix I. Validation results for these data are summarized in Appendix C. Overall few qualifers were applied to the results for the water samples from the boreholes that are discussed in this subsection. However, mercury data was rejected for samples 0316-98-0427 and -0428 due to grossly exceeded holding times.

Table 4.4-8 summarizes the frequency of detected inorganic chemicals. Due to the extremely limited number of nonrejected inorganic data for borehole waters, a statistical comparison to a background data set could not be made. Instead, inorganic data were compared directly to the range of the spring background data set (Longmire 1998, 59366). The spring background data set used for comparisons is described in Appendix D and provided in Appendix I. Results above the detection limits and greater than the background range are shown in Table 4.4-9. Table 4.4-10 summarizes the evidence for a release of those inorganic chemicals appearing in Table 4.4-8 and identifies those which are carried forward into Sections 5 and 6. All inorganic constituents not listed in Table 4.4-10 did not have any detects greater than the background distribution and are not carried forward to Sections 5 and 6. A location map showing boreholes with constituents above the background range is provided as Figure 4.4-7.

4.4.3.1.6 Evaluation of High Explosives – Borehole Water

Complete analytical data for high explosives analyses of intermediate-depth boreholes waters are provided in Appendix I. Validation results for these data are summarized in Appendix C. Although there are water samples from the boreholes that are discussed in this subsection, there is only organic data from two samples because all organic data was rejected for samples 0316-98-0427 and –0428 due to grossly exceeded holding times. Table 4.4-11 summarizes the frequency of detects for high explosives. Detected results are shown in Table 4.4-12. Table 4.4-13 summarizes the evidence for a release of those high explosives appearing in Table 4.4-8 and identifies those that are carried forward into Sections 5 and 6. All HE and organic constituents not listed in Table 4.4.3.1-13 did not have any detects and are not carried forward to Sections 5 and 6. A location map showing boreholes with constituents above BVs is provided as Figure 4.4-7.

4.4.3.2 Springs

This section provides data from three springs located at TA-16: SWSC Spring, Martin Spring, and Burning Ground Spring (Figure 4.3-1). The following data are included in this section:

- Historic spring data collected in the Laboratory's geology and geochemistry group (EES-1) geochemistry analytical lab. Most of these data were presented in the Phase I RFI report, in Appendix C (LANL 1996, 55077).
- Quarterly sampling data for the three springs, which were collected between December 1996 and December 1997. These analyses were completed using EPA SW-846 methods when available.

Both filtered and unfiltered samples were collected. For most analytes, the differences between filtered and unfiltered samples are small. Request numbers for the spring quarterly samples are provided in Table 4.4-14.

A significant difficulty in analyzing the data from the TA-16 springs is the lack of an NMED-approved background data set with which to compare. Collection of a spring data set is ongoing. In this section we compare the TA-16 spring data set to a preliminary spring data set consisting of springs that issue from the Tschicoma Dacite and the Tshirege member of the Bandelier tuff (Longmire 1998, 59366). Springs used for this background comparison are listed in Table 4.4-15. A simple statistical test (the Wilcoxon/ Gehan Test) was used to determine whether the TA-16 data set was greater than this background data set at a specific confidence level. Further discussion of this preliminary background data set are provided in Appendix D, the full data set used is provided in Appendix I.

Table 4.4-8

Frequency of Detected Inorganic Chemicals in Intermediate-Depth Borehole Water Samples

Analyte	Media	Number of Analyses[a]	Number of Detects	Concentration Range (µG/l)
Aluminum	Water	2	1	200
Antimony	Water	2	0	[20][b]
Arsenic	Water	2	0	[4]
Barium	Water	3	1	10
Beryllium	Water	2	0	[4]
Cadmium	Water	2	1	[5]
Calcium	Water	2	1	200
Chromium, Total	Water	2	0	[10]
Cobalt	Water	2	0	[20]
Copper	Water	2	1	3700
Iron	Water	2	1	230
Lead	Water	2	0	[1]
Magnesium	Water	2	1	7000
Manganese	Water	2	1	730
Nickel	Water	2	1	100
Potassium	Water	2	1	7000
Selenium	Water	2	0	[4]
Silver	Water	2	0	[10]
Sodium	Water	2	1	38000
Thallium	Water	2	0	[5]
Vanadium	Water	2	0	[10]
Zinc	Water	2	0	[0.02]

[a] Although two samples were analyzed, one sample was rejected due to high suspended solids.

[b] Brackets indicate the value is below detection limits, although some analytes may be detected at values within this range.

Table 4.4-9

Detected Inorganic Chemicals in Intermediate-Depth Borehole Water Samples

Analyte	Location ID	Sample ID	Sample Concentration (µG/l)	Greater Than Background Range	Media	Collection Date	Field Prep
Aluminum	16-2665	0316-97-0428	200	No	Water	23-Oct-97	Filtered
	16-2665	0316-97-0428	10	No	Water	23-Oct-97	Filtered
Barium	16-2665	0316-97-0428	10	No	Water	23-Oct-97	Filtered
Calcium	16-2665	0316-97-0428	200	No	Water	23-Oct-97	Filtered
Iron	16-2665	0316-97-0428	230	No	water	23-Oct-97	Filtered
Magnesium	16-2665	0316-97-0428	7000	Yes	water	23-Oct-97	Filtered
Manganese	16-2665	0316-97-0428	730	Yes	water	23-Oct-97	Filtered
Nickel	16-2665	0316-97-0428	100	Yes	water	23-Oct-97	Filtered
Potassium	16-2665	0316-97-0428	7000	No	water	23-Oct-97	Filtered
Sodium	16-2665	0316-97-0428	38000	Yes	water	23-Oct-97	Filtered

Table 4.4-10

Results of Inorganic Data Review for Intermediate-Depth Borehole Water Samples

Analyte	Media	Result	Rationale for Retaining or Eliminating as a COPC
Aluminum	Water	Eliminated	The intermediate-depth borehole water data set was not greater than the background range.
Antimony	Water	Eliminated	The intermediate-depth borehole water data set was not greater than the background range.
Arsenic	Water	Eliminated	The intermediate-depth borehole water data set was not greater than the background range.
Barium	Water	Eliminated	The intermediate-depth borehole water data set was not greater than the background range.
Beryllium	Water	Eliminated	The intermediate-depth borehole water data set was not greater than the background range.
Cadmium	Water	Eliminated	The intermediate-depth borehole water data set was not greater than the background range.
Calcium	Water	Eliminated	The intermediate-depth borehole water data set was not greater than the background range.
Chromium, total	Water	Eliminated	The intermediate-depth borehole water data set was not greater than the background range.
Cobalt	Water	Eliminated	The intermediate-depth borehole water data set was not greater than the background range.
Copper	Water	Eliminated	The intermediate-depth borehole water data set was not greater than the background range.
Iron	Water	Eliminated	The intermediate-depth borehole water data set was not greater than the background range.
Lead	Water	Eliminated	The intermediate-depth borehole water data set was not greater than the background range.
Magnesium	Water	Retained	Detected at level greater than background range
Manganese	Water	Retained	Detected at level greater than background range

Table 4.4-10 (concluded)

Analyte	Media	Result	Rationale for Retaining or Eliminating as a COPC
Nickel	Water	Eliminated	Detected at level greater than background range
Potassium	Water	Eliminated	The intermediate-depth borehole water data set was not greater than the background range.
Selenium	Water	Eliminated	The intermediate-depth borehole water data set was not greater than the background range.
Silver	Water	Eliminated	The intermediate-depth borehole water data set was not greater than the background range.
Sodium	Water	Retained	Detected at level greater than background range
Thallium	Water	Eliminated	The intermediate-depth borehole water data set was not greater than the background range.
Vanadium	Water	Eliminated	The intermediate-depth borehole water data set was not greater than the background range.
Zinc	Water	Eliminated	The intermediate-depth borehole water data set was not greater than the background range.

Table 4.4-11

Frequency of Detected HE Chemicals in Intermediate-Depth Borehole Water Samples

Analyte	Media	Number of Analyses[a]	EQL (µG/l)	Concentration (µG/l)	Frequency of Detects
2,4-Dinitrotoluene	Water	3	0.02	4.03	1/1
HMX	Water	3	ND	21	1/1
RDX	Water	3	0.84	281	1/1
2,4,6-Trinitrotoluene	Water	3	0.11	1.27	1/1

[a] The number of analyses may not be equivalent to the denominator of the frequency of detects ratio if data were rejected.

Table 4.4-12

Detected HE Chemicals in Intermediate-Depth Borehole Water Samples

Analyte	Location ID	Sample ID	Sample Concentration (µG/l)	Media	Field Prep	Collection Date
2,4-Dinitrotoluene	16-2669	0316-98-0420	4.03	water	Unfiltered	11-Mar-98
HMX	16-2669	0316-98-0420	21	water	Unfiltered	11-Mar-98
RDX	16-2669	0316-98-0420	281	water	Unfiltered	11-Mar-98
2,4,6-Trinitrotoluene	16-2669	0316-98-0420	1.27	water	Unfiltered	11-Mar-98

Table 4.4-13

Results of HE Data Review for Intermediate-Depth Borehole Water Samples

Analyte	Media	Result	Rationale for Retaining as a COPC
Dinitrotoluene[2, 4-]	Water	Retained	1 sample exceeded the detection limit
HMX	Water	Retained	1 sample exceeded the detection limit
RDX	Water	Retained	1 sample exceeded the detection limit
Trinitrotoluene[2,4,6-]	Water	Retained	1 sample exceeded the detection limit

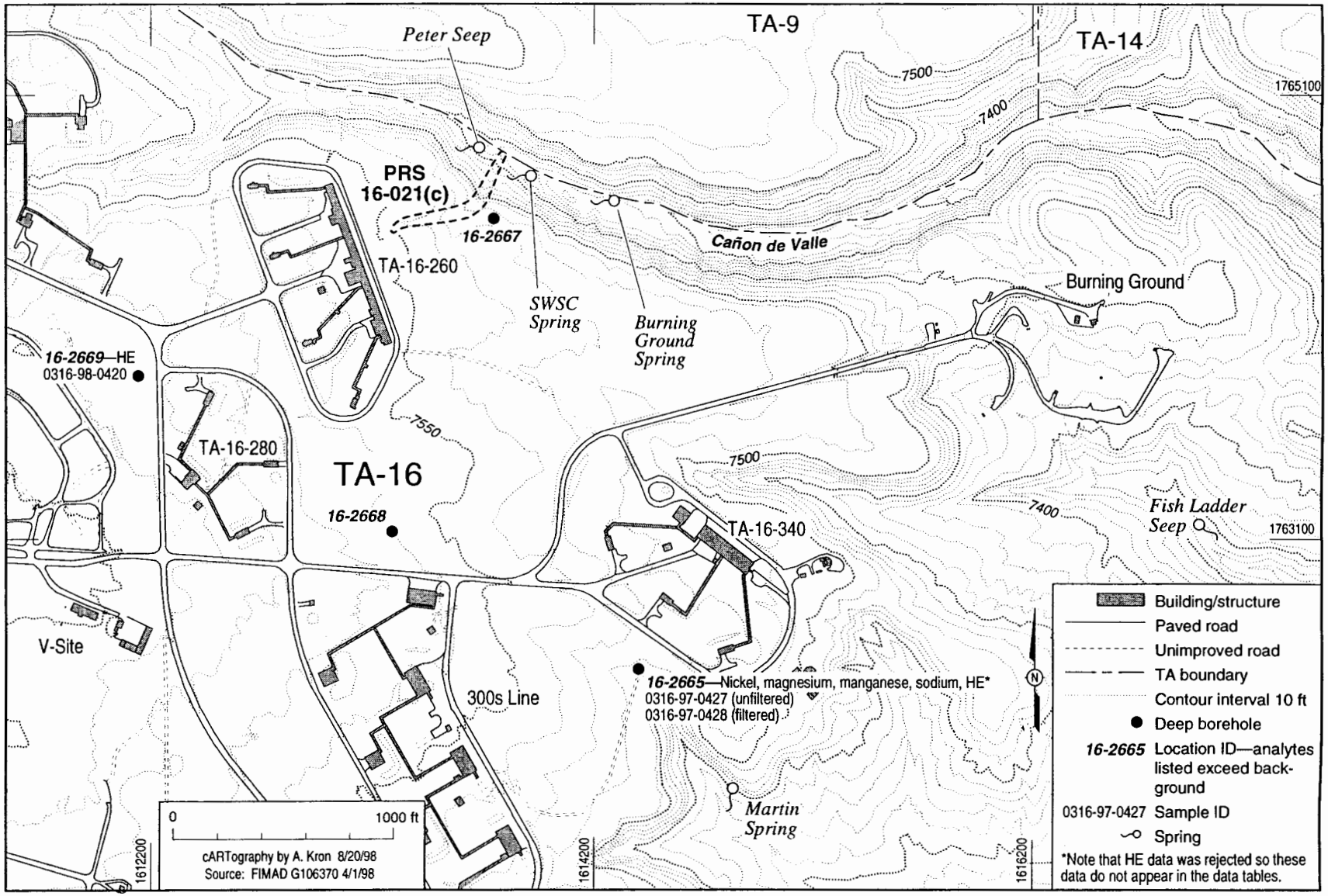


Figure 4.4-7. Location map for intermediate-depth boreholes showing constituents above background (in water)

Table 4.4-14

Summary of Laboratory Samples Taken and Request Numbers in Springs

Location ID	Sample ID	Media	Anions	Hexp	Mettal	Mettalcn	NO2/NO3 as N	Semi VOA	Voagcms	Water Quality
16-2652	0316-96-3000	WGS[a]	NA[b]	2845	NA	2844	NA	2843	2843	NA
16-2651	0316-96-3001	WGS	NA	2845	NA	2844	NA	2843	2843	NA
16-2650	0316-96-3002	WGS	NA	2845	NA	2844	NA	NA	2843	NA
16-2650	0316-97-3000	WGS	NA	3018R	NA	3019R	NA	3017R	NA	NA
16-2650	0316-97-3001	WGS	NA	3018R	NA	3019R	NA	3017R	3017R	NA
16-2650	0316-97-3002	WGS	NA	NA	NA	NA	NA	NA	NA	3020R
16-2651	0316-97-3003	WGS	NA	3018R	NA	3019R	NA	3017R	NA	NA
16-2651	0316-97-3004	WGS	NA	3018R	NA	3019R	NA	3017R	3017R	NA
16-2651	0316-97-3005	WGS	NA	NA	NA	NA	NA	NA	NA	3020R
16-2652	0316-97-3006	WGS	NA	3018R	NA	3019R	NA	3017R	NA	NA
16-2652	0316-97-3007	WGS	NA	3018R	NA	3019R	NA	3017R	3017R	NA
16-2652	0316-97-3008	WGS	NA	NA	NA	NA	NA	NA	NA	3020R
16-2650	0316-97-3009	WGS	NA	NA	NA	NA	NA	NA	NA	3020R
16-2651	0316-97-3010	WGS	NA	NA	NA	NA	NA	NA	NA	3020R
16-2652	0316-97-3011	WGS	NA	NA	NA	NA	NA	NA	NA	3020R
16-2650	0316-97-3012	WGS	NA	3294R	3295R	NA	NA	3293R	NA	NA
16-2650	0316-97-3013	WGS	NA	3294R	3295R	NA	NA	3293R	NA	NA
16-2650	0316-97-3014	WGS	NA	NA	NA	NA	NA	NA	NA	3295R
16-2650	0316-97-3015	WGS	NA	NA	NA	NA	NA	NA	NA	3295R
16-2652	0316-97-3016	WGS	NA	3294R	3295R	NA	NA	3293R	NA	NA
16-2652	0316-97-3017	WGS	NA	3294R	3295R	NA	NA	3293R	NA	NA
16-2652	0316-97-3018	WGS	NA	NA	NA	NA	NA	NA	NA	3295R
16-2652	0316-97-3019	WGS	NA	NA	NA	NA	NA	NA	NA	3295R
16-2651	0316-97-3020	WGS	NA	3294R	3295R	NA	NA	3293R	NA	NA
16-2651	0316-97-3021	WGS	NA	3294R	3295R	NA	NA	3293R	3293R	NA
16-2651	0316-97-3022	WGS	NA	NA	NA	NA	NA	NA	NA	3295R
16-2651	0316-97-3023	WGS	NA	NA	NA	NA	NA	NA	NA	3295R
16-2650	0316-97-3028	WGS	NA	NA	NA	NA	NA	NA	3400R	NA
16-2652	0316-97-3029	WGS	NA	NA	NA	NA	NA	NA	3400R	NA
16-2650	0316-97-3101	WGS	3746R	3745R	3746R	NA	NA	3744R		3746R
16-2652	0316-97-3104	WGS	3746R	3745R	3746R	NA	NA	3744R	3744R	3746R
16-2652	0316-97-3105	WGS	3746R	3745R	3746R	NA	NA	3744R	NA	3746R
16-2651	0316-97-3108	WGS	3746R	3745R	3746R	NA	NA	3744R	3744R	3746R
16-2651	0316-97-3109	WGS	3746R	3745R	3746R	NA	NA	3744R	NA	3746R
16-2650	0316-97-3111	WGS	3749R	3748R	3749R	NA	NA	3747R	3747R	3749R
16-2650	0316-97-3185	WGS	4026R	4025R	NA	4026R	4026R	4024R	4024R	NA
16-2650	0316-97-3186	WGS	4026R	4025R	NA	4026R	4026R	4024R	4024R	NA
16-2651	0316-97-3187	WGS	4026R	4025R	NA	4026R	4026R	4024R	4024R	NA

Table 4.4-14 (concluded)

Location ID	Sample ID	Media	Anions	Hexp	Mettal	Mettalcn	NO2/NO3 as N	Semi VOA	Voagcms	Water Quality
16-2651	0316-97-3188	WGS	4026R	4025R	NA	4026R	4026R	4024R	4024R	NA
16-2652	0316-97-3189	WGS	4026R	4025R	NA	4026R	4026R	4024R	4024R	NA
16-2652	0316-97-3190	WGS	4026R	4025R	NA	4026R	4026R	4024R	4024R	NA

[a] WGS = Groundwater, spring.

[b] NA = Not analyzed.

Table 4.4-15
Springs Used in Background Comparisons

Spring	Geologic Unit	Number of Analyses
Apache Spring	Tschicoma Dacite	4
Canon de Valle Spring	Tschicoma Dacite	1
Water Canyon Gallery	Bandelier Tuff	4
Pine Spring	Bandelier Tuff	8
Seven Springs	Bandelier Tuff	7

A significant difficulty in analyzing the data from the TA-16 springs is the lack of an NMED-approved background data set with which to compare. Collection of a spring data set is ongoing. In this section we compare the TA-16 spring data set to a preliminary spring data set consisting of springs that issue from the Tschicoma Dacite and the Tshirege member of the Bandelier tuff (Longmire 1998, 59366). Springs used for this background comparison are listed in Table 4.4-15. A simple statistical test (the Wilcoxon/Gehan Test) was used to determine whether the TA-16 data set was greater than this background data set at a specific confidence level. Further discussion of this preliminary background data set is provided in Appendix D; the full data set used is provided in Appendix I.

Data will be presented in the following categories:

- Major constituents including silicon dioxide, calcium, magnesium, strontium, sodium, potassium, lithium, bicarbonate, sulfate, chlorine, fluorine, bromine, boron, carbonate, and total dissolved solids (TDS)
- Minor constituents including silver, aluminum, arsenic, barium, cadmium, chlorate, cobalt, chromium, cesium, copper, iron, mercury, iodine, manganese, molybdenum, ammonium, nickel, nitrite, nitrate, lead, phosphate, rubidium, antimony, selenium, uranium, and zinc
- High explosives
- Other organic analytes
- Stable isotopes

This data breakout follows treatments typical in the geochemical literature (e.g., Blake et al. 1995, 49931) and allows consideration of elements likely to control the geochemical behavior of a water separately from those elements present at low concentrations and hence unlikely to strongly influence the geochemical behavior of a water. The first two categories include cations and anions determined routinely during

geochemical analyses and a subset of analytes determined in the major constituent/water quality parameters suite (and in the EPA Method 6010 metals suite, see Appendix I). Although the analytes in the EPA Method 6010 suite are standard, the water quality parameter suite differs somewhat from laboratory to laboratory. This difference explains why only a subset of the water samples were analyzed for analytes such as bicarbonate. In some cases, an alternate but similar analyte such as alkalinity is provided.

4.4.3.2.1 Evaluation of Inorganic Chemicals - Springs

Complete analytical data for inorganic chemical analyses of intermediate-depth boreholes waters are provided in Appendix I. Validation results for these data are summarized in Appendix C. Overall very little inorganic data associated with the water samples from the springs were qualified. Six samples associated with request number 3020R were never validated.

Tables 4.4-16 (a and b) summarize the frequency of detected inorganic chemicals — both major and trace constituents. Results above the detection limits are shown in Table 4.4-17 (a and b) for historical, nonvalidated, geochemical data and in Table 4.4-18 (a and b) for the FY 97 quarterly data. The former data is provided for completeness only and is not explicitly utilized in the COPC data review.

Major Constituents

Major constituents were analyzed in all springs to identify sources of spring water, including anthropogenic sources. Most major constituents discussed below are not constituents of significant environmental concern. However, identification of constituents at levels greater than background can provide clues into the sources of water within the perched saturated zone that is manifest in the springs, and temporal changes in these elements can provide information on the dynamics of the perched system.

The following major constituents are statistically higher than background springs in the FY 1997 quarterly sampling data: silicon dioxide (unfiltered), calcium (filtered and unfiltered), magnesium (filtered and unfiltered), strontium (filtered and unfiltered), sodium (filtered and unfiltered), bicarbonate (filtered and unfiltered), sulfate (filtered and unfiltered), chloride (filtered and unfiltered), fluoride (filtered and unfiltered), boron (filtered and unfiltered), and TDS (filtered and unfiltered). Major constituents not statistically higher than background springs include potassium and lithium. The major constituents that are above spring background based on statistical test are discussed individually below. A location map showing boreholes with constituents above background distributions based on statistical tests is provided as Figure 4.4-8.

Silicon Dioxide. Silicon dioxide appears to be slightly higher in abundance in the TA-16 springs (unfiltered) than in the majority of the background data set (Appendix D), with a maximum value of 62 900 µG/l in sample 0316-97-3010. Unfiltered samples are typically slightly higher than filtered samples (Table 4.4-18 and Figure 4.4-9). For example, Martin Spring (location 16-2650) contained 38 900 µG/l in the filtered aliquot and 61 400 µG/l in the unfiltered aliquot during the March 1997 quarterly sampling round. Silicon dioxide was only analyzed during the March 1997 sampling round, during other quarterly sampling rounds only elemental silica was analyzed. There is no obvious difference among silicon dioxide abundances in the three springs (Figure 4.4-9). The FY 1997 quarterly analyses for silicon dioxide are consistent with the earlier geochemical samples that were reported in the Phase I RFI report (LANL 1996, 55077, p. C-7) and reproduced in Table 4.4-17, where silicon dioxide values ranged from 45 370 to 52 000 µG/l.

Table 4.4-16 (a)

Frequency of Detects for Inorganic Major and Trace Constituents in the Water Quality Suite for FY 1997 Quarterly Sampling Data

Analyte	Media	Number of Analyses	Number of Detects	Concentration Range	Units
Alkalinity, Total (Methyl Orange [pH=4.5] end point)	Water	12	12	55000–95000	µG/l
Bicarbonate	Water	6	6	78100–99800	µG/l
Boron	Water	13	13	20–1800	µG/l
Bromide	Water	23	6	40–[8000][a]	µG/l
Carbonate	Water	6	6	0	µG/l
Cesium	Water	6	1	2	µG/l
Chlorate	Water	6	0	[20]	µG/l
Chloride	Water	24	24	11000–22000	µG/l
Conductivity	Water	17	17	180–339	UMHOS[b]
Cyanide, Total	Water	9	0	[10]	µG/l
Fluoride	Water	24	21	100–800	µG/l
Iodide	Water	6	2	[10]–20	µG/l
Lithium	Water	6	1	10	µG/l
Molybdenum	Water	6	1	[0]–10	µG/l
Nitrogen, Ammonium (Expressed as NH4)	Water	6	6	40	µG/l
Nitrogen, Nitrate + Nitrite (Expressed as N)	Water	6	5	[50]–5000	µG/l
Nitrogen, Nitrate (Expressed as NO3)	Water	5	5	3140–10700	µG/l
Nitrogen, Nitrite (Expressed as NO2)	Water	7	1	[20]–3340	µG/l
pH	Water	18	18	7.09–8	SU[c]
Phosphorus, Orthophosphate (Expressed as PO4)	Water	6	6	120–230	µG/l
Rubidium	Water	6	6	5–100	µG/l
Silicon	Water	17	17	18200–29400	µG/l
Silicon Dioxide	Water	6	6	38900–62900	µG/l
Solids, Total Dissolved	Water	18	18	140000–274410	µG/l
Solids, Total Suspended	Water	12	2	5000–62000	µG/l
Strontium	Water	6	6	100–110	µG/l
Thiosulfate	Water	6	0	[10]	µG/l
Tin	Water	6	0	[5]	µG/l
Titanium	Water	6	6	57–110	µG/l
Turbidity	Water	12	12	1–42	NTU[d]

[a] Brackets indicate the value is below detection limits, although some analytes may be detected at values within this range.

[b] UMHOS= micro-mhos.

[c] SU = standard unit

[d] NTU = nephelometric turbidity unit.

Table 4.4-16 (b)

Frequency of Detects for Inorganic Major and Trace Constituents in the 6010 Metals Suite for FY 1997 Quarterly Sampling Data

Analyte	Media	Number of Analyses	Number of Detects	Concentration Range (µG/l)
Aluminum	water	33	30	[100][a]–5900
Antimony	water	33	0	[1–50]
Arsenic	water	27	6	[2]–30
Barium	water	33	33	19–410
Beryllium	water	33	0	[0.4–4]
Cadmium	water	33	0	[0.4–5]
Calcium	water	39	38	[200]–30000
Chromium, total	water	33	15	1.2–[10]
Cobalt	water	33	3	[0.9]–20
Copper	water	33	4	[0.9–20]
Iron	water	33	27	[10]–2500
Lead	water	33	15	1–4
Magnesium	water	33	29	4200–[6900]
Manganese	water	33	22	1.3–120
Mercury	water	33	0	[0.02–0.5]
Nickel	water	33	5	[1.6–40]
Potassium	water	40	40	2000–4000
Selenium	water	39	1	[1–10]
Silver	water	33	2	1–[10]
Sodium	water	40	38	13000–33000
Thallium	water	33	1	[2–8.5]
Vanadium	water	33	18	3.2–[10]
Zinc	water	34	8	[0.9]–130

[a] Brackets indicate the value is below detection limits, although some analytes may be detected at values within this range.

Table 4.4-17 (a)
Major and Minor Constituents in TA-16 Springs — Historic Data

Sample ID	Description	Date	Boron (ppm)	Bromine (ppm)	Calcium (ppm)	Chloride (ppm)	Fluoride (ppm)	Bicarbonate (ppm)	Lithium (ppm)	Magnesium (ppm)	Potassium (ppm)	Sodium (ppm)	Silicate (ppm) calc	Sulfate (ppm)	Strontium (ppm)	Total dissolved solvents (ppm)	Cation sum	Anion Sum
Springs																		
PP94-50	Burning Ground Spring	4/15/94	0.01	0.08	18.7	21.8	0.20	87.4	<0.01	4.86	3.30	21.4	49.86	8.31	0.14	220.5	2.461	2.279
NMED	Burning Ground Spring	8/12/94	<0.1	NA[a]	20	15	0.2	92	NA	4.9	5	19	NC[b]	10	0.1	NC	NC	NC
NMED	Burning Ground Spring	3/17/95	<0.01	<0.4	14	19	<0.5	85	<0.01	4.5	3	25	NC	30	<0.01	180	NC	NC
SSite96-5	Burning Ground Spring	3/01/96	0.021	0.09	17.5	16.6	0.16	104	<0.01	5.03	3.33	25.4	47.72	9.84	0.11	206.8	0.121	4.851
SSite96-17	Burning Ground Spring	4/10/96	0.021	0.07	16.4	14.3	0.14	100	<0.01	4.71	3.26	24.0	46.44	9.02	0.11	223.8	2.396	2.313
NMED	Martin Spring	5/12/95	1.4	<0.5	24	19	<0.5	104	<0.01	6	3	22	NC	20	0.12	200	NC	NC
PP95-132	Martin Spring	7/21/95	1.58	0.13	24.6	20.2	0.61	122	0.01	5.71	3.31	30.9	47.08	17.9	0.13	290.2	3.164	3.298
SSite96-4	Martin Spring	3/01/96	1.81	0.16	28.1	20.6	0.70	130	0.01	6.45	2.89	34.1	51.36	20.7	0.14	275.3	0.552	6.047
SSite96-15	Martin Spring	4/10/96	1.81	0.16	28.1	20.3	0.67	137	0.01	6.47	2.85	36.4	52.00	21.0	0.16	325.9	3.618	3.675
PP94-74	SWSC Spring	8/12/94	0.026	0.09	18.4	17.3	0.18	92.9	<0.01	4.97	3.04	20.2	45.37	10.2	0.13	219	2.318	2.322
NMED	SWSC Spring	8/12/94	<0.1	NA	18	15	0.2	90	NA	5.4	5	19	NC	10	0.1	NC	NC	NC
NMED	SWSC Spring	3/17/95	<0.01	<0.4	16	19	<0.5	80	<0.01	4.8	3	24	NC	31	<0.01	174	NC	NC
SSite96-18	SWSC Spring	4/10/96	0.029	0.09	16.3	14.3	0.13	100	<0.01	4.83	3.26	24.8	46.44	9.18	0.11	225.2	2.419	2.324
SSite96-6	SWSC Spring	3/01/96	0.033	0.10	18.2	16.8	0.16	104	<0.01	5.19	3.38	25.4	44.94	10.1	0.12	206.6	0.132	4.851

[a] NA = Not analyzed.

[b] NC = Not calculated.

Table 4.4-17 (b)
Major and Minor Constituents in TA-16 Springs–Historic Data

Sample ID	Description	Date	Silver (ppm)	Aluminum (ppm)	Arsenic (ppm)	Barium (ppm)	Cadmium (ppm)	Chromium (ppm)	Cesium (ppm)	Copper (ppm)	Iron (ppm)	Mercury (ppm)	Iodine (ppm)	Manganese (ppm)	Molybdenum (ppm)	Ammonium (ppm)	Nickel (ppm)	Nitrite (ppm)	Nitrate (ppm)	Lead (ppm)	Phosphate (ppm)	Rubidium (ppm)	Antimony (ppm)	Selenium (ppm)	Zinc (ppm)
Springs																									
PP94-50	Burning Ground Spring	4/15/94	<0.0005	0.75	0.0006	0.29	0.0003	<0.002	<0.002	0.004	0.31	0.0002	<0.01	<0.01	<0.002	0.10	0.005	<0.02	2.91	0.003	<0.05	0.005	<0.0002	<0.0002	0.01
NMED	Burning Ground Spring	8/12/94	<0.1	0.4	0.0005	0.3	<0.001	0.002	NA[a]	<0.01	0.3	<0.0005	NA	<0.05	<0.001	NA	<0.1	NA	1.1	<0.001	NA	NA	NA	<0.005	<0.1
NMED	Burning Ground Spring	3/17/95	<0.01	0.4	<0.005	0.3	<0.005	<0.01	NA	<0.01	0.1	<0.0002	NA	<0.01	<0.01	NA	<0.02	NA	NA	<0.003	NA	NA	<0.06	<0.005	<0.02
SSite96-5	Burning Ground Spring	3/01/96	0.0004	0.55	0.0035	0.23	<0.001	<0.002	<0.002	0.004	0.22	0.0002	<0.01	<0.01	0.002	0.05	<0.002	<0.02	3.91	<0.002	0.44	0.005	<0.0002	<0.0002	0.01
SSite96-17	Burning Ground Spring	4/10/96	<0.0002	0.41	0.0009	0.21	<0.0002	<0.002	0.003	<0.002	0.16	<0.0002	<0.01	<0.01	0.003	0.05	0.002	<0.01	4.08	<0.002	0.42	0.006	<0.0001	<0.0001	<0.01
NMED	Martin Spring	5/12/95	<0.01	<0.2	<0.01	0.2	<0.005	<0.01	NA	<0.01	<0.1	<0.003	NA	<0.01	<0.01	NA	<0.02	NA	NA	<0.003	NA	NA	<0.02	<0.005	<0.02
PP95-132	Martin Spring	7/21/95	<0.0005	0.16	0.0013	0.17	<0.0002	<0.002	<0.002	<0.002	0.06	<0.0002	<0.01	<0.01	0.007	0.19	<0.002	0.04	15.2	<0.002	0.21	0.003	<0.0002	<0.0002	0.01
SSite96-4	Martin Spring	3/01/96	<0.0002	0.08	0.0019	0.19	<0.001	<0.002	<0.002	0.005	0.04	0.0006	0.04	<0.01	0.009	0.10	0.003	<0.02	18.3	<0.002	0.28	0.002	<0.0002	<0.0002	0.01
SSite96-15	Martin Spring	4/10/96	<0.0002	0.16	0.0018	0.19	<0.0002	0.002	0.002	<0.002	0.01	<0.0002	0.03	<0.01	0.010	0.03	<0.002	<0.01	18.3	<0.002	0.21	0.004	0.0001	<0.0001	<0.01
PP94-74	SWSC Spring	8/12/94	<0.0005	0.09	<0.0005	0.32	0.0006	<0.002	<0.002	0.018	0.07	<0.0002	<0.01	0.06	<0.002	0.15	0.003	<0.01	5.32	<0.002	0.09	0.002	<0.0002	<0.0002	0.10
NMED	SWSC Spring	8/12/94	<0.1	0.3	0.001	0.3	<0.001	<0.001	NA	<0.01	0.2	<0.0005	NA	<0.001	<0.1	NA	<0.1	NA	1	<0.001	NA	NA	NA	<0.005	0.02
NMED	SWSC Spring	3/17/95	<0.01	0.9	<0.005	0.3	<0.005	<0.01	NA	<0.01	0.4	<0.0002	NA	<0.01	<0.01	NA	<0.02	NA	NA	<0.003	NA	NA	<0.06	<0.005	0.04
Ssite96-18	SWSC Spring	4/10/96	<0.0002	0.29	0.0016	0.27	<0.0002	<0.002	0.002	<0.002	0.10	<0.0002	<0.01	<0.01	0.003	0.04	<0.002	<0.01	4.60	<0.002	0.41	0.005	<0.0001	<0.0001	<0.01
SSite96-6	SWSC Spring	3/01/96	0.0003	0.52	0.0016	0.28	<0.001	<0.002	<0.002	0.003	0.22	<0.0002	<0.01	<0.01	0.002	0.07	0.004	0.07	4.31	<0.002	0.33	0.006	<0.0002	<0.0002	0.01

[a] NA = Not analyzed.

Table 4.4-18 (a)
Inorganic Constituents in TA-16 Springs — Quarterly Sampling Data

Analyte	Location ID[a]	Sample ID	Sample Concentration (µG/l)	Media	Collection Date	Field Prep
Aluminum	16-2650	0316-96-3002	413	Water	21-Dec-96	Unfiltered
	16-2650	0316-97-3000	2250	Water	31-Mar-97	Filtered
	16-2650	0316-97-3001	3080	Water	31-Mar-97	Unfiltered
	16-2650	0316-97-3002	3580(NV)[b]	Water	31-Mar-97	Filtered
	16-2650	0316-97-3009	5310(NV)	Water	31-Mar-97	Unfiltered
	16-2650	0316-97-3012	173(J)[c]	Water	27-Jun-97	Filtered
	16-2650	0316-97-3013	299	Water	27-Jun-97	Unfiltered
	16-2650	0316-97-3111	4000	Water	19-Sep-97	Unfiltered
	16-2650	0316-97-3101	1700	Water	19-Sep-97	Filtered
	16-2650	0316-97-3186	200	Water	20-Dec-97	Unfiltered
	16-2651	0316-96-3001	1190	Water	21-Dec-96	Unfiltered
	16-2651	0316-97-3003	2230	Water	31-Mar-97	Filtered
	16-2651	0316-97-3004	3870	Water	31-Mar-97	Unfiltered
	16-2651	0316-97-3005	3080(NV)	Water	31-Mar-97	Filtered
	16-2651	0316-97-3010	5900(NV)	Water	31-Mar-97	Unfiltered
	16-2651	0316-97-3020	641	Water	27-Jun-97	Filtered
	16-2651	0316-97-3021	1080	Water	27-Jun-97	Unfiltered
	16-2651	0316-97-3108	2400	Water	22-Sep-97	Unfiltered
	16-2651	0316-97-3109	2000	Water	22-Sep-97	Filtered
	16-2651	0316-97-3188	2400	Water	20-Dec-97	Unfiltered
	16-2652	0316-96-3000	1020	Water	21-Dec-96	Unfiltered
	16-2652	0316-97-3006	2540	Water	31-Mar-97	Filtered
	16-2652	0316-97-3007	3170	Water	31-Mar-97	Unfiltered
	16-2652	0316-97-3008	3290(NV)	Water	31-Mar-97	Filtered
	16-2652	0316-97-3011	5410(NV)	Water	31-Mar-97	Unfiltered
	16-2652	0316-97-3016	952	Water	27-Jun-97	Filtered
	16-2652	0316-97-3017	1220	Water	27-Jun-97	Unfiltered
	16-2652	0316-97-3104	1600	Water	19-Sep-97	Unfiltered
	16-2652	0316-97-3105	1800	Water	19-Sep-97	Filtered
	16-2652	0316-97-3190	600	Water	20-Dec-97	Unfiltered
Arsenic	16-2650	0316-97-3111	24	Water	19-Sep-97	Unfiltered
	16-2650	0316-97-3101	23	Water	19-Sep-97	Filtered
	16-2651	0316-97-3108	27	Water	22-Sep-97	Unfiltered
	16-2651	0316-97-3109	26	Water	22-Sep-97	Filtered
	16-2652	0316-97-3104	17	Water	19-Sep-97	Unfiltered
	16-2652	0316-97-3105	30	Water	19-Sep-97	Filtered
Barium	16-2650	0316-96-3002	171(J)	Water	21-Dec-96	Unfiltered
	16-2650	0316-97-3000	160(J)	Water	31-Mar-97	Filtered

Table 4.4-18 (a) (continued)

Analyte	Location ID[a]	Sample ID	Sample Concentration (µG/l)	Media	Collection Date	Field Prep
Barium (continued)	16-2650	0316-97-3001	161(J)	Water	31-Mar-97	Unfiltered
	16-2650	0316-97-3002	140(NV)	Water	31-Mar-97	Filtered
	16-2650	0316-97-3009	150(NV)	Water	31-Mar-97	Unfiltered
	16-2650	0316-97-3012	166(J)	Water	27-Jun-97	Filtered
	16-2650	0316-97-3013	167(J)	Water	27-Jun-97	Unfiltered
	16-2650	0316-97-3111	140	Water	19-Sep-97	Unfiltered
	16-2650	0316-97-3101	120	Water	19-Sep-97	Filtered
	16-2650	0316-97-3185	19	Water	20-Dec-97	Filtered
	16-2650	0316-97-3186	180	Water	20-Dec-97	Unfiltered
	16-2651	0316-96-3001	253	Water	21-Dec-96	Unfiltered
	16-2651	0316-97-3003	302	Water	31-Mar-97	Filtered
	16-2651	0316-97-3004	329	Water	31-Mar-97	Unfiltered
	16-2651	0316-97-3005	280(NV)	Water	31-Mar-97	Filtered
	16-2651	0316-97-3010	320(NV)	Water	31-Mar-97	Unfiltered
	16-2651	0316-97-3020	239	Water	27-Jun-97	Filtered
	16-2651	0316-97-3021	246	Water	27-Jun-97	Unfiltered
	16-2651	0316-97-3108	290	Water	22-Sep-97	Unfiltered
	16-2651	0316-97-3109	280	Water	22-Sep-97	Filtered
	16-2651	0316-97-3187	290	Water	20-Dec-97	Filtered
	16-2651	0316-97-3188	410	Water	20-Dec-97	Unfiltered
	16-2652	0316-96-3000	263	Water	21-Dec-96	Unfiltered
	16-2652	0316-97-3006	237	Water	31-Mar-97	Filtered
	16-2652	0316-97-3007	244	Water	31-Mar-97	Unfiltered
	16-2652	0316-97-3008	230(NV)	Water	31-Mar-97	Filtered
	16-2652	0316-97-3011	230(NV)	Water	31-Mar-97	Unfiltered
	16-2652	0316-97-3016	198(J)	Water	27-Jun-97	Filtered
	16-2652	0316-97-3017	200	Water	27-Jun-97	Unfiltered
	16-2652	0316-97-3104	220	Water	19-Sep-97	Unfiltered
	16-2652	0316-97-3105	220	Water	19-Sep-97	Filtered
	16-2652	0316-97-3189	270	Water	20-Dec-97	Filtered
	16-2652	0316-97-3190	280	Water	20-Dec-97	Unfiltered
Calcium	16-2650	0316-96-3002	25900	Water	21-Dec-96	Unfiltered
	16-2650	0316-97-3000	22900	Water	31-Mar-97	Filtered
	16-2650	0316-97-3001	22400	Water	31-Mar-97	Unfiltered
	16-2650	0316-97-3002	22300(NV)	Water	31-Mar-97	Filtered
	16-2650	0316-97-3009	22600(NV)	Water	31-Mar-97	Unfiltered
	16-2650	0316-97-3012	27900	Water	27-Jun-97	Filtered
	16-2650	0316-97-3013	27900	Water	27-Jun-97	Unfiltered

Table 4.4-18 (a) (continued)

Analyte	Location ID[a]	Sample ID	Sample Concentration (µG/l)	Media	Collection Date	Field Prep
Calcium (continued)	16-2650	0316-97-3014	28000(NV)	Water	27-Jun-97	Filtered
	16-2650	0316-97-3015	28100(NV)	Water	27-Jun-97	Unfiltered
	16-2650	0316-97-3101	19000	Water	19-Sep-97	Filtered
	16-2650	0316-97-3185	30000	Water	20-Dec-97	Filtered
	16-2650	0316-97-3186	30000	Water	20-Dec-97	Unfiltered
	16-2651	0316-96-3001	16700	Water	21-Dec-96	Unfiltered
	16-2651	0316-97-3003	16200	Water	31-Mar-97	Filtered
	16-2651	0316-97-3004	17100	Water	31-Mar-97	Unfiltered
	16-2651	0316-97-3005	15700(NV)	Water	31-Mar-97	Filtered
	16-2651	0316-97-3010	16000(NV)	Water	31-Mar-97	Unfiltered
	16-2651	0316-97-3020	14800	Water	27-Jun-97	Filtered
	16-2651	0316-97-3021	14900	Water	27-Jun-97	Unfiltered
	16-2651	0316-97-3022	14800(NV)	Water	27-Jun-97	Filtered
	16-2651	0316-97-3023	14700(NV)	Water	27-Jun-97	Unfiltered
	16-2651	0316-97-3108	16000	Water	22-Sep-97	Unfiltered
	16-2651	0316-97-3109	17000	Water	22-Sep-97	Filtered
	16-2651	0316-97-3187	17000	Water	20-Dec-97	Filtered
	16-2651	0316-97-3188	19000	Water	20-Dec-97	Unfiltered
	16-2652	0316-96-3000	16800	Water	21-Dec-96	Unfiltered
	16-2652	0316-97-3006	16000	Water	31-Mar-97	Filtered
	16-2652	0316-97-3007	15600	Water	31-Mar-97	Unfiltered
	16-2652	0316-97-3008	15700(NV)	Water	31-Mar-97	Filtered
	16-2652	0316-97-3011	15300(NV)	Water	31-Mar-97	Unfiltered
	16-2652	0316-97-3016	14700	Water	27-Jun-97	Filtered
	16-2652	0316-97-3017	14900	Water	27-Jun-97	Unfiltered
	16-2652	0316-97-3018	14800(NV)	Water	27-Jun-97	Filtered
	16-2652	0316-97-3019	14900(NV)	Water	27-Jun-97	Unfiltered
	16-2652	0316-97-3104	16000	Water	19-Sep-97	Unfiltered
	16-2652	0316-97-3105	16000	Water	19-Sep-97	Filtered
	16-2652	0316-97-3189	17000	Water	20-Dec-97	Filtered
	16-2652	0316-97-3190	17000	Water	20-Dec-97	Unfiltered
Chromium, Total	16-2650	0316-97-3001	3.1(J)	Water	31-Mar-97	Unfiltered
	16-2650	0316-97-3002	3(NV)	Water	31-Mar-97	Filtered
	16-2650	0316-97-3009	6(NV)	Water	31-Mar-97	Unfiltered
	16-2650	0316-97-3012	1.7(J)	Water	27-Jun-97	Filtered
	16-2650	0316-97-3013	2.2(J)	Water	27-Jun-97	Unfiltered
	16-2651	0316-97-3003	2.7(J)	Water	31-Mar-97	Filtered
	16-2651	0316-97-3004	4.3(J)	Water	31-Mar-97	Unfiltered
	16-2651	0316-97-3005	2(NV)	Water	31-Mar-97	Filtered

Table 4.4-18 (a) (continued)

Analyte	Location ID[a]	Sample ID	Sample Concentration (µG/l)	Media	Collection Date	Field Prep
Chromium, total (continued)	16-2651	0316-97-3010	6(NV)	Water	31-Mar-97	Unfiltered
	16-2651	0316-97-3020	1.2(J)	Water	27-Jun-97	Filtered
	16-2651	0316-97-3021	1.8(J)	Water	27-Jun-97	Unfiltered
	16-2652	0316-97-3008	2(NV)	Water	31-Mar-97	Filtered
	16-2652	0316-97-3011	6(NV)	Water	31-Mar-97	Unfiltered
	16-2652	0316-97-3016	1.6(J)	Water	27-Jun-97	Filtered
	16-2652	0316-97-3017	1.6(J)	Water	27-Jun-97	Unfiltered
Cobalt	16-2650	0316-97-3002	2(NV)	Water	31-Mar-97	Filtered
	16-2650	0316-97-3186	20	Water	20-Dec-97	Unfiltered
	16-2651	0316-97-3003	3.2(J)	Water	31-Mar-97	Filtered
Copper	16-2650	0316-97-3009	8(NV)	Water	31-Mar-97	Unfiltered
	16-2651	0316-97-3004	11.5(J)	Water	31-Mar-97	Unfiltered
	16-2651	0316-97-3010	8(NV)	Water	31-Mar-97	Unfiltered
	16-2652	0316-97-3011	8(NV)	Water	31-Mar-97	Unfiltered
Iron	16-2650	0316-96-3002	199	Water	21-Dec-96	Unfiltered
	16-2650	0316-97-3000	1390	Water	31-Mar-97	Filtered
	16-2650	0316-97-3001	1930	Water	31-Mar-97	Unfiltered
	16-2650	0316-97-3002	1510(NV)	Water	31-Mar-97	Filtered
	16-2650	0316-97-3009	2300(NV)	Water	31-Mar-97	Unfiltered
	16-2650	0316-97-3012	172	Water	27-Jun-97	Filtered
	16-2650	0316-97-3013	253	Water	27-Jun-97	Unfiltered
	16-2650	0316-97-3111	2500	Water	19-Sep-97	Unfiltered
	16-2650	0316-97-3101	880	Water	19-Sep-97	Filtered
	16-2651	0316-96-3001	508	Water	21-Dec-96	Unfiltered
	16-2651	0316-97-3003	1640	Water	31-Mar-97	Filtered
	16-2651	0316-97-3004	2430	Water	31-Mar-97	Unfiltered
	16-2651	0316-97-3005	1160(NV)	Water	31-Mar-97	Filtered
	16-2651	0316-97-3010	2460(NV)	Water	31-Mar-97	Unfiltered
	16-2651	0316-97-3020	359	Water	27-Jun-97	Filtered
	16-2651	0316-97-3021	639	Water	27-Jun-97	Unfiltered
	16-2651	0316-97-3108	1300	Water	22-Sep-97	Unfiltered
	16-2651	0316-97-3109	990	Water	22-Sep-97	Filtered
	16-2652	0316-96-3000	425	Water	21-Dec-96	Unfiltered
	16-2652	0316-97-3006	1390	Water	31-Mar-97	Filtered
	16-2652	0316-97-3007	1840	Water	31-Mar-97	Unfiltered
	16-2652	0316-97-3008	1440(NV)	Water	31-Mar-97	Filtered
	16-2652	0316-97-3011	2240(NV)	Water	31-Mar-97	Unfiltered
	16-2652	0316-97-3016	484	Water	27-Jun-97	Filtered
	16-2652	0316-97-3017	637	Water	27-Jun-97	Unfiltered

Table 4.4-18 (a) (continued)

Analyte	Location ID[a]	Sample ID	Sample Concentration (µG/l)	Media	Collection Date	Field Prep
Iron (continued)	16-2652	0316-97-3104	810	Water	19-Sep-97	Unfiltered
	16-2652	0316-97-3105	720	Water	19-Sep-97	Filtered
Lead	16-2650	0316-97-3101	2(J)	Water	19-Sep-97	Filtered
	16-2650	0316-97-3111	3(J)	Water	19-Sep-97	Unfiltered
	16-2650	0316-97-3185	1	Water	20-Dec-97	Filtered
	16-2650	0316-97-3186	2	Water	20-Dec-97	Unfiltered
	16-2651	0316-96-3001	2.8(J)	Water	21-Dec-96	Unfiltered
	16-2651	0316-97-3010	3(NV)	Water	31-Mar-97	Unfiltered
	16-2651	0316-97-3108	2(J)	Water	22-Sep-97	Unfiltered
	16-2651	0316-97-3109	1(J)	Water	22-Sep-97	Filtered
	16-2651	0316-97-3187	4	Water	20-Dec-97	Filtered
	16-2651	0316-97-3188	2	Water	20-Dec-97	Unfiltered
	16-2652	0316-97-3011	3(NV)	Water	31-Mar-97	Unfiltered
	16-2652	0316-97-3104	2(J)	Water	19-Sep-97	Unfiltered
	16-2652	0316-97-3105	1(J)	Water	19-Sep-97	Filtered
	16-2652	0316-97-3189	3	Water	20-Dec-97	Filtered
	16-2652	0316-97-3190	1	Water	20-Dec-97	Unfiltered
Magnesium	16-2650	0316-96-3002	6070	Water	21-Dec-96	Unfiltered
	16-2650	0316-97-3000	5810	Water	31-Mar-97	Filtered
	16-2650	0316-97-3001	5780	Water	31-Mar-97	Unfiltered
	16-2650	0316-97-3002	5690(NV)	Water	31-Mar-97	Filtered
	16-2650	0316-97-3009	5900(NV)	Water	31-Mar-97	Unfiltered
	16-2650	0316-97-3012	6370	Water	27-Jun-97	Filtered
	16-2650	0316-97-3013	6380	Water	27-Jun-97	Unfiltered
	16-2650	0316-97-3111	4500	Water	19-Sep-97	Unfiltered
	16-2650	0316-97-3101	4200	Water	19-Sep-97	Filtered
	16-2650	0316-97-3186	6800	Water	20-Dec-97	Unfiltered
	16-2651	0316-96-3001	4970(J)	Water	21-Dec-96	Unfiltered
	16-2651	0316-97-3003	5040	Water	31-Mar-97	Filtered
	16-2651	0316-97-3004	5400	Water	31-Mar-97	Unfiltered
	16-2651	0316-97-3005	4810(NV)	Water	31-Mar-97	Filtered
	16-2651	0316-97-3010	5030(NV)	Water	31-Mar-97	Unfiltered
	16-2651	0316-97-3020	4380(J)	Water	27-Jun-97	Filtered
	16-2651	0316-97-3021	4400(J)	Water	27-Jun-97	Unfiltered
	16-2651	0316-97-3108	4400	Water	22-Sep-97	Unfiltered
	16-2651	0316-97-3109	4400	Water	22-Sep-97	Filtered
	16-2652	0316-96-3000	4900(J)	Water	21-Dec-96	Unfiltered
	16-2652	0316-97-3006	4920(J)	Water	31-Mar-97	Filtered
	16-2652	0316-97-3007	4890(J)	Water	31-Mar-97	Unfiltered

Table 4.4-18 (a) (continued)

Analyte	Location ID[a]	Sample ID	Sample Concentration (µG/l)	Media	Collection Date	Field Prep
Magnesium (continued)	16-2652	0316-97-3008	4900(NV)	Water	31-Mar-97	Filtered
	16-2652	0316-97-3011	4760(NV)	Water	31-Mar-97	Unfiltered
	16-2652	0316-97-3016	4310(J)	Water	27-Jun-97	Filtered
	16-2652	0316-97-3017	4350(J)	Water	27-Jun-97	Unfiltered
	16-2652	0316-97-3104	4200	Water	19-Sep-97	Unfiltered
	16-2652	0316-97-3105	4200	Water	19-Sep-97	Filtered
	16-2652	0316-97-3189	4800	Water	20-Dec-97	Filtered
Manganese	16-2650	0316-97-3000	7.7(J)	Water	31-Mar-97	Filtered
	16-2650	0316-97-3001	10.3(J)	Water	31-Mar-97	Unfiltered
	16-2650	0316-97-3002	7(NV)	Water	31-Mar-97	Filtered
	16-2650	0316-97-3009	10(NV)	Water	31-Mar-97	Unfiltered
	16-2650	0316-97-3012	1.3(J)	Water	27-Jun-97	Filtered
	16-2650	0316-97-3013	1.7(J)	Water	27-Jun-97	Unfiltered
	16-2650	0316-97-3111	10	Water	19-Sep-97	Unfiltered
	16-2651	0316-97-3003	8.8(J)	Water	31-Mar-97	Filtered
	16-2651	0316-97-3004	20.3	Water	31-Mar-97	Unfiltered
	16-2651	0316-97-3005	6(NV)	Water	31-Mar-97	Filtered
	16-2651	0316-97-3010	31(NV)	Water	31-Mar-97	Unfiltered
	16-2651	0316-97-3020	3.4(J)	Water	27-Jun-97	Filtered
	16-2651	0316-97-3021	8.2(J)	Water	27-Jun-97	Unfiltered
	16-2651	0316-97-3108	20	Water	22-Sep-97	Unfiltered
	16-2651	0316-97-3187	70	Water	20-Dec-97	Filtered
	16-2651	0316-97-3188	120	Water	20-Dec-97	Unfiltered
	16-2652	0316-97-3006	8.1(J)	Water	31-Mar-97	Filtered
	16-2652	0316-97-3007	10(J)	Water	31-Mar-97	Unfiltered
	16-2652	0316-97-3008	8(NV)	Water	31-Mar-97	Filtered
	16-2652	0316-97-3011	12(NV)	Water	31-Mar-97	Unfiltered
	16-2652	0316-97-3016	2.9(J)	Water	27-Jun-97	Filtered
	16-2652	0316-97-3017	6.5(J)	Water	27-Jun-97	Unfiltered
Nickel	16-2650	0316-96-3002	15	Water	21-Dec-96	Unfiltered
	16-2651	0316-97-3005	2(NV)	Water	31-Mar-97	Filtered
	16-2651	0316-97-3010	4(NV)	Water	31-Mar-97	Unfiltered
	16-2652	0316-97-3008	4(NV)	Water	31-Mar-97	Filtered
	16-2652	0316-97-3011	4(NV)	Water	31-Mar-97	Unfiltered
Potassium	16-2650	0316-96-3002	2690(J)	Water	21-Dec-96	Unfiltered
	16-2650	0316-97-3000	2360(J)	Water	31-Mar-97	Filtered
	16-2650	0316-97-3001	3000(J)	Water	31-Mar-97	Unfiltered
	16-2650	0316-97-3002	3230(NV)	Water	31-Mar-97	Filtered
	16-2650	0316-97-3009	3220(NV)	Water	31-Mar-97	Unfiltered

Table 4.4-18 (a) (continued)

Analyte	Location ID[a]	Sample ID	Sample Concentration (µG/l)	Media	Collection Date	Field Prep
Potassium (continued)	16-2650	0316-97-3012	2810(J)	Water	27-Jun-97	Filtered
	16-2650	0316-97-3013	2860(J)	Water	27-Jun-97	Unfiltered
	16-2650	0316-97-3014	2840(NV)	Water	27-Jun-97	Filtered
	16-2650	0316-97-3015	2910(NV)	Water	27-Jun-97	Unfiltered
	16-2650	0316-97-3101	2000	Water	19-Sep-97	Filtered
	16-2650	0316-97-3111	2000	Water	19-Sep-97	Unfiltered
	16-2650	0316-97-3185	3000	Water	20-Dec-97	Filtered
	16-2650	0316-97-3186	3000	Water	20-Dec-97	Unfiltered
	16-2651	0316-96-3001	2990(J)	Water	21-Dec-96	Unfiltered
	16-2651	0316-97-3003	3550(J)	Water	31-Mar-97	Filtered
	16-2651	0316-97-3004	2770(J)	Water	31-Mar-97	Unfiltered
	16-2651	0316-97-3005	3410(NV)	Water	31-Mar-97	Filtered
	16-2651	0316-97-3010	3580(NV)	Water	31-Mar-97	Unfiltered
	16-2651	0316-97-3020	2920(J)	Water	27-Jun-97	Filtered
	16-2651	0316-97-3021	2960(J)	Water	27-Jun-97	Unfiltered
	16-2651	0316-97-3022	2970(NV)	Water	27-Jun-97	Filtered
	16-2651	0316-97-3023	2950(NV)	Water	27-Jun-97	Unfiltered
	16-2651	0316-97-3108	3000	Water	22-Sep-97	Unfiltered
	16-2651	0316-97-3109	2000	Water	22-Sep-97	Filtered
	16-2651	0316-97-3187	3000	Water	20-Dec-97	Filtered
	16-2651	0316-97-3188	4000	Water	20-Dec-97	Unfiltered
	16-2652	0316-96-3000	2910(J)	Water	21-Dec-96	Unfiltered
	16-2652	0316-97-3006	2680(J)	Water	31-Mar-97	Filtered
	16-2652	0316-97-3007	3080(J)	Water	31-Mar-97	Unfiltered
	16-2652	0316-97-3008	3380(NV)	Water	31-Mar-97	Filtered
	16-2652	0316-97-3011	3380(NV)	Water	31-Mar-97	Unfiltered
	16-2652	0316-97-3016	2930(J)	Water	27-Jun-97	Filtered
	16-2652	0316-97-3017	2970(J)	Water	27-Jun-97	Unfiltered
	16-2652	0316-97-3018	2970(NV)	Water	27-Jun-97	Filtered
	16-2652	0316-97-3019	2960(NV)	Water	27-Jun-97	Unfiltered
	16-2652	0316-97-3104	3000	Water	19-Sep-97	Unfiltered
	16-2652	0316-97-3105	3000	Water	19-Sep-97	Filtered
	16-2652	0316-97-3189	3000	Water	20-Dec-97	Filtered
	16-2652	0316-97-3190	3000	Water	20-Dec-97	Unfiltered
Selenium	16-2650	0316-97-3001	3.7(J)	Water	31-Mar-97	Unfiltered
Silver	16-2651	0316-97-3010	1(NV)	Water	31-Mar-97	Unfiltered
	16-2652	0316-97-3011	1(NV)	Water	31-Mar-97	Unfiltered
Sodium	16-2650	0316-96-3002	32500	Water	21-Dec-96	Unfiltered
	16-2650	0316-97-3000	27300	Water	31-Mar-97	Filtered

Table 4.4-18 (a) (continued)

Analyte	Location ID[a]	Sample ID	Sample Concentration (µG/l)	Media	Collection Date	Field Prep
Sodium (continued)	16-2650	0316-97-3001	26600	Water	31-Mar-97	Unfiltered
	16-2650	0316-97-3002	26600(NV)	Water	31-Mar-97	Filtered
	16-2650	0316-97-3009	26500(NV)	Water	31-Mar-97	Unfiltered
	16-2650	0316-97-3012	32500	Water	27-Jun-97	Filtered
	16-2650	0316-97-3013	32400	Water	27-Jun-97	Unfiltered
	16-2650	0316-97-3014	32500(NV)	Water	27-Jun-97	Filtered
	16-2650	0316-97-3015	32700(NV)	Water	27-Jun-97	Unfiltered
	16-2650	0316-97-3101	16000	Water	19-Sep-97	Filtered
	16-2650	0316-97-3185	33000	Water	20-Dec-97	Filtered
	16-2650	0316-97-3186	33000	Water	20-Dec-97	Unfiltered
	16-2651	0316-96-3001	20700	Water	21-Dec-96	Unfiltered
	16-2651	0316-97-3003	21000	Water	31-Mar-97	Filtered
	16-2651	0316-97-3004	21700	Water	31-Mar-97	Unfiltered
	16-2651	0316-97-3005	21100(NV)	Water	31-Mar-97	Filtered
	16-2651	0316-97-3010	20300(NV)	Water	31-Mar-97	Unfiltered
	16-2651	0316-97-3020	15400	Water	27-Jun-97	Filtered
	16-2651	0316-97-3021	15400	Water	27-Jun-97	Unfiltered
	16-2651	0316-97-3022	15400(NV)	Water	27-Jun-97	Filtered
	16-2651	0316-97-3023	15500(NV)	Water	27-Jun-97	Unfiltered
	16-2651	0316-97-3108	13000	Water	22-Sep-97	Unfiltered
	16-2651	0316-97-3109	13000	Water	22-Sep-97	Filtered
	16-2651	0316-97-3187	18000	Water	20-Dec-97	Filtered
	16-2651	0316-97-3188	19000	Water	20-Dec-97	Unfiltered
	16-2652	0316-96-3000	19900	Water	21-Dec-96	Unfiltered
	16-2652	0316-97-3006	21000	Water	31-Mar-97	Filtered
	16-2652	0316-97-3007	20700	Water	31-Mar-97	Unfiltered
	16-2652	0316-97-3008	21000(NV)	Water	31-Mar-97	Filtered
	16-2652	0316-97-3011	19800(NV)	Water	31-Mar-97	Unfiltered
	16-2652	0316-97-3016	15000	Water	27-Jun-97	Filtered
	16-2652	0316-97-3017	14900	Water	27-Jun-97	Unfiltered
	16-2652	0316-97-3018	15000(NV)	Water	27-Jun-97	Filtered
	16-2652	0316-97-3019	15100(NV)	Water	27-Jun-97	Unfiltered
	16-2652	0316-97-3104	13000	Water	19-Sep-97	Unfiltered
	16-2652	0316-97-3105	13000	Water	19-Sep-97	Filtered
	16-2652	0316-97-3189	18000	Water	20-Dec-97	Filtered
	16-2652	0316-97-3190	17000	Water	20-Dec-97	Unfiltered
Thallium	16-2650	0316-97-3000	4.1(J)	Water	31-Mar-97	Filtered
Vanadium	16-2650	0316-97-3000	7.2(J)	Water	31-Mar-97	Filtered
	16-2650	0316-97-3001	7.8(J)	Water	31-Mar-97	Unfiltered

Table 4.4-18 (a) (concluded)

Analyte	Location ID[a]	Sample ID	Sample Concentration (µG/l)	Media	Collection Date	Field Prep
Vanadium (continued)	16-2650	0316-97-3002	6(NV)	Water	31-Mar-97	Filtered
	16-2650	0316-97-3009	7(NV)	Water	31-Mar-97	Unfiltered
	16-2650	0316-97-3012	4.4(J)	Water	27-Jun-97	Filtered
	16-2650	0316-97-3013	5.1(J)	Water	27-Jun-97	Unfiltered
	16-2651	0316-97-3003	5.2(J)	Water	31-Mar-97	Filtered
	16-2651	0316-97-3004	6.5(J)	Water	31-Mar-97	Unfiltered
	16-2651	0316-97-3005	5(NV)	Water	31-Mar-97	Filtered
	16-2651	0316-97-3010	7(NV)	Water	31-Mar-97	Unfiltered
	16-2651	0316-97-3020	3.2(J)	Water	27-Jun-97	Filtered
	16-2651	0316-97-3021	4(J)	Water	27-Jun-97	Unfiltered
	16-2652	0316-97-3006	6.4(J)	Water	31-Mar-97	Filtered
	16-2652	0316-97-3007	4.4(J)	Water	31-Mar-97	Unfiltered
	16-2652	0316-97-3008	5(NV)	Water	31-Mar-97	Filtered
	16-2652	0316-97-3011	7(NV)	Water	31-Mar-97	Unfiltered
	16-2652	0316-97-3016	3.6(J)	Water	27-Jun-97	Filtered
	16-2652	0316-97-3017	3.8(J)	Water	27-Jun-97	Unfiltered
Zinc	16-2650	0316-97-3111	60	Water	19-Sep-97	Unfiltered
	16-2650	0316-97-3101	90(J)	Water	19-Sep-97	Filtered
	16-2650	0316-97-3111	60(J)	Water	19-Sep-97	Unfiltered
	16-2651	0316-97-3010	10(NV)	Water	31-Mar-97	Unfiltered
	16-2651	0316-97-3108	60(J)	Water	22-Sep-97	Unfiltered
	16-2651	0316-97-3109	130(J)	Water	22-Sep-97	Filtered
	16-2652	0316-97-3104	80(J)	Water	19-Sep-97	Unfiltered
	16-2652	0316-97-3105	90(J)	Water	19-Sep-97	Filtered

[a] Location ID 16-2650 = Martin Spring, Location ID 16-2651 = SWSC Spring, 16-2652 = Burning Ground Spring.

[b] NV = Not validated.

[c] J = The reported value is an estimated quantity.

Table 4.4-18 (b)

Major and Minor Constituents from the Water Quality Suite in TA-16 Springs—Quarterly Sampling Data

Analyte	Location ID[a]	Sample ID	Sample Concentration	Units	Media	Collection Date	Field Prep
Alkalinity, Total (Methyl Orange [pH=4.5] end point)	16-2650	0316-97-3014	95000(NV)[b]	µG/l	water	27-Jun-97	Filtered
	16-2650	0316-97-3015	87000(NV)	µG/l	water	27-Jun-97	Unfiltered
	16-2650	0316-97-3101	73000(NV)	µG/l	water	19-Sep-97	Filtered
	16-2650	0316-97-3111	66000(NV)	µG/l	water	19-Sep-97	Unfiltered
	16-2651	0316-97-3022	55000(NV)	µG/l	water	27-Jun-97	Filtered
	16-2651	0316-97-3023	69000(NV)	µG/l	water	27-Jun-97	Unfiltered
	16-2651	0316-97-3108	57000(NV)	µG/l	water	22-Sep-97	Unfiltered
	16-2651	0316-97-3109	61000(NV)	µG/l	water	22-Sep-97	Filtered
	16-2652	0316-97-3018	66000(NV)	µG/l	water	27-Jun-97	Filtered
	16-2652	0316-97-3019	67000(NV)	µG/l	water	27-Jun-97	Unfiltered
	16-2652	0316-97-3104	61000(NV)	µG/l	water	19-Sep-97	Unfiltered
	16-2652	0316-97-3105	64000(NV)	µG/l	water	19-Sep-97	Filtered
Bicarbonate	16-2650	0316-97-3002	99200(NV)	µG/l	water	31-Mar-97	Filtered
	16-2650	0316-97-3009	99800(NV)	µG/l	water	31-Mar-97	Unfiltered
	16-2651	0316-97-3005	79200(NV)	µG/l	water	31-Mar-97	Filtered
	16-2651	0316-97-3010	80200(NV)	µG/l	water	31-Mar-97	Unfiltered
	16-2652	0316-97-3008	78100(NV)	µG/l	water	31-Mar-97	Filtered
	16-2652	0316-97-3011	78300(NV)	µG/l	water	31-Mar-97	Unfiltered
Boron	16-2650	0316-97-3002	1340(NV)	µG/l	water	31-Mar-97	Filtered
	16-2650	0316-97-3009	1320(NV)	µG/l	water	31-Mar-97	Unfiltered
	16-2650	0316-97-3014	1800(NV)	µG/l	water	27-Jun-97	Filtered
	16-2650	0316-97-3015	1800(NV)	µG/l	water	27-Jun-97	Unfiltered
	16-2650	0316-97-3111	1500(NV)	µG/l	water	19-Sep-97	Unfiltered
	16-2651	0316-97-3005	40(NV)	µG/l	water	31-Mar-97	Filtered
	16-2651	0316-97-3010	40(NV)	µG/l	water	31-Mar-97	Unfiltered
	16-2651	0316-97-3022	35.9(NV)	µG/l	water	27-Jun-97	Filtered
	16-2651	0316-97-3023	50.7(NV)	µG/l	water	27-Jun-97	Unfiltered
	16-2652	0316-97-3008	20(NV)	µG/l	water	31-Mar-97	Filtered
	16-2652	0316-97-3011	20(NV)	µG/l	water	31-Mar-97	Unfiltered
	16-2652	0316-97-3018	47.9(NV)	µG/l	water	27-Jun-97	Filtered
	16-2652	0316-97-3019	31(NV)	µG/l	water	27-Jun-97	Unfiltered
Bromide	16-2650	0316-97-3002	110(NV)	µG/l	water	31-Mar-97	Filtered
	16-2650	0316-97-3009	110(NV)	µG/l	water	31-Mar-97	Unfiltered
	16-2651	0316-97-3005	40(NV)	µG/l	water	31-Mar-97	Filtered
	16-2651	0316-97-3010	70(NV)	µG/l	water	31-Mar-97	Unfiltered
	16-2652	0316-97-3008	70(NV)	µG/l	water	31-Mar-97	Filtered
	16-2652	0316-97-3011	60(NV)	µG/l	water	31-Mar-97	Unfiltered

Table 4.4-18 (b) (continued)

Analyte	Location ID[a]	Sample ID	Sample Concentration	Units	Media	Collection Date	Field Prep
Carbonate	16-2650	0316-97-3002	0(NV)	µG/l	water	31-Mar-97	Filtered
	16-2650	0316-97-3009	0(NV)	µG/l	water	31-Mar-97	Unfiltered
	16-2651	0316-97-3005	0(NV)	µG/l	water	31-Mar-97	Filtered
	16-2651	0316-97-3010	0(NV)	µG/l	water	31-Mar-97	Unfiltered
	16-2652	0316-97-3008	0(NV)	µG/l	water	31-Mar-97	Filtered
	16-2652	0316-97-3011	0(NV)	µG/l	water	31-Mar-97	Unfiltered
Cesium	16-2652	0316-97-3011	2(NV)	µG/l	water	31-Mar-97	Unfiltered
Chloride	16-2650	0316-97-3002	19700(NV)	µG/l	water	31-Mar-97	Filtered
	16-2650	0316-97-3009	19600(NV)	µG/l	water	31-Mar-97	Unfiltered
	16-2650	0316-97-3014	20000(NV)	µG/l	water	27-Jun-97	Filtered
	16-2650	0316-97-3015	21000(NV)	µG/l	water	27-Jun-97	Unfiltered
	16-2650	0316-97-3101	13000(NV)	µG/l	water	19-Sep-97	Filtered
	16-2650	0316-97-3111	11000(NV)	µG/l	water	19-Sep-97	Unfiltered
	16-2650	0316-97-3185	22000(NV)	µG/l	water	19-Dec-97	Filtered
	16-2650	0316-97-3186	19000(NV)	µG/l	water	19-Dec-97	Unfiltered
	16-2651	0316-97-3005	18000(NV)	µG/l	water	31-Mar-97	Filtered
	16-2651	0316-97-3010	17900(NV)	µG/l	water	31-Mar-97	Unfiltered
	16-2651	0316-97-3022	13000(NV)	µG/l	water	27-Jun-97	Filtered
	16-2651	0316-97-3023	13000(NV)	µG/l	water	27-Jun-97	Unfiltered
	16-2651	0316-97-3108	18000(NV)	µG/l	water	22-Sep-97	Unfiltered
	16-2651	0316-97-3109	18000(NV)	µG/l	water	22-Sep-97	Filtered
	16-2651	0316-97-3187	13000(NV)	µG/l	water	19-Dec-97	Filtered
	16-2651	0316-97-3188	13000(NV)	µG/l	water	19-Dec-97	Unfiltered
	16-2652	0316-97-3008	17800(NV)	µG/l	water	31-Mar-97	Filtered
	16-2652	0316-97-3011	17200(NV)	µG/l	water	31-Mar-97	Unfiltered
	16-2652	0316-97-3018	13000(NV)	µG/l	water	27-Jun-97	Filtered
	16-2652	0316-97-3019	13000(NV)	µG/l	water	27-Jun-97	Unfiltered
	16-2652	0316-97-3104	18000(NV)	µG/l	water	19-Sep-97	Unfiltered
	16-2652	0316-97-3105	19000(NV)	µG/l	water	19-Sep-97	Filtered
	16-2652	0316-97-3189	13000(NV)	µG/l	water	19-Dec-97	Filtered
	16-2652	0316-97-3190	13000(NV)	µG/l	water	19-Dec-97	Unfiltered
Conductivity	16-2650	0316-97-3002	280(NV)	UMHOS[c]	water	31-Mar-97	Filtered
	16-2650	0316-97-3009	280(NV)	UMHOS	water	31-Mar-97	Unfiltered
	16-2650	0316-97-3014	339(NV)	UMHOS	water	27-Jun-97	Filtered
	16-2650	0316-97-3015	335(NV)	UMHOS	water	27-Jun-97	Unfiltered
	16-2650	0316-97-3101	240(NV)	UMHOS	water	19-Sep-97	Filtered
	16-2650	0316-97-3111	230(NV)	UMHOS	water	19-Sep-97	Unfiltered
	16-2651	0316-97-3010	219(NV)	UMHOS	water	31-Mar-97	Unfiltered
	16-2651	0316-97-3022	189(NV)	UMHOS	water	27-Jun-97	Filtered

Table 4.4-18 (b) (continued)

Analyte	Location ID[a]	Sample ID	Sample Concentration	Units	Media	Collection Date	Field Prep
Conductivity (continued)	16-2651	0316-97-3023	190(NV)	UMHOS	water	27-Jun-97	Unfiltered
	16-2651	0316-97-3108	200(NV)	UMHOS	water	22-Sep-97	Unfiltered
	16-2651	0316-97-3109	180(NV)	UMHOS	water	22-Sep-97	Filtered
	16-2652	0316-97-3008	213(NV)	UMHOS	water	31-Mar-97	Filtered
	16-2652	0316-97-3011	213(NV)	UMHOS	water	31-Mar-97	Unfiltered
	16-2652	0316-97-3018	189(NV)	UMHOS	water	27-Jun-97	Filtered
	16-2652	0316-97-3019	188(NV)	UMHOS	water	27-Jun-97	Unfiltered
	16-2652	0316-97-3104	180(NV)	UMHOS	water	19-Sep-97	Unfiltered
	16-2652	0316-97-3105	200(NV)	UMHOS	water	19-Sep-97	Filtered
Fluoride	16-2650	0316-97-3002	640(NV)	µG/l	water	31-Mar-97	Filtered
	16-2650	0316-97-3009	630(NV)	µG/l	water	31-Mar-97	Unfiltered
	16-2650	0316-97-3014	600(NV)	µG/l	water	27-Jun-97	Filtered
	16-2650	0316-97-3015	700(NV)	µG/l	water	27-Jun-97	Unfiltered
	16-2650	0316-97-3101	300(NV)	µG/l	water	19-Sep-97	Filtered
	16-2650	0316-97-3111	600(NV)	µG/l	water	19-Sep-97	Unfiltered
	16-2650	0316-97-3185	800(NV)	µG/l	water	19-Dec-97	Filtered
	16-2650	0316-97-3186	800(NV)	µG/l	water	19-Dec-97	Unfiltered
	16-2651	0316-97-3005	210(NV)	µG/l	water	31-Mar-97	Filtered
	16-2651	0316-97-3010	220(NV)	µG/l	water	31-Mar-97	Unfiltered
	16-2651	0316-97-3022	200(NV)	µG/l	water	27-Jun-97	Filtered
	16-2651	0316-97-3023	200(NV)	µG/l	water	27-Jun-97	Unfiltered
	16-2651	0316-97-3108	200(NV)	µG/l	water	22-Sep-97	Unfiltered
	16-2651	0316-97-3109	200(NV)	µG/l	water	22-Sep-97	Filtered
	16-2651	0316-97-3187	100(NV)	µG/l	water	19-Dec-97	Filtered
	16-2652	0316-97-3008	220(NV)	µG/l	water	31-Mar-97	Filtered
	16-2652	0316-97-3011	190(NV)	µG/l	water	31-Mar-97	Unfiltered
	16-2652	0316-97-3018	200(NV)	µG/l	water	27-Jun-97	Filtered
	16-2652	0316-97-3019	200(NV)	µG/l	water	27-Jun-97	Unfiltered
	16-2652	0316-97-3104	200(NV)	µG/l	water	19-Sep-97	Unfiltered
	16-2652	0316-97-3105	200(NV)	µG/l	water	19-Sep-97	Filtered
Iodide	16-2650	0316-97-3002	20(NV)	µG/l	water	31-Mar-97	Filtered
	16-2650	0316-97-3009	20(NV)	µG/l	water	31-Mar-97	Unfiltered
Lithium	16-2651	0316-97-3010	10(NV)	µG/l	water	31-Mar-97	Unfiltered
Molybdenum	16-2651	0316-97-3010	10(NV)	µG/l	water	31-Mar-97	Unfiltered
Nitrogen, Ammonium (Expressed as NH4)	16-2650	0316-97-3002	40(NV)	µG/l	water	31-Mar-97	Filtered
	16-2650	0316-97-3009	40(NV)	µG/l	water	31-Mar-97	Unfiltered
	16-2651	0316-97-3005	40(NV)	µG/l	water	31-Mar-97	Filtered
	16-2651	0316-97-3010	40(NV)	µG/l	water	31-Mar-97	Unfiltered
	16-2652	0316-97-3008	40(NV)	µG/l	water	31-Mar-97	Filtered
	16-2652	0316-97-3011	40(NV)	µG/l	water	31-Mar-97	Unfiltered

Table 4.4-18 (b) (continued)

Analyte	Location ID[a]	Sample ID	Sample Concentration	Units	Media	Collection Date	Field Prep
Nitrogen, Nitrate + Nitrite (Expressed as N)	16-2650	0316-97-3185	5000	µG/l	water	19-Dec-97	Filtered
	16-2650	0316-97-3186	5000	µG/l	water	19-Dec-97	Unfiltered
	16-2651	0316-97-3187	1500	µG/l	water	19-Dec-97	Filtered
	16-2651	0316-97-3188	1200	µG/l	water	19-Dec-97	Unfiltered
	16-2652	0316-97-3190	1400	µG/l	water	19-Dec-97	Unfiltered
Nitrogen, Nitrate (Expressed as NO3)	16-2650	0316-97-3002	10700(NV)	µG/l	water	31-Mar-97	Filtered
	16-2650	0316-97-3009	9830(NV)	µG/l	water	31-Mar-97	Unfiltered
	16-2651	0316-97-3005	3830(NV)	µG/l	water	31-Mar-97	Filtered
	16-2652	0316-97-3008	3540(NV)	µG/l	water	31-Mar-97	Filtered
	16-2652	0316-97-3011	3140(NV)	µG/l	water	31-Mar-97	Unfiltered
Nitrogen, Nitrite (Expressed as NO2)	16-2651	0316-97-3010	3340(NV)	µG/l	water	31-Mar-97	Unfiltered
pH	16-2650	0316-97-3014	7.2(NV)	SU[d]	water	27-Jun-97	Filtered
	16-2650	0316-97-3015	8(NV)	SU	water	27-Jun-97	Unfiltered
	16-2650	0316-97-3002	7.14(NV)	SU	water	31-Mar-97	Filtered
	16-2650	0316-97-3009	7.09(NV)	SU	water	31-Mar-97	Unfiltered
	16-2650	0316-97-3101	7.37(NV)	SU	water	19-Sep-97	Filtered
	16-2650	0316-97-3111	7.52(NV)	SU	water	19-Sep-97	Unfiltered
	16-2651	0316-97-3022	7.7(NV)	SU	water	27-Jun-97	Filtered
	16-2651	0316-97-3023	7.6(NV)	SU	water	27-Jun-97	Unfiltered
	16-2651	0316-97-3005	7.44(NV)	SU	water	31-Mar-97	Filtered
	16-2651	0316-97-3010	7.37(NV)	SU	water	31-Mar-97	Unfiltered
	16-2651	0316-97-3108	7.38(NV)	SU	water	22-Sep-97	Unfiltered
	16-2651	0316-97-3109	7.39(NV)	SU	water	22-Sep-97	Filtered
	16-2652	0316-97-3018	7.3(NV)	SU	water	27-Jun-97	Filtered
	16-2652	0316-97-3019	7.3(NV)	SU	water	27-Jun-97	Unfiltered
	16-2652	0316-97-3008	7.34(NV)	SU	water	31-Mar-97	Filtered
	16-2652	0316-97-3011	7.25(NV)	SU	water	31-Mar-97	Unfiltered
	16-2652	0316-97-3104	7.19(NV)	SU	water	19-Sep-97	Unfiltered
	16-2652	0316-97-3105	7.21(NV)	SU	water	19-Sep-97	Filtered
Phosphorus, Orthophosphate (Expressed as PO4)	16-2650	0316-97-3002	130(NV)	µG/l	water	31-Mar-97	Filtered
	16-2650	0316-97-3009	120(NV)	µG/l	water	31-Mar-97	Unfiltered
	16-2651	0316-97-3005	170(NV)	µG/l	water	31-Mar-97	Filtered
	16-2651	0316-97-3010	140(NV)	µG/l	water	31-Mar-97	Unfiltered
	16-2652	0316-97-3008	230(NV)	µG/l	water	31-Mar-97	Filtered
	16-2652	0316-97-3011	150(NV)	µG/l	water	31-Mar-97	Unfiltered
Rubidium	16-2650	0316-97-3002	5(NV)	µG/l	water	31-Mar-97	Filtered
	16-2650	0316-97-3009	100(NV)	µG/l	water	31-Mar-97	Unfiltered
	16-2651	0316-97-3005	7(NV)	µG/l	water	31-Mar-97	Filtered
	16-2651	0316-97-3010	14(NV)	µG/l	water	31-Mar-97	Unfiltered

Table 4.4-18 (b) (continued)

Analyte	Location ID[a]	Sample ID	Sample Concentration	Units	Media	Collection Date	Field Prep
Rubidium (continued)	16-2652	0316-97-3008	7(NV)	µG/l	water	31-Mar-97	Filtered
	16-2652	0316-97-3011	13(NV)	µG/l	water	31-Mar-97	Unfiltered
Silicon	16-2650	0316-97-3002	18200(NV)	µG/l	water	31-Mar-97	Filtered
	16-2650	0316-97-3009	28700(NV)	µG/l	water	31-Mar-97	Unfiltered
	16-2650	0316-97-3014	23400(NV)	µG/l	water	27-Jun-97	Filtered
	16-2650	0316-97-3015	23300(NV)	µG/l	water	27-Jun-97	Unfiltered
	16-2650	0316-97-3101	19000(NV)	µG/l	water	19-Sep-97	Filtered
	16-2651	0316-97-3005	25500(NV)	µG/l	water	31-Mar-97	Filtered
	16-2651	0316-97-3010	29400(NV)	µG/l	water	31-Mar-97	Unfiltered
	16-2651	0316-97-3022	20700(NV)	µG/l	water	27-Jun-97	Filtered
	16-2651	0316-97-3023	21300(NV)	µG/l	water	27-Jun-97	Unfiltered
	16-2651	0316-97-3108	21000(NV)	µG/l	water	22-Sep-97	Unfiltered
	16-2651	0316-97-3109	20000(NV)	µG/l	water	22-Sep-97	Filtered
	16-2652	0316-97-3008	28700(NV)	µG/l	water	31-Mar-97	Filtered
	16-2652	0316-97-3011	27700(NV)	µG/l	water	31-Mar-97	Unfiltered
	16-2652	0316-97-3018	21300(NV)	µG/l	water	27-Jun-97	Filtered
	16-2652	0316-97-3019	20900(NV)	µG/l	water	27-Jun-97	Unfiltered
	16-2652	0316-97-3104	20000(NV)	µG/l	water	19-Sep-97	Unfiltered
	16-2652	0316-97-3105	19000(NV)	µG/l	water	19-Sep-97	Filtered
Silicon Dioxide	16-2650	0316-97-3002	38900(NV)	µG/l	water	31-Mar-97	Filtered
	16-2650	0316-97-3009	61400(NV)	µG/l	water	31-Mar-97	Unfiltered
	16-2651	0316-97-3005	54600(NV)	µG/l	water	31-Mar-97	Filtered
	16-2651	0316-97-3010	62900(NV)	µG/l	water	31-Mar-97	Unfiltered
	16-2652	0316-97-3008	61400(NV)	µG/l	water	31-Mar-97	Filtered
	16-2652	0316-97-3011	59300(NV)	µG/l	water	31-Mar-97	Unfiltered
Solids, Total Dissolved	16-2650	0316-97-3002	249468(NV)	µG/l	water	31-Mar-97	Filtered
	16-2650	0316-97-3009	274410(NV)	µG/l	water	31-Mar-97	Unfiltered
	16-2650	0316-97-3014	220000(NV)	µG/l	water	27-Jun-97	Filtered
	16-2650	0316-97-3015	240000(NV)	µG/l	water	27-Jun-97	Unfiltered
	16-2650	0316-97-3101	200000(NV)	µG/l	water	19-Sep-97	Filtered
	16-2650	0316-97-3111	230000(NV)	µG/l	water	19-Sep-97	Unfiltered
	16-2651	0316-97-3005	215229(NV)	µG/l	water	31-Mar-97	Filtered
	16-2651	0316-97-3010	227980(NV)	µG/l	water	31-Mar-97	Unfiltered
	16-2651	0316-97-3022	150000(NV)	µG/l	water	27-Jun-97	Filtered
	16-2651	0316-97-3023	160000(NV)	µG/l	water	27-Jun-97	Unfiltered
	16-2651	0316-97-3108	170000(NV)	µG/l	water	22-Sep-97	Unfiltered
	16-2651	0316-97-3109	160000(NV)	µG/l	water	22-Sep-97	Filtered
	16-2652	0316-97-3008	220878(NV)	µG/l	water	31-Mar-97	Filtered
	16-2652	0316-97-3011	218820(NV)	µG/l	water	31-Mar-97	Unfiltered
	16-2652	0316-97-3018	150000(NV)	µG/l	water	27-Jun-97	Filtered

Table 4.4-18 (b) (continued)

Analyte	Location ID[a]	Sample ID	Sample Concentration	Units	Media	Collection Date	Field Prep
Solids, Total Dissolved (continued)	16-2652	0316-97-3019	150000(NV)	µG/l	water	27-Jun-97	Unfiltered
	16-2652	0316-97-3104	150000(NV)	µG/l	water	19-Sep-97	Unfiltered
	16-2652	0316-97-3105	140000(NV)	µG/l	water	19-Sep-97	Filtered
Solids, Total Suspended	16-2650	0316-97-3111	5000(NV)	µG/l	water	19-Sep-97	Unfiltered
	16-2652	0316-97-3018	62000(NV)	µG/l	water	27-Jun-97	Filtered
Strontium	16-2650	0316-97-3002	100(NV)	µG/l	water	31-Mar-97	Filtered
	16-2650	0316-97-3009	110(NV)	µG/l	water	31-Mar-97	Unfiltered
	16-2651	0316-97-3005	100(NV)	µG/l	water	31-Mar-97	Filtered
	16-2651	0316-97-3010	100(NV)	µG/l	water	31-Mar-97	Unfiltered
	16-2652	0316-97-3008	100(NV)	µG/l	water	31-Mar-97	Filtered
	16-2652	0316-97-3011	100(NV)	µG/l	water	31-Mar-97	Unfiltered
Sulfate	16-2650	0316-97-3002	15400(NV)	µG/l	water	31-Mar-97	Filtered
	16-2650	0316-97-3009	15300(NV)	µG/l	water	31-Mar-97	Unfiltered
	16-2650	0316-97-3014	19000(NV)	µG/l	water	27-Jun-97	Filtered
	16-2650	0316-97-3015	20000(NV)	µG/l	water	27-Jun-97	Unfiltered
	16-2650	0316-97-3101	17000(NV)	µG/l	water	19-Sep-97	Filtered
	16-2650	0316-97-3111	17000(NV)	µG/l	water	19-Sep-97	Unfiltered
	16-2650	0316-97-3185	21000(NV)	µG/l	water	19-Dec-97	Filtered
	16-2650	0316-97-3186	29000(NV)	µG/l	water	19-Dec-97	Unfiltered
	16-2651	0316-97-3005	9410(NV)	µG/l	water	31-Mar-97	Filtered
	16-2651	0316-97-3010	9240(NV)	µG/l	water	31-Mar-97	Unfiltered
	16-2651	0316-97-3022	8000(NV)	µG/l	water	27-Jun-97	Filtered
	16-2651	0316-97-3023	8000(NV)	µG/l	water	27-Jun-97	Unfiltered
	16-2651	0316-97-3108	15000(NV)	µG/l	water	22-Sep-97	Unfiltered
	16-2651	0316-97-3109	13000(NV)	µG/l	water	22-Sep-97	Filtered
	16-2651	0316-97-3187	2000(NV)	µG/l	water	19-Dec-97	Filtered
	16-2651	0316-97-3188	12000(NV)	µG/l	water	19-Dec-97	Unfiltered
	16-2652	0316-97-3008	9300(NV)	µG/l	water	31-Mar-97	Filtered
	16-2652	0316-97-3011	9070(NV)	µG/l	water	31-Mar-97	Unfiltered
	16-2652	0316-97-3018	7000(NV)	µG/l	water	27-Jun-97	Filtered
	16-2652	0316-97-3019	8000(NV)	µG/l	water	27-Jun-97	Unfiltered
	16-2652	0316-97-3104	13000(NV)	µG/l	water	19-Sep-97	Unfiltered
	16-2652	0316-97-3105	12000(NV)	µG/l	water	19-Sep-97	Filtered
	16-2652	0316-97-3189	9000(NV)	µG/l	water	19-Dec-97	Filtered
	16-2652	0316-97-3190	5000(NV)	µG/l	water	19-Dec-97	Unfiltered
Titanium	16-2650	0316-97-3002	67(NV)	µG/l	water	31-Mar-97	Filtered
	16-2650	0316-97-3009	91(NV)	µG/l	water	31-Mar-97	Unfiltered
	16-2651	0316-97-3005	57(NV)	µG/l	water	31-Mar-97	Filtered
	16-2651	0316-97-3010	110(NV)	µG/l	water	31-Mar-97	Unfiltered

Table 4.4-18 (b) (concluded)

Analyte	Location ID[a]	Sample ID	Sample Concentration	Units	Media	Collection Date	Field Prep
Titanium (continued)	16-2652	0316-97-3008	74(NV)	µG/l	water	31-Mar-97	Filtered
	16-2652	0316-97-3011	98(NV)	µG/l	water	31-Mar-97	Unfiltered
Turbidity	16-2650	0316-97-3014	3.8(NV)	NTU[e]	water	27-Jun-97	Filtered
	16-2650	0316-97-3015	1(NV)	NTU	water	27-Jun-97	Unfiltered
	16-2650	0316-97-3101	22(NV)	NTU	water	19-Sep-97	Filtered
	16-2650	0316-97-3111	42(NV)	NTU	water	19-Sep-97	Unfiltered
	16-2651	0316-97-3022	7.4(NV)	NTU	water	27-Jun-97	Filtered
	16-2651	0316-97-3023	8.2(NV)	NTU	water	27-Jun-97	Unfiltered
	16-2651	0316-97-3108	23(NV)	NTU	water	22-Sep-97	Unfiltered
	16-2651	0316-97-3109	16(NV)	NTU	water	22-Sep-97	Filtered
	16-2652	0316-97-3018	10.5(NV)	NTU	water	27-Jun-97	Filtered
	16-2652	0316-97-3019	7.3(NV)	NTU	water	27-Jun-97	Unfiltered
	16-2652	0316-97-3104	17(NV)	NTU	water	19-Sep-97	Unfiltered

[a] Location ID 16-2650 = Martin Spring, Location ID 16-2651 = SWSC Spring, 16-2652 = Burning Ground Spring.

[b] NV = Not validated. Water quality parameters do not receive routine data validation.

[c] UMHOS = micro-mhos.

[d] SU = standard unit.

[e] NTU = nephelometric turbidity units.

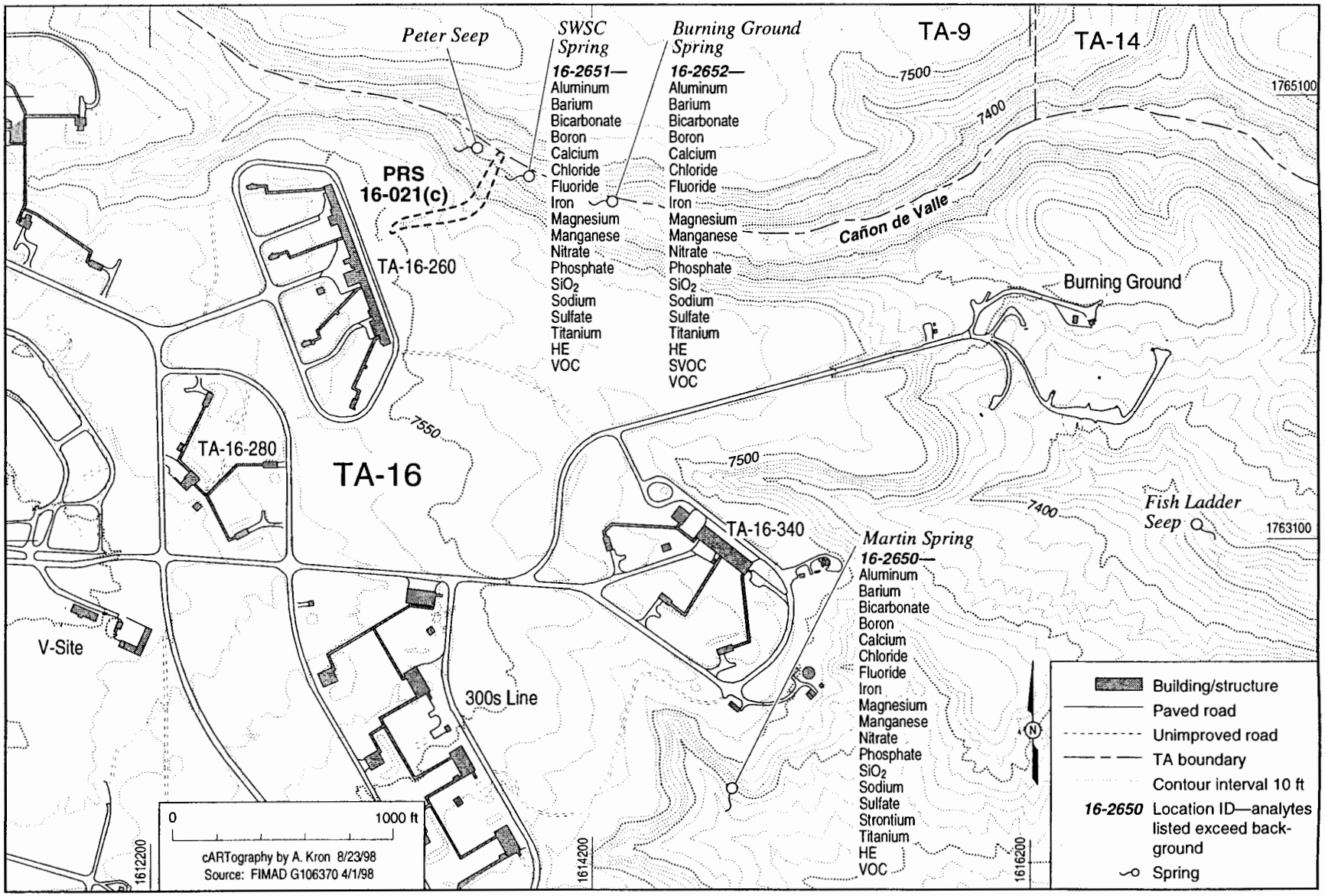


Figure 4.4-8. Location map for springs showing constituents at levels greater than background distributions based on statistical tests

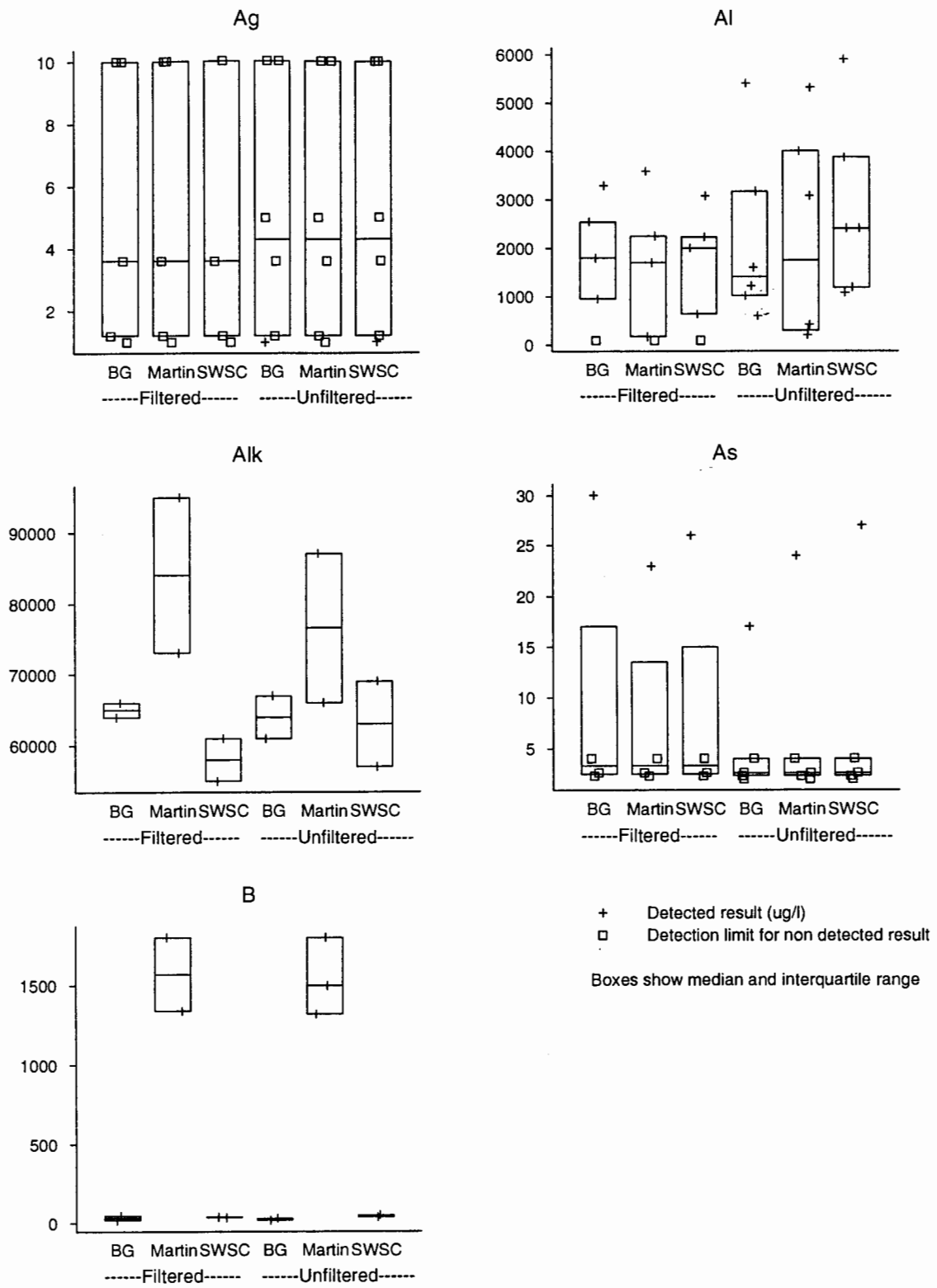


Figure 4.4-9. Comparison of analyte abundances in SWSC, Burning Ground, and Martin Springs

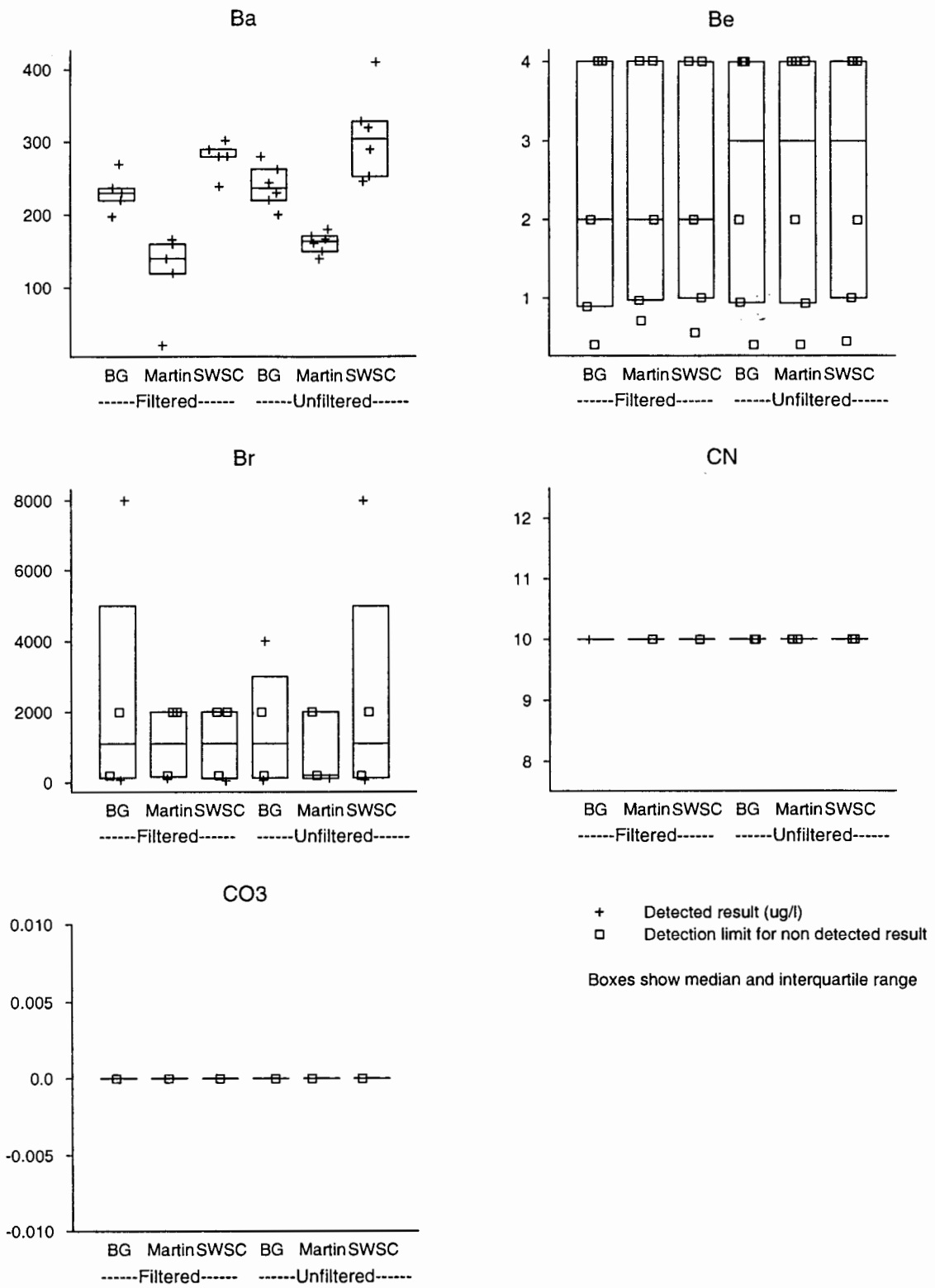


Figure 4.4-9. Comparison of analyte abundances in SWSC, Burning Ground, and Martin Springs (continued)

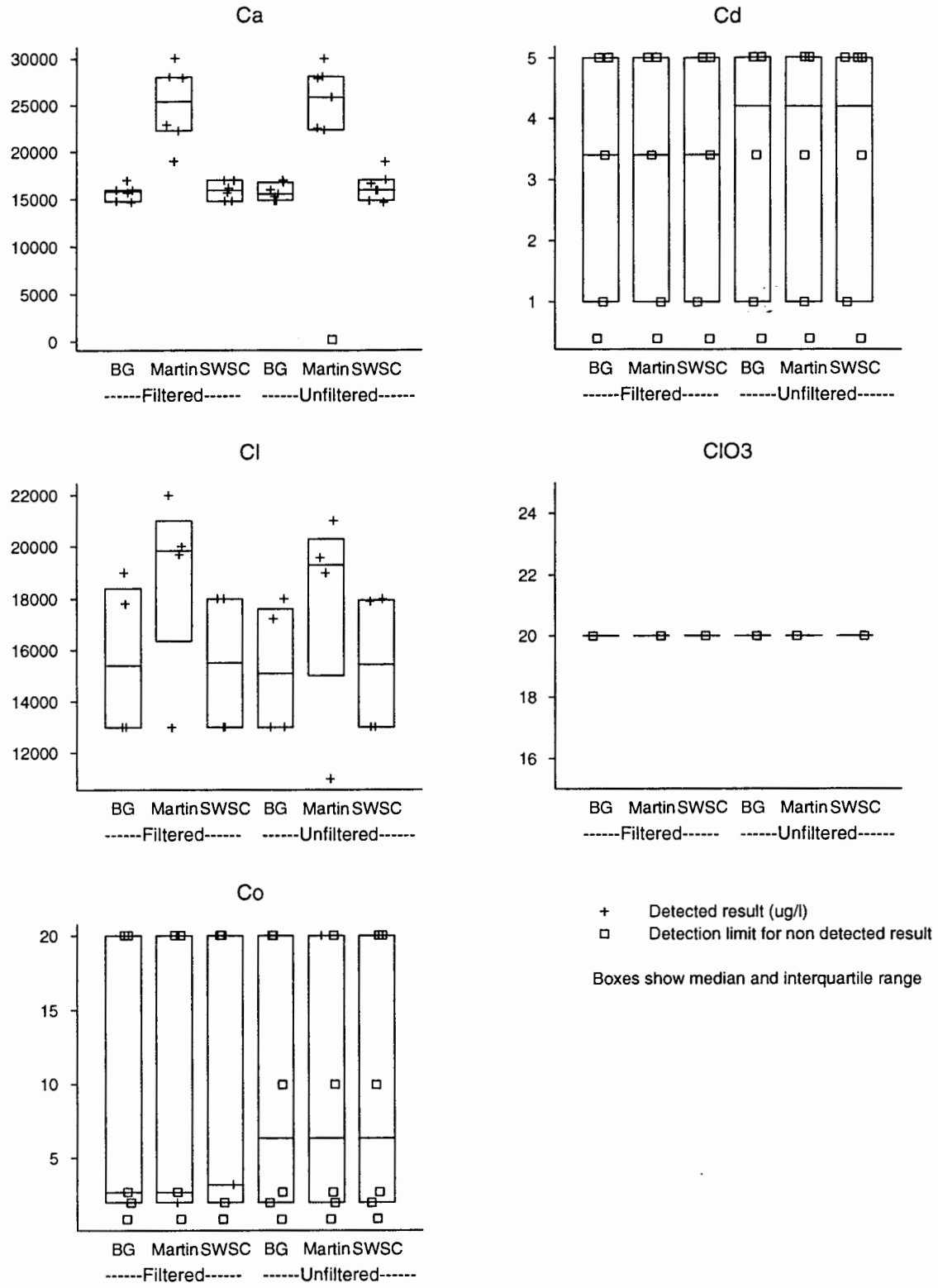


Figure 4.4-9. Comparison of analyte abundances in SWSC, Burning Ground, and Martin Springs (continued)

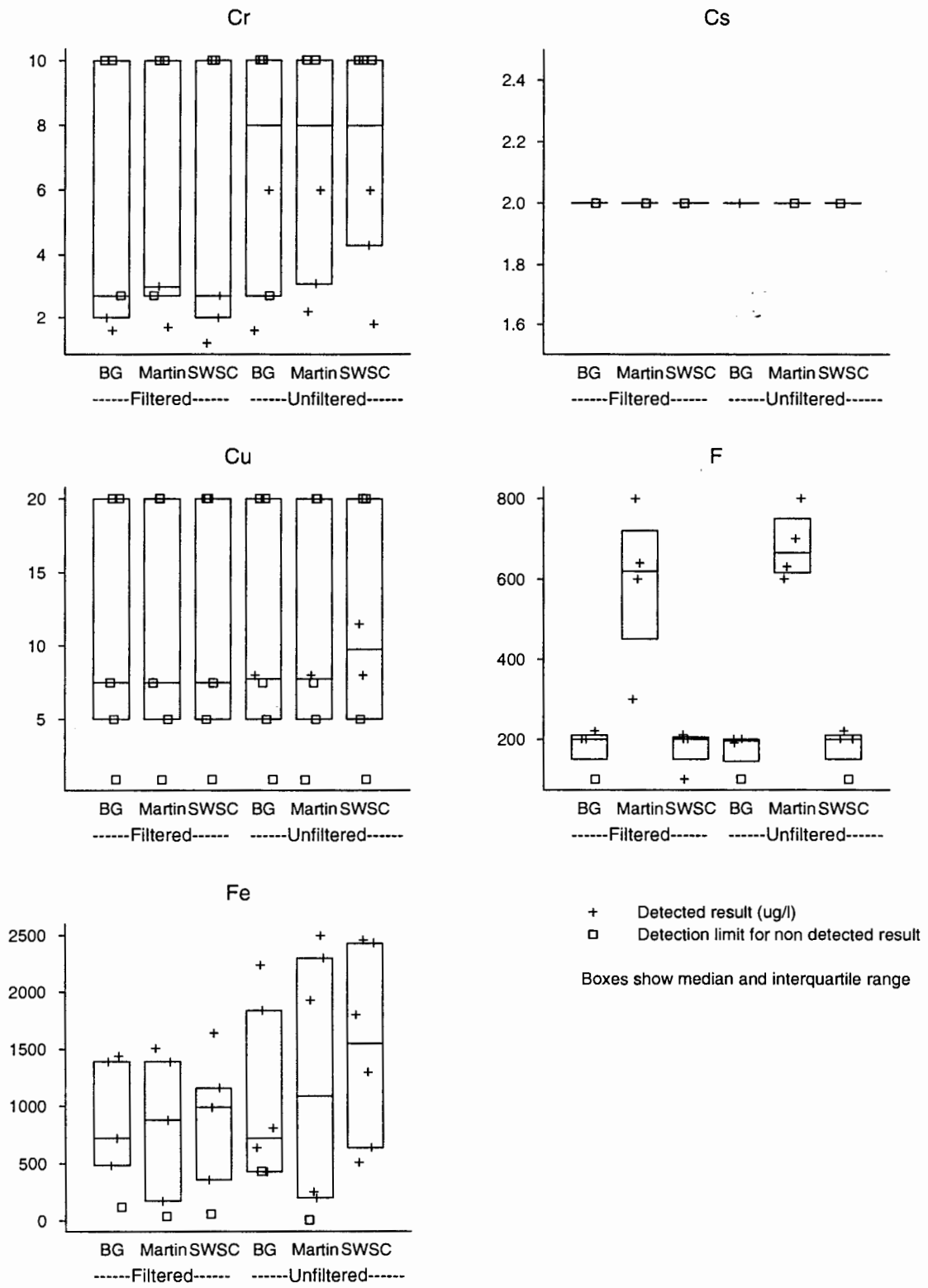


Figure 4.4-9. Comparison of analyte abundances in SWSC, Burning Ground, and Martin Springs (continued)

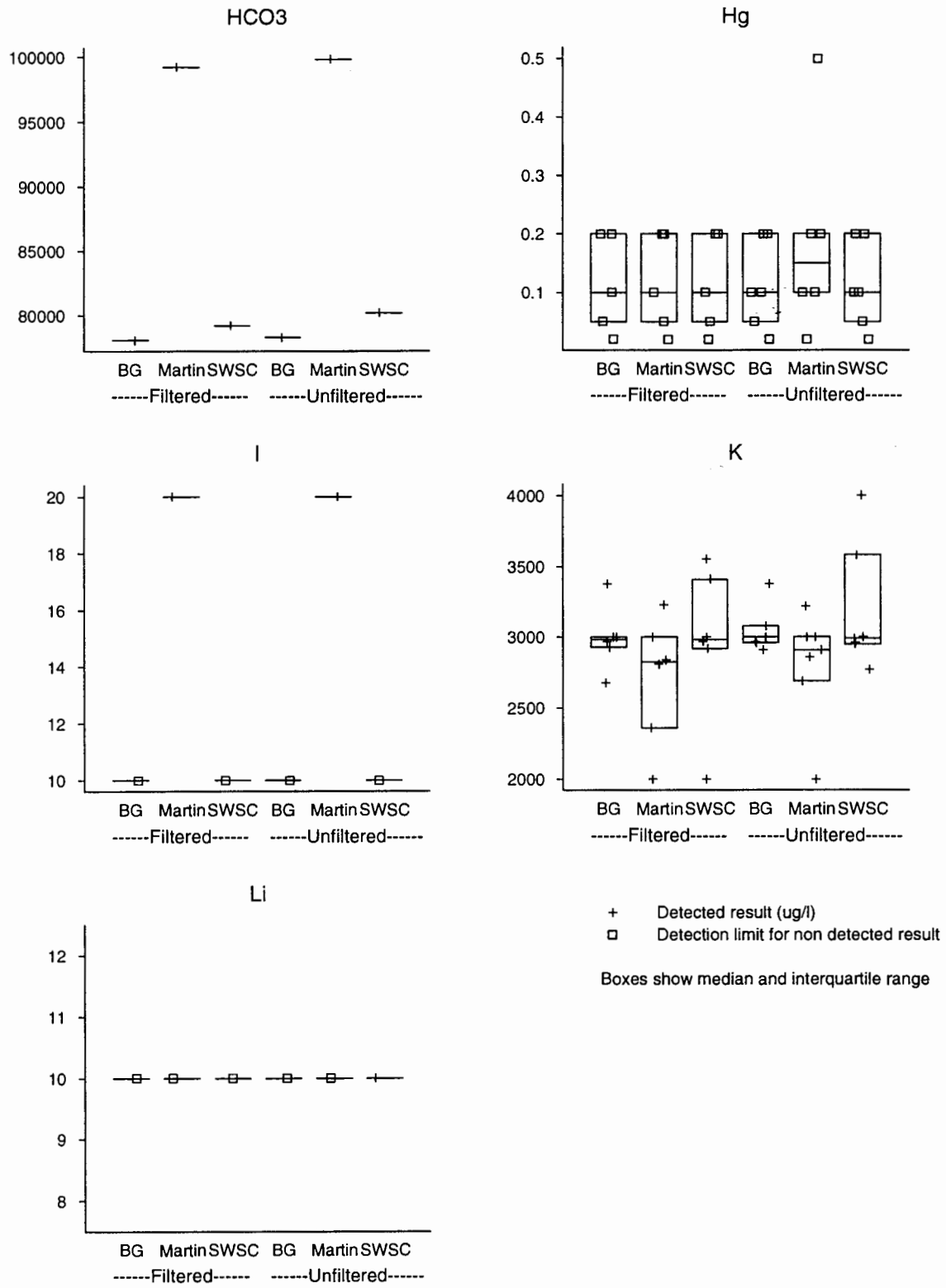


Figure 4.4-9. Comparison of analyte abundances in SWSC, Burning Ground, and Martin Springs (continued)

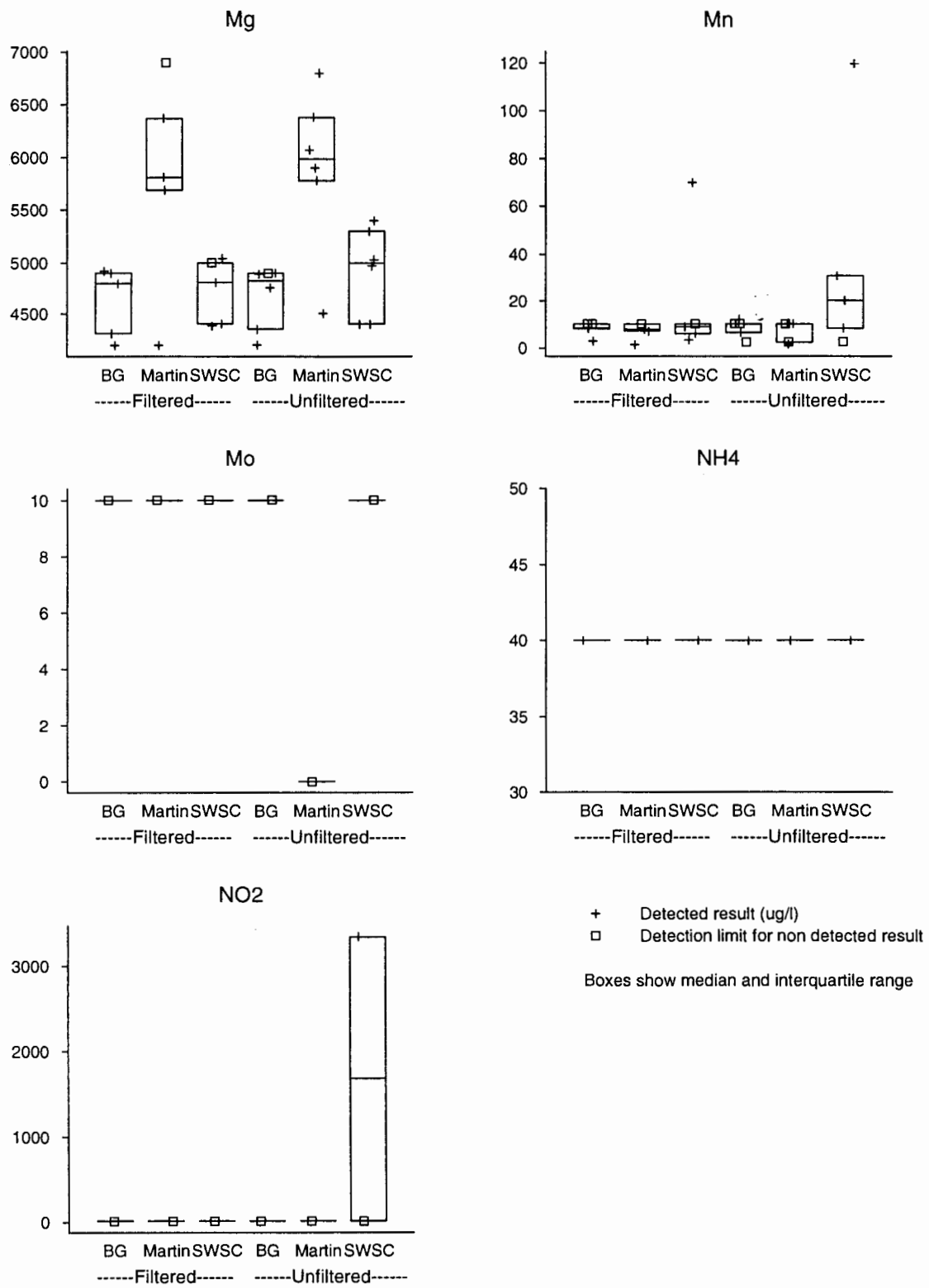


Figure 4.4-9. Comparison of analyte abundances in SWSC, Burning Ground, and Martin Springs (continued)

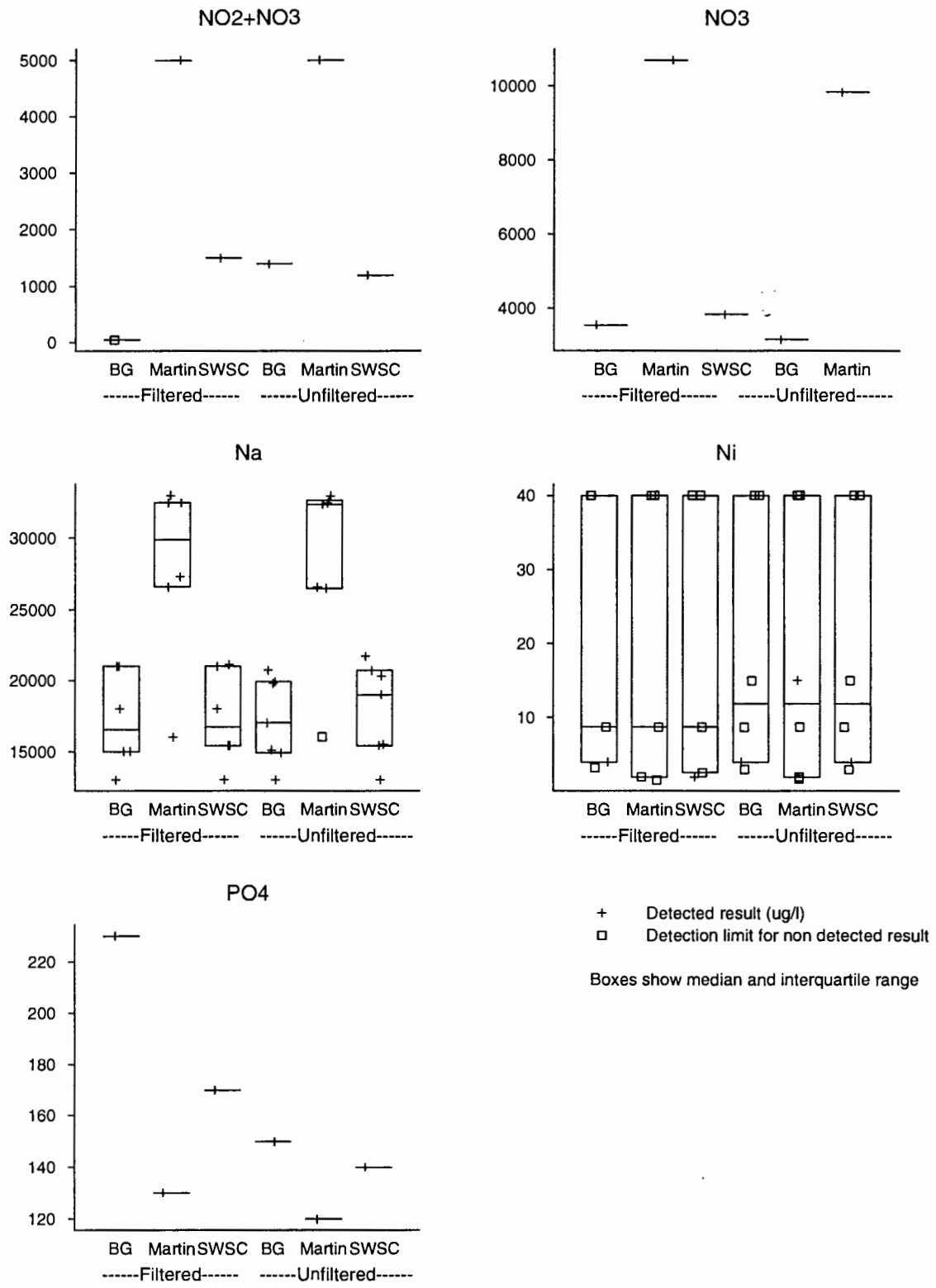


Figure 4.4-9. Comparison of analyte abundances in SWSC, Burning Ground, and Martin Springs (continued)

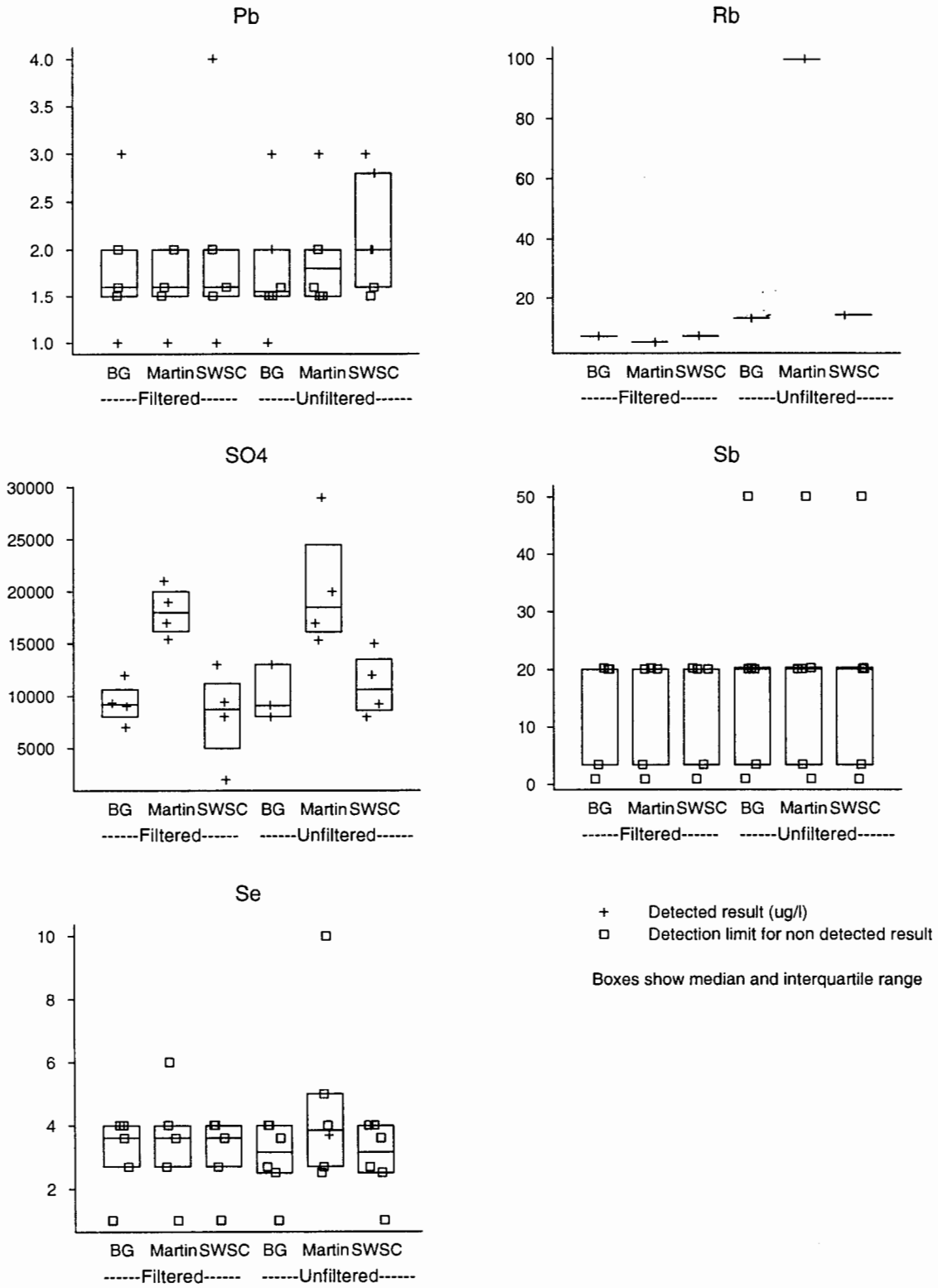


Figure 4.4-9. Comparison of analyte abundances in SWSC, Burning Ground, and Martin Springs (continued)

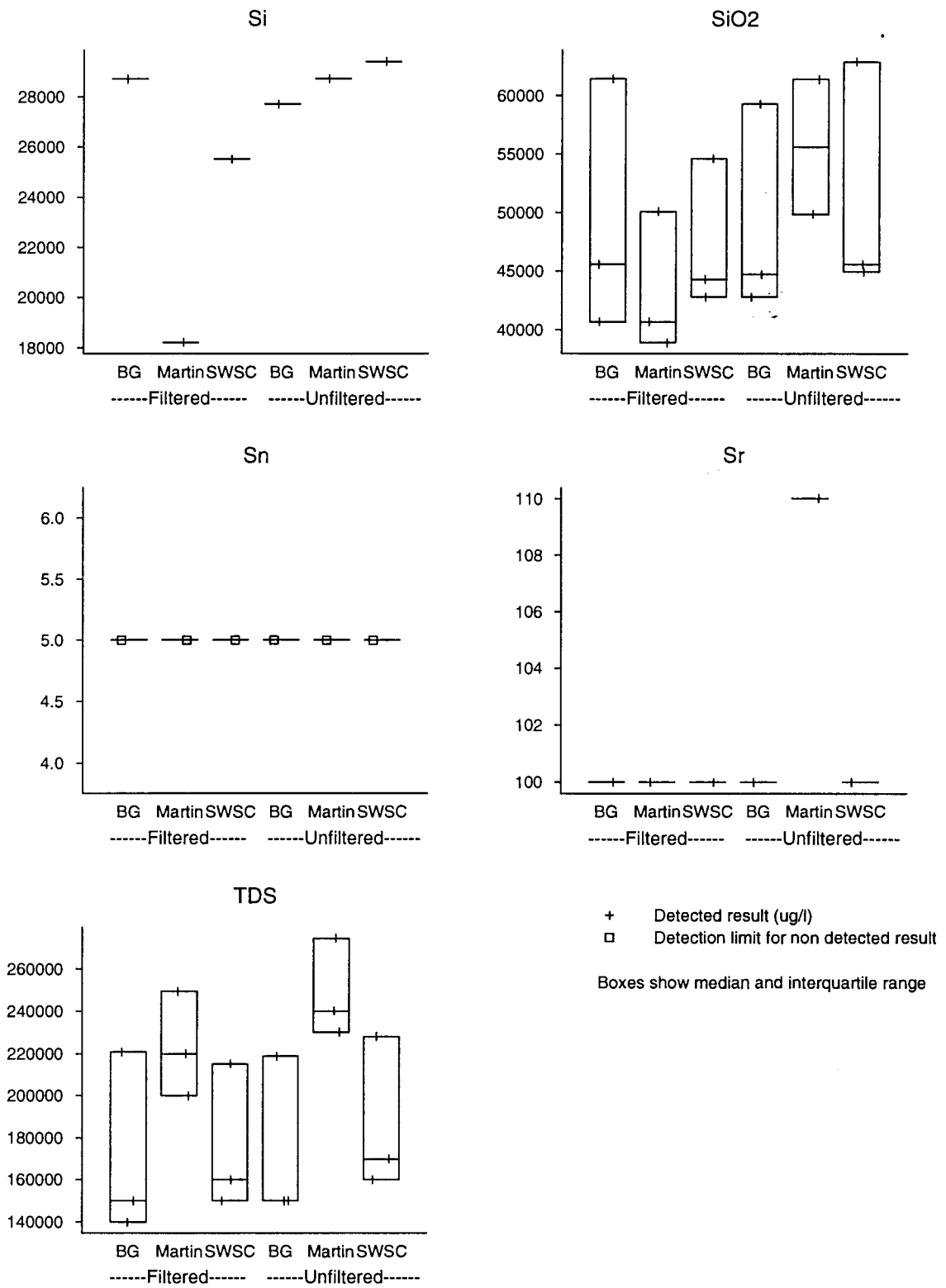


Figure 4.4-9. Comparison of analyte abundances in SWSC, Burning Ground, and Martin Springs (continued)

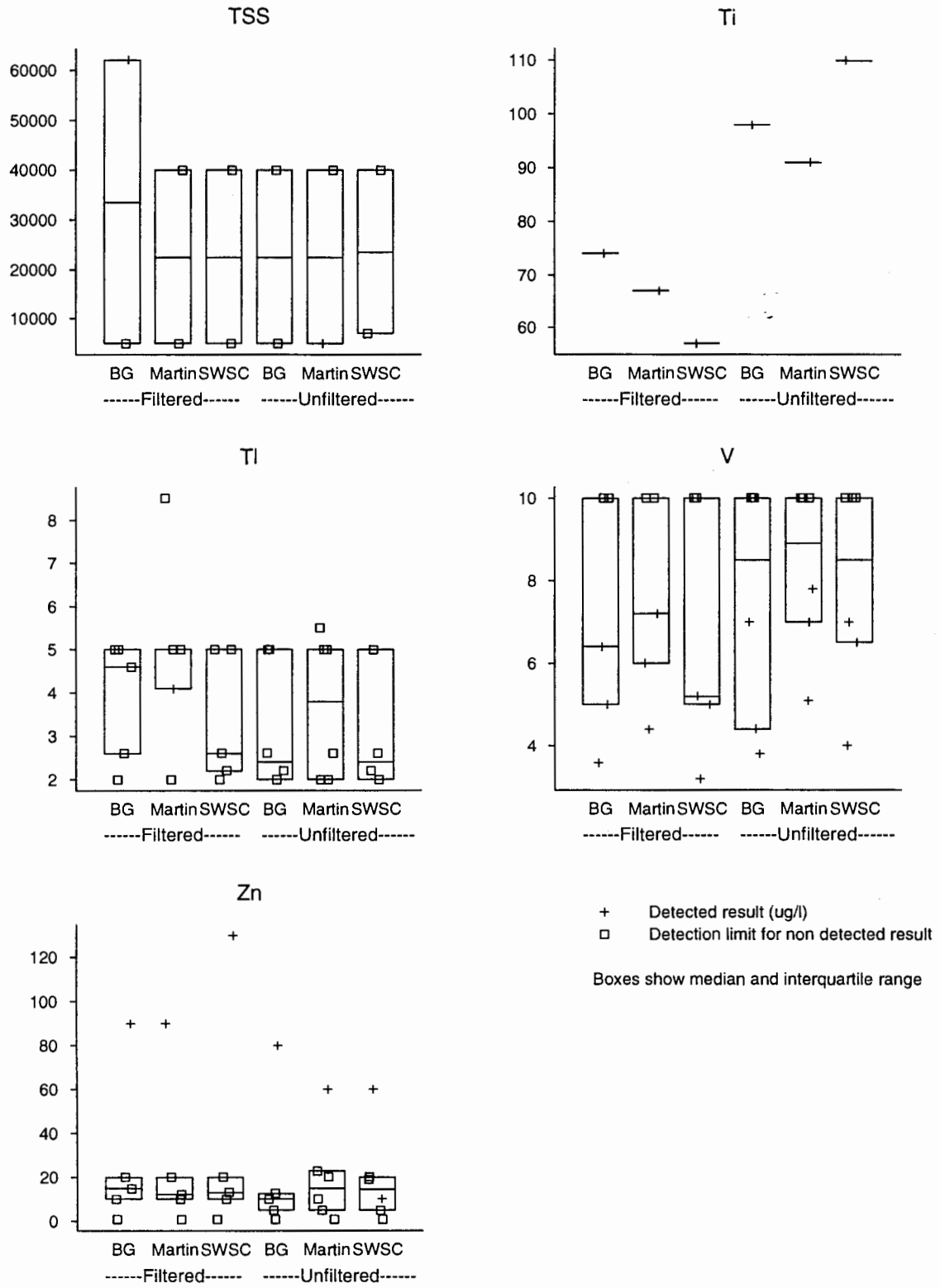
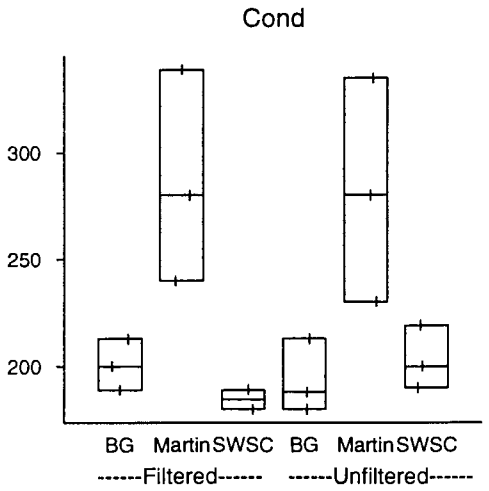
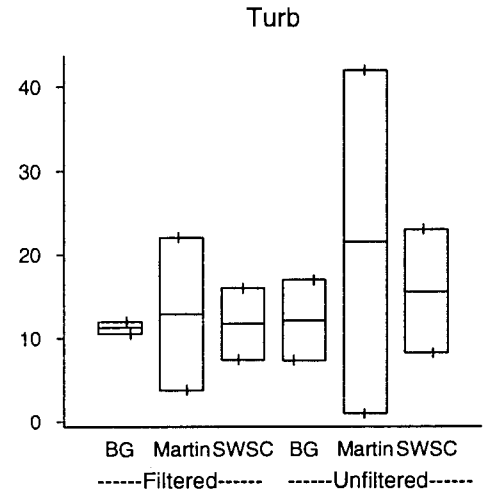


Figure 4.4-9. Comparison of analyte abundances in SWSC, Burning Ground, and Martin Springs (continued)



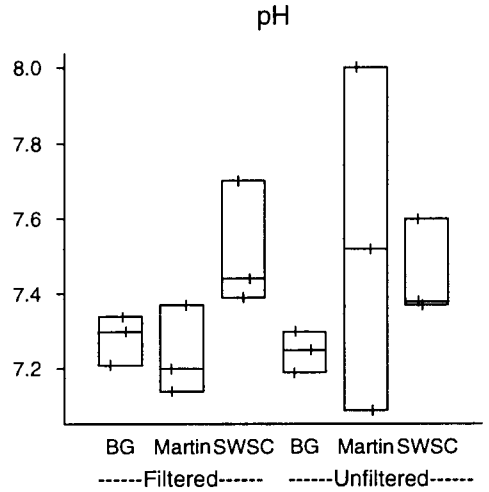
+ Detected result (uMho)
□ Detection limit for non detected result

Boxes show median and interquartile range



+ Detected result (NTU)
□ Detection limit for non detected result

Boxes show median and interquartile range



+ Detected result (SU)
□ Detection limit for non detected result

Boxes show median and interquartile range

Figure 4.4-9. Comparison of analyte abundances in SWSC, Burning Ground, and Martin Springs (concluded)

Calcium. Calcium appears to be higher in abundance in the TA-16 springs (filtered and unfiltered) than in the majority of the background data set (Appendix D), with a maximum value of 30 000 µg/l in sample 0316-97-3185 from Martin Spring. There is no apparent systematic difference between filtered and unfiltered samples [Table 4.4-18(a)]. Martin Spring appears to have slightly higher calcium abundances than the other two springs (Figure 4.4-9). In all three springs, the December sampling round had the highest calcium abundances [Table 4.4-18 (a)]. The FY 1997 quarterly analyses for calcium are consistent with the earlier geochemical samples reported in the Phase I RFI report (LANL 1996, 55077, p. C-7) and reproduced in Table 4.4-17 (a), in which calcium values ranged from 14 000 to 28 100 µg/l. TA-16 surface and alluvial waters (Section 3) appear to be similar in calcium abundance to SWSC and Burning Ground Springs, but lower in calcium abundance than Martin Spring.

Magnesium. Magnesium appears to be higher in abundance in the TA-16 springs (filtered and unfiltered) than in the majority of the background data set (Appendix D), with a maximum value of 6800 µg/l in sample 0316-97-3186 from Martin Spring. Unfiltered aliquots appear to be very slightly higher (typically less than 200 µg/l) than filtered aliquots [Table 4.4-18 (a)]). Martin Spring appears to have higher magnesium abundances than the other two springs (Figure 4.4-9). The FY 1997 quarterly analyses for magnesium are consistent with the earlier geochemical samples reported in the Phase I RFI report (LANL 1996, 55077, p. C-7) and reproduced in Table 4.4-17 (a), in which magnesium values ranged from 4 500 to 6 470 µg/l. TA-16 surface and alluvial waters (Section 3) appear to be similar in magnesium abundance to SWSC and Burning Ground Springs, but lower in magnesium abundance than Martin Spring.

Strontium. Strontium appears to be slightly higher in abundance in the TA-16 springs (filtered and unfiltered) than in the majority of the background data set (Appendix D), with a maximum value of 110 µg/l in sample 0316-97-3009 from Martin Spring. Unfiltered aliquots do not appear to be significantly higher in strontium abundance than filtered aliquots [Table 4.4-18 (b)]. The springs all appear to have similar strontium values (Figure 4.4-9). Strontium was only analyzed in the March 1997 sampling round. The FY 1997 quarterly analyses for strontium are consistent with the earlier geochemical samples reported in the Phase I RFI report (LANL 1996, 55077, p. C-7) and reproduced in Table 4.4-17 (a), in which strontium values ranged from 100 to 160 µg/l.

Sodium. Sodium is higher in abundance in the TA-16 springs (filtered and unfiltered) than in the majority of the background data set (Appendix D), with a maximum value of 33 000 µg/l in filtered/unfiltered sample pair 0316-97-3185 and 0316-97-3186 from Martin Spring. There do not appear to be systematic differences between filtered and unfiltered aliquots of the same sample [Table 4.4-18 (a)]. Martin Spring has higher sodium abundances (consistently greater than 25 000 µg/l) than the other two springs (consistently less than 25 000 µg/l) (Figure 4.4-9). The FY 1997 quarterly analyses for sodium are consistent with the earlier geochemical samples reported in the Phase I RFI report (LANL 1996, 55077, p. C-7) and reproduced in Table 4.4-17 (a), in which sodium values ranged from 19 000 to 36 400 µg/l.

Bicarbonate. Bicarbonate is higher in abundance in the TA-16 springs (filtered and unfiltered) than in the majority of the background data set (Appendix D), with a maximum value of 99 800 µg/l in unfiltered sample 0316-97-3009 from Martin Spring. Unfiltered samples appear to be slightly higher (less than 1 000 µg/l) in abundance than filtered samples [Table 4.4-18 (b)]. Martin Spring has higher bicarbonate abundances (greater than 90 000 µg/l) than the other two springs (consistently less than 90 000 µg/l) (Figure 4.4-9) — although this conclusion is based on samples from the March 1997 quarterly sampling only. The FY 1997 quarterly analyses for bicarbonate are consistent with the earlier geochemical samples

reported in the Phase I RFI report (LANL 1996, 55077, p. C-7) and reproduced in Table 4.4-17 (a), in which bicarbonate values ranged from 80 000 to 137 000 µg/l.

Sulfate. Sulfate is higher in abundance in the TA-16 springs (filtered and unfiltered) than in the majority of the background data set (Appendix D), with a maximum value of 29 000 µg/l in unfiltered sample 0316-97-3186 from Martin Spring. Unfiltered samples appear to be slightly higher in abundance than filtered samples [Table 4.4-18 (b)] although this relationship does not hold for all samples. Martin Spring has higher sulfate abundances (consistently greater than 15 000 µg/l) than the other two springs (consistently less than 15 000 µg/l) (Figure 4.4-9). The FY 1997 quarterly analyses for sulfate are consistent with the earlier geochemical samples that were reported in the Phase I RFI report (LANL 1996, 55077, p. C-7) and reproduced in Table 4.4-17 (a), where sulfate values ranged from 8 310 to 31 000 µg/l.

Chloride. Chloride is higher in abundance in the TA-16 springs (filtered and unfiltered) than in the majority of the background data set (Appendix D), with a maximum value of 22 000 µg/l in filtered sample 0316-97-3185 from Martin Spring. There does not appear to be a systematic relationship between filtered and unfiltered samples for chloride [Table 4.4-18 (b)]. There is significant overlap between chloride abundances in the three springs (Figure 4.4-9). The FY 1997 quarterly analyses for chloride are consistent with the earlier geochemical samples reported in the Phase I RFI report (LANL 1996, 55077, p. C-7) and reproduced in Table 4.4-17 (a), in which chloride values ranged from 14 300 to 21 800 µg/l.

Fluoride. Fluoride is higher in abundance in the TA-16 springs (filtered and unfiltered) than in the majority of the background data set (Appendix D), with a maximum value of 800 µg/l in filtered/unfiltered sample pair 0316-97-3185 and 0316-97-3186 from Martin Spring. Unfiltered samples are frequently slightly higher (typically less than 100 µg/l) than filtered samples [Table 4.4-18 (b)]. Martin Spring is consistently higher in fluoride abundance than the other two springs (Figure 4.4-9). The FY 1997 quarterly analyses for fluoride are consistent with the earlier geochemical samples reported in the Phase I RFI report (LANL 1996, 55077, p. C-7) and reproduced in Table 4.4-17 (a), in which fluoride values ranged from 130 to 700 µg/l.

Boron. Boron is higher in abundance in the TA-16 springs (filtered and unfiltered) than in the majority of the background data set (Appendix D), with a maximum value of 1 800 µg/l in filtered/unfiltered sample pair 0316-97-3014 and 0316-97-3015 from Martin Spring. There does not appear to be a systematic relationship between abundances in filtered and unfiltered samples [Table 4.4-18 (b)]. Martin Spring is consistently much higher in boron abundance (greater than 1 300 µg/l) than the other two springs (less than 100 µg/l) (Figure 4.4-9). The FY 1997 quarterly analyses for boron are consistent with the earlier geochemical samples reported in the Phase I RFI report (LANL 1996, 55077, p. C-7) and reproduced in Table 4.4-17 (a), in which boron values ranged from 10 to 1 810 µg/l.

Total Dissolved Solids (TDS). TDS are higher in abundance in the TA-16 springs (filtered and unfiltered) than in the majority of the background data set (Appendix D), with a maximum value of 274 410 µg/l in unfiltered sample 0316-97-3009 from Martin Spring. Unfiltered samples generally have higher TDS than filtered samples [Table 4.4-18 (b)]. Martin Spring is consistently higher in TDS in a given season than the other two springs (Figure 4.4-9). The FY 1997 quarterly analyses for TDS are consistent with the earlier geochemical samples reported in the Phase I RFI report (LANL 1996, 55077, p. C-7) , in which TDS ranged from 180 000 to 325 000 µg/l [Table 4.4-17 (a)].

Summary of COPCs for Major Constituents

Table 4.4-19 summarizes the evidence for a release of those inorganic major constituents appearing in Table 4.4-18 (a and b) and identifies those which are carried forward into Sections 5 and 6. Most of these major constituents do not have a known source either at PRS 16-021(c) or in any TA-16 process. Possible sources of these elevated major constituents are provided in Section 4.5.4. All inorganic major constituents eliminated in Table 4.4-19 did not have a distribution significantly different than the background distribution and are not carried forward to Sections 5 and 6.

Table 4.4-19

Results of Inorganic Data Review for Springs – Major Constituents

Analyte	Media	Result	Rationale for Retaining or Eliminating as a COPC
Boron	Water	Retained	The spring data set was greater than the background data set based on the Wilcoxon statistical test
Bicarbonate	Water	Retained	The spring data set was greater than the background data set based on the Wilcoxon statistical test
Calcium	Water	Retained	The spring data set was greater than the background data set based on the Wilcoxon statistical test
Chloride	Water	Retained	The spring data set was greater than the background data set based on the Wilcoxon statistical test
Fluoride	Water	Retained	The spring data set was greater than the background data set based on the Wilcoxon statistical test
Magnesium	Water	Retained	The spring data set was greater than the background data set based on the Wilcoxon statistical test
Potassium	Water	Eliminated	The spring data set was not greater than the background data set based on the Wilcoxon statistical test.
Silicon dioxide	Water	Retained	The spring data set was greater than the background data set based on the Wilcoxon statistical test
Sodium	Water	Retained	The spring data set was greater than the background data set based on the Wilcoxon statistical test
Strontium	Water	Retained	The spring data set was greater than the background data set based on the Wilcoxon statistical test
Sulfate	Water	Retained	The spring data set was greater than the background data set based on the Wilcoxon statistical test

Minor Constituents

Minor constituents can also provide clues into sources of spring water and temporal variability in these elements can elucidate the dynamics of the spring system. Minor constituents (e.g., barium) also represent RCRA-regulated constituents that are of particular environmental concern in this investigation.

The following minor constituents are statistically higher than background springs in the FY 1997 quarterly sampling data: aluminum (filtered and unfiltered), barium (filtered and unfiltered), iron (filtered and unfiltered), manganese (unfiltered), ammonium (filtered and unfiltered), nitrate (filtered and unfiltered), phosphate (filtered and unfiltered), and titanium (filtered and unfiltered) (see Appendix D). Minor constituents that are not above background based on statistical tests include: silver, arsenic, cobalt,

chromium, copper, cesium, molybdenum, nickel, nitrite, nitrite + nitrate, lead, rubidium, selenium, thallium, vanadium and zinc. The minor constituents that are above background levels are discussed individually below

Aluminum. Aluminum is higher in abundance in the TA-16 springs (filtered and unfiltered) than in the majority of the background data set (Appendix D), with a maximum value of 5 900 µg/l in unfiltered sample 0316-97-3010 from SWSC Spring. Unfiltered samples are systematically higher than filtered samples (Table 4.4-18 (a), Appendix D). This difference is compatible with aluminum being associated with colloidal material in spring water. There does not appear to be a systematic difference among aluminum data for the three springs (Figure 4.4-9). Most data values range between less than 1000 and 4000 µg/l (Figure 4.4-9). The FY 1997 quarterly analyses for aluminum are higher than the earlier geochemical samples that were reported in the Phase I RFI report (LANL 1996, 55077, p. C-8) and reproduced in Table 4.4-17(b), in which aluminum values ranged from 80 to 900 µg/l. The reason for this discrepancy is not known. Aluminum in surface waters (see Section 3) appears to be higher than aluminum in spring waters for unfiltered samples.

Barium. Barium is higher in abundance in the TA-16 springs (filtered and unfiltered) than in the majority of the background data set (Appendix D), with a maximum value of 410 µg/l in unfiltered sample 0316-97-3188 from SWSC Spring. There does not appear to be a systematic difference between barium values in filtered and unfiltered aliquots of a sample (Table 4.4-18[a]). SWSC and Burning Ground Springs are systematically higher in barium abundance (always greater than 190 µg/l) than Martin Spring (always less than 190 µg/l) (Figure 4.4-9). The FY 1997 quarterly analyses for barium are consistent with the earlier geochemical samples reported in the Phase I RFI report (LANL 1996, 55077, p. C-9) and reproduced in Table 4.4-17 (b), where barium values ranged from 170 to 320 µg/l. Barium in TA-16 springs is typically an order-of-magnitude lower in barium abundance than are the Canon de Valle surface and alluvial waters (see Section 3).

Iron. Iron is higher in abundance in the TA-16 springs (filtered and unfiltered) than in the majority of the background data set (Appendix D), with a maximum value of 2 500 µg/l in unfiltered sample 0316-97-3111 from Martin Spring. Unfiltered samples are systematically higher than filtered samples (Appendix D; Table 4.4-18[a]). There does not appear to be a systematic difference among iron data for the three springs (Figure 4.4-9). The FY 1997 quarterly analyses for iron are higher than the earlier geochemical samples reported in the Phase I RFI report (LANL 1996, 55077, p. C-9) and reproduced in Table 4.4-17 (b), in which iron values ranged from 10 to 400 µg/l. The reason for this discrepancy is not known. Iron in surface water is higher than iron in spring waters for unfiltered samples (see Section 3).

Manganese. Manganese is higher in abundance in the TA-16 springs (unfiltered) than in the majority of the background data set (Appendix D), with a maximum value of 120 µg/l in unfiltered sample 0316-97-3188 from SWSC Spring. Unfiltered aliquots are systematically higher in manganese abundance than filtered aliquots of the same sample (Table 4.4-18[a]). SWSC and Burning Ground Springs appear to be systematically higher in manganese abundance during a given sampling interval than Martin Spring (Figure 4.4-9).The FY 1997 quarterly analyses for manganese are typically higher than the earlier geochemical samples reported in the Phase I RFI report (LANL 1996, 55077, p. C-9) and reproduced in Table 4.4-17(b), in which only a single detected manganese value (60 µg/l) was reported. Most of the nondetects were less than 10 µg/l.

Ammonium. Ammonium is higher in abundance in the TA-16 springs (filtered and unfiltered) than in the majority of the background data set (Appendix D), with a maximum value of 40 µg/l all samples. All of the data for the three springs are the same value. The FY 1997 quarterly analyses for ammonium are higher than the earlier geochemical samples reported in the Phase I RFI report (LANL 1996, 55077, p. C-9) and reproduced in Table 4.4-17(b).

Nitrate. Nitrate is higher in abundance in the TA-16 springs (filtered and unfiltered) than in the background data set (Appendix D), with a maximum value of 10 700 µg/l in unfiltered sample 0316-97-3002 from Martin Spring. There is no systematic difference between unfiltered aliquots and filtered aliquots of the same sample (Table 4.4-18[b]). Martin Spring is systematically higher in nitrate abundance than SWSC and Burning Ground Springs (Figure 4.4-9). Further discussion of nitrate variability in springs is provided in the tracer studies section. The FY 1997 quarterly analyses for nitrate are consistent with the earlier geochemical samples reported in the Phase I RFI report (LANL 1996, 55077, p. C-9) and reproduced in Table 4.4-17 (b), in which nitrate ranged from a high value of 18 300 µg/l to a low value of 1 000 µg/l.

Phosphate. Phosphate is higher in abundance in the TA-16 springs (filtered and unfiltered) than in the background data set (Appendix D), with a maximum value of 230 µg/l in filtered sample 0316-97-3008 from Burning Ground Spring. Filtered aliquots appear to be slightly higher than unfiltered aliquots of the same sample (Table 4.4-18[b]). SWSC and Burning Ground Springs appear (all abundances greater than 140 µg/l) to be systematically higher than Martin Spring (all abundances less than 140 µg/l) based on this limited data set (Figure 4.4-9). Further discussion of phosphate variability in springs is provided in the tracer studies section. The FY 1997 quarterly analyses for phosphate are consistent with the earlier geochemical samples reported in the Phase I RFI report (LANL 1996, 55077) and reproduced in Table 4.4-17 (b), in which phosphate ranged from a high value of 440 µg/l to a low value of 90 µg/l.

Titanium. Titanium is higher in abundance in the TA-16 springs (filtered and unfiltered) than in the majority of the background data set (Appendix D), with a maximum value of 110 µg/l in unfiltered sample 0316-97-3010 from SWSC Spring. Unfiltered aliquots are systematically higher in titanium abundance than filtered aliquots of the same sample (Table 4.4-18[b]). There does not appear to be a systematic difference between titanium values in the three springs (Figure 4.4-9). Titanium was not analyzed in the geochemical analyses reported earlier.

Summary of COPCs for Minor Constituents

Table 4.4-20 summarizes the evidence for a release of those inorganic minor chemicals appearing in Table 4.4-18 and identifies those which are carried forward into Sections 5 and 6. All inorganic minor constituents eliminated in Table 4.4-20 did not have a distribution significantly different than the background distribution and are not carried forward to Sections 5 and 6.

Table 4.4-20
Results of Inorganic Data Review Springs – Minor Constituents

Analyte	Media	Result	Rationale for Retaining or Eliminating a COPC
Alkalinity, Total (Methyl Orange [pH=4.5] end point)	Water	Eliminated	The spring data set was not greater than the background data set based on the Wilcoxon statistical test.
Aluminum	Water	Retained	The spring dataset was greater than the background dataset based on the Wilcoxon statistical test
Ammonium	Water	Retained	The spring dataset was greater than the background dataset based on the Wilcoxon statistical test
Barium	Water	Retained	The spring dataset was greater than the background dataset based on the Wilcoxon statistical test
Bicarbonate	Water	Eliminated	The spring data set was not greater than the background data set based on the Wilcoxon statistical test.
Boron	Water	Eliminated	The spring data set was not greater than the background data set based on the Wilcoxon statistical test.
Bromide	Water	Eliminated	The spring data set was not greater than the background data set based on the Wilcoxon statistical test.
Carbonate	Water	Eliminated	The spring data set was not greater than the background data set based on the Wilcoxon statistical test.
Cesium	Water	Eliminated	The spring data set was not greater than the background data set based on the Wilcoxon statistical test.
Chlorate	Water	Eliminated	The spring data set was not greater than the background data set based on the Wilcoxon statistical test.
Chloride	Water	Eliminated	The spring data set was not greater than the background data set based on the Wilcoxon statistical test.
Conductivity	Water	Eliminated	The spring data set was not greater than the background data set based on the Wilcoxon statistical test.
Cyanide, Total	Water	Eliminated	The spring data set was not greater than the background data set based on the Wilcoxon statistical test.
Fluoride	Water	Eliminated	The spring data set was not greater than the background data set based on the Wilcoxon statistical test.
Iodide	Water	Eliminated	The spring data set was not greater than the background data set based on the Wilcoxon statistical test.
Iron	Water	Retained	The spring dataset was greater than the background dataset based on the Wilcoxon statistical test
Lithium	Water	Eliminated	The spring data set was not greater than the background data set based on the Wilcoxon statistical test.
Manganese	Water	Retained	The spring dataset was greater than the background dataset based on the Wilcoxon statistical test
Molybdenum	Water	Eliminated	The spring data set was not greater than the background data set based on the Wilcoxon statistical test.
Nitrate	Water	Retained	The spring dataset was greater than the background dataset based on the Wilcoxon statistical test.
Nitrogen, Ammonium (Expressed as NH4)	Water	Eliminated	The spring data set was not greater than the background data set based on the Wilcoxon statistical test.
Nitrogen, Nitrate + Nitrite (Expressed as N)	Water	Eliminated	The spring data set was not greater than the background data set based on the Wilcoxon statistical test.

Table 4.4-20 (concluded)

Analyte	Media	Result	Rationale for Retaining or Eliminating a COPC
Nitrogen, Nitrate (Expressed as NO3)	Water	Eliminated	The spring data set was not greater than the background data set based on the Wilcoxon statistical test.
Nitrogen, Nitrite (Expressed as NO2)	Water	Eliminated	The spring data set was not greater than the background data set based on the Wilcoxon statistical test.
Phosphate	Water	Retained	The spring dataset was greater than the background dataset based on the Wilcoxon statistical test
Rubidium	Water	Eliminated	The spring data set was not greater than the background data set based on the Wilcoxon statistical test.
Silicon	Water	Eliminated	The spring data set was not greater than the background data set based on the Wilcoxon statistical test.
Silicon Dioxide	Water	Eliminated	The spring data set was not greater than the background data set based on the Wilcoxon statistical test.
Strontium	Water	Retained	The spring data set was not greater than the background data set based on the Wilcoxon statistical test.
Titanium	Water	Retained	The spring dataset was greater than the background dataset based on the Wilcoxon statistical test
Tin	Water	Eliminated	The spring data set was not greater than the background data set based on the Wilcoxon statistical test.

4.4.3.2.2 Evaluation of Organic Chemicals - Springs

Complete analytical data for organic chemical analyses of spring waters are provided in of Appendix I. Validation results for these data are summarized in Appendix C. Overall very few qualifers were placed on the analytical results from the 41 water samples from the springs that are discussed in this subsection. SVOC results for sample 0316-97-3016 were rejected due to poor quality control.

Table 4.4-21 summarizes the frequency of detected organic chemicals—HE, VOCs, and SVOCs. Results above the detection limits for HE are shown in Table 4.4-22 for historical, non-validated, geochemical data and in Table 4.4-23 for the FY 1997 quarterly data. VOCs results above the detection limits are shown in Table 4.4-24 for historical, non-validated data, and in Table 4.4-25 for the FY 1997 quarterly data. The historical data is provided for completeness only and is not explicitly utilized in the COPC data review.

Table 4.4-21

Frequency of Detects For Organic Analytes for FY 1997 Quarterly Sampling Data

Analyte	Media	Number of Analyses	EQL (µg/l)	Concentration Range (µg/l)	Frequency of Detects
Amino-2,6-dinitrotoluene[4-]	Water	27	0.06	0.23–5.2	10/27
Amino-4,6-dinitrotoluene[2-]	Water	21	0.035	0.165–[2.5][a]	9/21
Dinitrobenzene[1,3-]	Water	27	0.11	[0.048–2.5]	1/27
Dinitrotoluene[2,4-]	Water	27	0.02	[0.036–2.5]	8/27
HMX	Water	27	ND[b]	[1]–17.7	13/27
Nitrotoluene[3-]	Water	27	ND	[0.104–10]	1/27
RDX	Water	27	0.84	1–157	27/27
Tetryl	Water	27	ND	[0.055–10]	2/27
Trinitrobenzene[1,3,5-]	Water	27	0.26	0.068–[2.6]	9/27
Trinitrotoluene[2,4,6-]	Water	27	0.11	[0.05–2.5]	2/27
Acetone	Water	16	20	12–55	9/16
Bromomethane	Water	16	10	4–[10]	1/16
Chloromethane	Water	16	10	5–30	6/16
Dichloroethane[1,2-]	Water	16	10	3–[7.7]	4/16
Tetrachloroethene	Water	16	5	2.8–[5]	1/16
Trichloroethene	Water	16	5	2–[5]	2/16
Di-n-butylphthalate	Water	26	10	1–[10]	1/25

[a] Brackets indicate the value is below detection limits, although some analytes may be detected at values within this range.

[b] ND = Not determined; assume EQL = 1 µg/l.

Table 4.4-22

High Explosives in TA-16 Springs - Historic Data

Sample ID	Description	Date	A-DNT (ppm)	HMX (ppm)	PETN (ppm)	RDX (ppm)	TNT (ppm)
Springs							
PP94-50	Burning Ground Spring	4/15/94	NA[a]	<0.02	<0.05	<0.02	<0.02
SSite96-5	Burning Ground Spring	3/01/96	NA	0.04	<0.05	0.01	<0.01
SSite96-17	Burning Ground Spring	4/10/96	NA	<0.02	<0.05	<0.01	<0.01
NMED	Martin Spring	5/12/95	0.0033	0.011	NA	0.1	ND[b]
PP95-132	Martin Spring	7/21/95	NA	0.05	<0.05	0.11	<0.02
SSite96-4	Martin Spring	3/01/96	NA	0.03	<0.05	0.11	<0.01
SSite96-15	Martin Spring	4/10/96	NA	0.02	<0.05	0.12	<0.01
PP94-74	SWSC Spring	8/12/94	NA	<0.02	<0.05	<0.02	<0.02
NMED	SWSC Spring	5/12/95	0.0023	0.0055	NA	0.083	ND
SSite96-18	SWSC Spring	4/10/96	NA	<0.02	<0.05	<0.01	<0.01
SSite96-6	SWSC Spring	3/01/96	NA	0.03	<0.05	0.02	<0.01

[a] NA = Not analyzed.

[b] ND = Not detected.

Table 4.4-23
High Explosives in TA-16 Springs - Quarterly Sampling Data

Analyte	Location ID[a]	Sample ID	Sample Concentration (µg/l)	Media	Collection Date	Field Prep
Amino-2,6-dinitrotoluene[4-]	16-2650	0316-96-3002	3.03	Water	20-Dec-96	Unfiltered
	16-2650	0316-97-3012	2.6	Water	27-Jun-97	Filtered
	16-2650	0316-97-3013	2.83	Water	27-Jun-97	Unfiltered
	16-2650	0316-97-3186	5.2	Water	19-Dec-97	Unfiltered
	16-2651	0316-96-3001	0.939	Water	20-Dec-96	Unfiltered
	16-2651	0316-97-3020	0.663	Water	27-Jun-97	Filtered
	16-2651	0316-97-3021	0.725	Water	27-Jun-97	Unfiltered
	16-2652	0316-96-3000	0.317	Water	20-Dec-96	Unfiltered
	16-2652	0316-97-3016	0.23	Water	27-Jun-97	Filtered
	16-2652	0316-97-3017	0.234	Water	27-Jun-97	Unfiltered
Amino-4,6-dinitrotoluene[2-]	16-2650	0316-96-3002	2.32	Water	20-Dec-96	Unfiltered
	16-2650	0316-97-3012	1.98	Water	27-Jun-97	Filtered
	16-2650	0316-97-3013	2.11	Water	27-Jun-97	Unfiltered
	16-2651	0316-96-3001	0.589	Water	20-Dec-96	Unfiltered
	16-2651	0316-97-3020	0.423	Water	27-Jun-97	Filtered
	16-2651	0316-97-3021	0.451	Water	27-Jun-97	Unfiltered
	16-2652	0316-96-3000	0.236	Water	20-Dec-96	Unfiltered
	16-2652	0316-97-3017	0.165	Water	27-Jun-97	Unfiltered
	16-2652	0316-97-3016	0.168	Water	27-Jun-97	Filtered
Dinitrobenzene[1,3-]	16-2651	0316-96-3001	0.074	Water	20-Dec-96	Unfiltered
Dinitrotoluene[2,4-]	16-2650	0316-96-3002	0.13	Water	20-Dec-96	Unfiltered
	16-2650	0316-97-3012	0.103	Water	27-Jun-97	Filtered
	16-2650	0316-97-3013	0.126	Water	27-Jun-97	Unfiltered
	16-2651	0316-96-3001	0.058	Water	20-Dec-96	Unfiltered
	16-2651	0316-97-3020	0.042	Water	27-Jun-97	Filtered
	16-2651	0316-97-3021	0.051	Water	27-Jun-97	Unfiltered
	16-2652	0316-96-3000	0.046	Water	20-Dec-96	Unfiltered
	16-2652	0316-97-3016	0.039	Water	27-Jun-97	Filtered
HMX	16-2650	0316-96-3002	17.7	Water	20-Dec-96	Unfiltered
	16-2650	0316-97-3012	16.6	Water	27-Jun-97	Filtered
	16-2650	0316-97-3013	16.9	Water	27-Jun-97	Unfiltered
	16-2650	0316-97-3111	7.2	Water	19-Sep-97	Unfiltered
	16-2650	0316-97-3186	9.4(J)[b]	Water	19-Dec-97	Unfiltered
	16-2651	0316-96-3001	2.57	Water	20-Dec-96	Unfiltered
	16-2651	0316-97-3021	2.23	Water	27-Jun-97	Unfiltered
	16-2651	0316-97-3020	2.26	Water	27-Jun-97	Filtered
	16-2652	0316-96-3000	1.8	Water	20-Dec-96	Unfiltered
	16-2652	0316-97-3016	1.56	Water	27-Jun-97	Filtered

Table 4.4-23 (continued)

Analyte	Location ID[a]	Sample ID	Sample Concentration (µg/l)	Media	Collection Date	Field Prep
HMX (continued)	16-2652	0316-97-3017	1.68	Water	27-Jun-97	Unfiltered
	16-2652	0316-97-3105	1.3	Water	19-Sep-97	Filtered
	16-2652	0316-97-3104	1.9(J-)[c]	Water	19-Sep-97	Unfiltered
Nitrotoluene[3-]	16-2651	0316-97-3020	0.111	Water	27-Jun-97	Filtered
RDX	16-2650	0316-96-3002	157	Water	20-Dec-96	Unfiltered
	16-2650	0316-97-3001	4.23	Water	31-Mar-97	Unfiltered
	16-2650	0316-97-3000	5.5	Water	31-Mar-97	Filtered
	16-2650	0316-97-3012	132	Water	27-Jun-97	Filtered
	16-2650	0316-97-3013	135	Water	27-Jun-97	Unfiltered
	16-2650	0316-97-3101	45	Water	19-Sep-97	Filtered
	16-2650	0316-97-3111	51	Water	19-Sep-97	Unfiltered
	16-2650	0316-97-3185	76	Water	19-Dec-97	Filtered
	16-2650	0316-97-3186	120	Water	19-Dec-97	Unfiltered
	16-2651	0316-96-3001	49.9	Water	20-Dec-96	Unfiltered
	16-2651	0316-97-3004	1.5	Water	31-Mar-97	Unfiltered
	16-2651	0316-97-3003	1.97	Water	31-Mar-97	Filtered
	16-2651	0316-97-3020	31.7	Water	27-Jun-97	Filtered
	16-2651	0316-97-3021	32	Water	27-Jun-97	Unfiltered
	16-2651	0316-97-3109	84	Water	22-Sep-97	Filtered
	16-2651	0316-97-3108	86	Water	22-Sep-97	Unfiltered
	16-2651	0316-97-3188	39	Water	19-Dec-97	Unfiltered
	16-2651	0316-97-3187	40	Water	19-Dec-97	Filtered
	16-2652	0316-96-3000	23.4	Water	20-Dec-96	Unfiltered
	16-2652	0316-97-3006	1	Water	31-Mar-97	Filtered
	16-2652	0316-97-3007	1.2	Water	31-Mar-97	Unfiltered
	16-2652	0316-97-3017	14.1	Water	27-Jun-97	Unfiltered
	16-2652	0316-97-3016	15	Water	27-Jun-97	Filtered
	16-2652	0316-97-3105	12	Water	19-Sep-97	Filtered
	16-2652	0316-97-3104	13(J-)	Water	19-Sep-97	Unfiltered
	16-2652	0316-97-3190	20	Water	19-Dec-97	Unfiltered
	16-2652	0316-97-3189	21	Water	19-Dec-97	Filtered
Tetryl	16-2650	0316-96-3002	0.683	Water	20-Dec-96	Unfiltered
	16-2651	0316-96-3001	0.072	Water	20-Dec-96	Unfiltered
Trinitrobenzene[1,3,5-]	16-2650	0316-96-3002	1.44	Water	20-Dec-96	Unfiltered
	16-2650	0316-97-3012	0.535	Water	27-Jun-97	Filtered
	16-2650	0316-97-3013	0.995	Water	27-Jun-97	Unfiltered
	16-2651	0316-96-3001	0.111	Water	20-Dec-96	Unfiltered
	16-2651	0316-97-3021	0.068	Water	27-Jun-97	Unfiltered

Table 4.4-23 (concluded)

Analyte	Location ID[a]	Sample ID	Sample Concentration (µg/l)	Media	Collection Date	Field Prep
Trinitrobenzene[1,3,5-] (continued)	16-2651	0316-97-3020	0.14	Water	27-Jun-97	Filtered
	16-2652	0316-96-3000	0.65	Water	20-Dec-96	Unfiltered
	16-2652	0316-97-3017	0.337	Water	27-Jun-97	Unfiltered
	16-2652	0316-97-3016	0.484	Water	27-Jun-97	Filtered
Trinitrotoluene[2,4,6-]	16-2650	0316-96-3002	0.075	Water	20-Dec-96	Unfiltered
	16-2650	0316-97-3013	0.051	Water	27-Jun-97	Unfiltered

[a] Location ID 16-2650 = Martin Spring, Location ID 16-2651 = SWSC Spring, 16-2652 = Burning Ground Spring.

[b] J = The reported value is an estimated quantity.

[c] J- = The analyte was positively identified, and the result is likely biased low.

Table 4.4-24

Volatile Organics in TA-16 Springs - Historic Data

Sample ID	Description	Date	Cis-1,2-dichloropropene (ppm)	Tetrachloroethene (ppm)	Trichloroethene (ppm)
Springs					
NMED	Burning Ground Spring	3/17/95	ND[a]	0.0028	0.0026
NMED	Burning Ground Spring	5/12/95	ND	0.0032	0.0034
NMED	Martin Spring	5/12/95	ND	ND	0.0009
NMED	SWSC Spring	3/17/95	ND	0.0023	0.0022
NMED	SWSC Spring	5/12/95	ND	0.0022	0.0024

[a] ND = Not detected.

Table 4.4-25

Volatile and Semivolatile Organics in TA-16 Springs - Quarterly Sampling Data

Analyte	Location ID[a]	Sample ID	Sample Concentration (µg/l)	Media	Collection Date	Field Prep
Acetone	16-2650	0316-96-3002	18(J)[b]	Water	20-Dec-96	Unfiltered
	16-2650	0316-97-3001	39	Water	31-Mar-97	Unfiltered
	16-2650	0316-97-3111	34	Water	19-Sep-97	Unfiltered
	16-2650	0316-97-3186	55	Water	19-Dec-97	Unfiltered
	16-2651	0316-96-3001	12(J)	Water	20-Dec-96	Unfiltered
	16-2651	0316-97-3108	36	Water	22-Sep-97	Unfiltered
	16-2652	0316-96-3000	18(J)	Water	20-Dec-96	Unfiltered
	16-2652	0316-97-3007	26	Water	31-Mar-97	Unfiltered
	16-2652	0316-97-3104	29	Water	19-Sep-97	Unfiltered

Table 4.4-25 (concluded)

Analyte	Location ID[a]	Sample ID	Sample Concentration (µg/l)	Media	Collection Date	Field Prep
Bromomethane	16-2652	0316-96-3000	4(J)	Water	20-Dec-96	Unfiltered
Chloromethane	16-2650	0316-96-3002	16	Water	20-Dec-96	Unfiltered
	16-2650	0316-97-3001	12	Water	31-Mar-97	Unfiltered
	16-2650	0316-97-3186	11	Water	19-Dec-97	Unfiltered
	16-2651	0316-96-3001	12	Water	20-Dec-96	Unfiltered
	16-2651	0316-97-3021	5	Water	27-Jun-97	Unfiltered
	16-2652	0316-96-3000	30	Water	20-Dec-96	Unfiltered
Dichloroethane[1,2-]	16-2650	0316-96-3002	5	Water	20-Dec-96	Unfiltered
	16-2651	0316-96-3001	3(J)	Water	20-Dec-96	Unfiltered
	16-2651	0316-97-3021	4	Water	27-Jun-97	Unfiltered
	16-2652	0316-96-3000	6	Water	20-Dec-96	Unfiltered
Tetrachloroethene	16-2651	0316-97-3021	2.8	Water	27-Jun-97	Unfiltered
Trichloroethene	16-2651	0316-97-3021	2	Water	27-Jun-97	Unfiltered
	16-2652	0316-96-3000	2(J)	Water	20-Dec-96	Unfiltered
Di-n-butylphthalate	16-2652	0316-96-3000	1(J)	Water	20-Dec-96	Unfiltered

[a] Location ID 16-2650 = Martin Spring, Location ID 16-2651 = SWSC Spring, 16-2652 = Burning Ground Spring

[b] J = The reported value is an estimated quantity.

The following organic analytes—HE, SVOCs, and VOCs—were detected in waters from TA-16 springs during the FY 1997 quarterly sampling campaign: amino-2,6 dinitrotoluene, amino-4,6-dinitrotoluene, 2,4-dinitrotoluene, HMX, 3-nitrotoluene, RDX, 1, 3, 5-trinitrobenzene, 2, 4, 6-trinitrotoluene, acetone, chloromethane, 1,2-dichloroethane, tetrachloroethene, and trichloroethene (see Tables 4.4-22 through 4.4-25). The HE and other organics are discussed separately below.

High Explosives

High explosives, particularly RDX, were detected in almost all of the FY 1997 quarterly sampling rounds (Table 4.4-23). The following discussion focuses on RDX because it is the most frequently detected HE in the springs, and because it presents the greatest risk to human health due to its carcinogenic potential.

RDX values range significantly (greater than one order of magnitude) in all three springs: SWSC ranges from 1.5 to 86 µg/l, Burning Ground ranges from 1 to 23.4 µg/l, and Martin ranges from 4.23 to 157 µg/l. Martin Spring typically has higher RDX (and other HE) levels during any seasonal sampling episode. The March sampling round universally had the lowest RDX (and other HE) abundance. However, the highest abundances varied with the season for the three springs, with Martin highest in June, SWSC highest in September, and Burning Ground highest in December. Unfiltered samples are typically slightly higher in RDX (and other HE) abundance than filtered samples (Table 4.4-23). The FY 1997 quarterly data are consistent with data reported in the 1996 RFI Report (LANL 1996, 55077 p. C-10) and reproduced in

Table 4.4-22. The earlier data included a high RDX value of 120 µg/l in Martin Spring and a low value of less than 10 µg/l in Burning Ground Spring.

Table 4.4-26 summarizes the evidence for a release of high explosives appearing in Table 4.4-23 and identifies those which are carried forward into Sections 5 and 6.

Table 4.4-26
Results of HE Data Review for Springs

Analyte	Media	Result	Rationale for Retaining as a COPC
Amino-2,6-dinitrotoluene[4-]	Water	Retained	10 out of 27 samples exceeded the detection limit
Amino-4,6-dinitrotoluene[2-]	Water	Retained	9 out of 21 samples exceeded the detection limit
Dinitrobenzene[1, 3-]	Water	Retained	1 out of 27 samples exceeded the detection limit
Dinitrotoluene[2, 4-]	Water	Retained	8 out of 27 samples exceeded the detection limit
HMX	Water	Retained	13 out of 27 samples exceeded the detection limit
Nitrotoluene[3-]	Water	Retained	1 out of 27 samples exceeded the detection limit
RDX	Water	Retained	27 out of 27 samples exceeded the detection limit
Tetryl	Water	Retained	2 out of 27 samples exceeded the detection limit
Trinitrobenzene [1, 3, 5-]	Water	Retained	9 out of 27 samples exceeded the detection limit
Trinitrotoluene[2,4,6-]	Water	Retained	2 out of 27 samples exceeded the detection limit

Volatile and Semivolatile Organic Compounds

With the exception of acetone, VOCs and SVOCs were rarely detected in the TA-16 springs (Tables 4.4-24 through 4.4-25). Acetone was detected in all three springs and during four out of the five quarterly sampling events. The maximum acetone value (55 µg/l) was in the December 1997 sampling round. During June 1997, 1, 2- dichloroethane, tetrachloroethene, and trichloroethene were each detected in a single sample round at SWSC Spring. Levels of these analytes were all less than 5 µg/l. Chloromethane was detected in all three springs. Chloromethane levels ranged from 5 to 30 µg/l. Systematics in volatile abundance are difficult to evaluate with such sparse data. Only unfiltered volatile samples were collected to avoid analyte volatilization. Volatile organic data for the FY 1997 quarterly sampling are generally consistent with data reported in the 1996 RFI report (LANL 1996, 55077 p. C-12), in which tetrachloroethene and trichloroethene were reported as present at levels less than 5 µg/l in SWSC, Burning Ground and Martin Springs (Table 4.4-24).

Table 4.4-27 summarizes the evidence for a release of VOCs and SVOCs organics appearing in Table 4.4-25 and identifies those which are carried forward into Sections 5 and 6.

Table 4.4-27
Results of Volatile and Semivolatile Organic Data Review for Springs

Analyte	Media	Result	Rationale for Retaining as a COPC
Acetone	Water	Retained	9 of the 16 samples exceed the detection limit
Bromomethane	Water	Retained	1 of the 16 samples exceed the detection limit
Chloromethane	Water	Retained	6 of the 16 samples exceed the detection limit
Dichloroethane[1,2-]	Water	Retained	4 of the 16 samples exceed the detection limit
Di-n-butylphthalate	Water	Retained	1 out of 25 samples exceeded the detection limit
Tetrachlorolethene	Water	Retained	1 of the 16 samples exceed the detection limit
Trichloroethene	Water	Retained	2 of the 16 samples exceed the detection limit

4.4.3.2.3 Tritium and Stable Isotopes

Tritium and stable isotope data for SWSC, Burning Ground, and Martin Springs are shown in Table 4.4-28. All of these data were originally presented in the Phase I RFI Report for PRS 16-021(c). These data provide information on the possible sources of TA-16 Spring waters.

Table 4.4-28
Tritium and Stable Isotopes in TA-16 Spring Waters

Sample ID	Description	Date	∂D (‰)	∂18O (‰)	Tritium Units
SSite96-5	Burning Ground Spring	3/01/96	NA[a]	NA	33.5
SSite96-17	Burning Ground Spring	4/10/96	--79.0	--11.8	NA
SSite96-27	Burning Ground Spring	7/12/96	--71.0	--11.1	NA
PP95-132	Martin Spring	7/21/95	--73.0	--11.2	32.9
SSite96-4	Martin Spring	3/01/96	NA	NA	0.2
SSite96-15	Martin Spring	4/10/96	--73.0	--11.2	NA
SSite96-23	Martin Spring	7/12/96	--66.0	--9.9	NA
SSite96-6	SWSC Spring	3/01/96	NA	NA	35.7
SSite96-18	SWSC Spring	4/10/96	--76.0	--11.7	NA
SSite96-26	SWSC Spring	7/12/96	--64.0	--11.1	NA

[a] Not analyzed.

This limited set of tritium and stable isotope date show variability in samples from the same spring taken during different sampling events. This variability most likely reflects isotopic changes associated with different storm events. TA-16 spring waters fall along the meteoric water line for the Jemez Mountains (Vuatez and Goff 1986, 40083). All three springs contain tritium at levels ranging from 32 to 36 tritium units. These levels are consistent with derivation from water that recharges from local precipitation (Blake et al. 1995, 49931) and are probably less than or equal to 5 years old.

4.4.3.2.4 Flow Measurements and Tracer Data

All three springs were instrumented with ISCO autosamplers, Miltronics flow-measurement sensors, and Sutron data loggers during September 1996. Daily sampling for anions (chloride, nitrate, sulfate, fluoride, bromide, and phosphate), which were analyzed using ion chromatography in the LANL Geology and Geochemistry group (EES-1) laboratory, began during March 1997. These data required rapid turnaround and were not validated. This sampling began just prior to deployment of a potassium bromide tracer in the TA-16-260 outfall.

The hydrographic record for the three springs is shown in Figure 4.4-10. All three springs display seasonal variability over a factor of two to three in flow (Figure 4.4-10). Each displays three broad peaks in the hydrographs – one centered on October 1996, one on May 1997, and one on September of 1997. The relative magnitudes of these hydrograph peaks varies among the three springs (Figure 4.4-10). These peaks appear to correspond with the fall 1996 monsoon season (Figure 4.4-11), spring 1997 snowmelt, and the fall 1997 monsoons. These data suggest relatively rapid connectivity of precipitation water with the three TA-16 springs.

Anion data is plotted versus time in Figures 4.4-12(a–c). All three Springs show significant variability (+ 50% from the low anion values to the high anion values) on a long term basis (9–12 months). Chloride, sulfate, and nitrate exhibit similar variability in SWSC and Burning Ground Springs. Each of these analytes in springs exhibits a broad minima in concentration between July and October 1997 followed by a broad maxima from October 1997 through April 1998 (Figure 4.4-12[a–b]). Martin Spring exhibits a narrower but large magnitude concentration minima for these analytes between August 1997 and October 1997 (Figure 4.4-12[c]). Neither of these minima or maxima appears to correlate directly with features observed in the hydrograph. Phosphate, an element indicative of anthropogenic inputs when present at levels greater than 100 μg/l (Blake et al. 1995, 49931, p. 16), exhibits large, spiky increases in the plots for SWSC and Burning Ground Springs, the former peaking at greater than 2000 μg/l and the latter peaking at greater than 1600 μg/l (Figure 4.4-12). Interestingly, the peak for Burning Ground Spring lags about a month behind that for SWSC Spring (April 1998 for Burning Ground and March 1998 for SWSC). Martin Spring does not show a large, short-lived peak in phosphate abundance but does show phosphate values at levels greater than 200 μg/l. All of these phosphate data suggest anthropogenic contribution to spring water, with intermittent very high anthropogenic levels observed in SWSC and Burning Ground Springs.

Bromide was introduced into the TA-16-260 pond in April 1997. Bromide exhibits a clear spike in abundance in the SWSC Spring data (Figure 4.4-12[a]). This bromide breakthrough during August 1997 suggests fast-pathway connectivity between the TA-16-260 outfall and SWSC Spring. The spiky, intermittent nature of this breakthrough curve is suggestive of fracture transport. The bromide profile for Burning Ground Spring suggests a broad bromide maximum starting in August 1997 (Figure 4.4-12[b]). The bromide profile for Martin Spring exhibits no evidence for tracer breakthrough. Rather it shows broad cyclic peaks in bromide that appear to last for roughly 1.5 to 2 months.

To examine the bromide breakthrough in more detail bromide/chloride was plotted against time (Figure 4.4-13). Normalization of one conservative tracer (bromide) to a second conservative tracer (chloride) minimizes baseline changes in conservative element variation. These plots confirm the bromide breakthrough in SWSC Line Spring and further suggest that bromide has broken through in Burning Ground Spring.

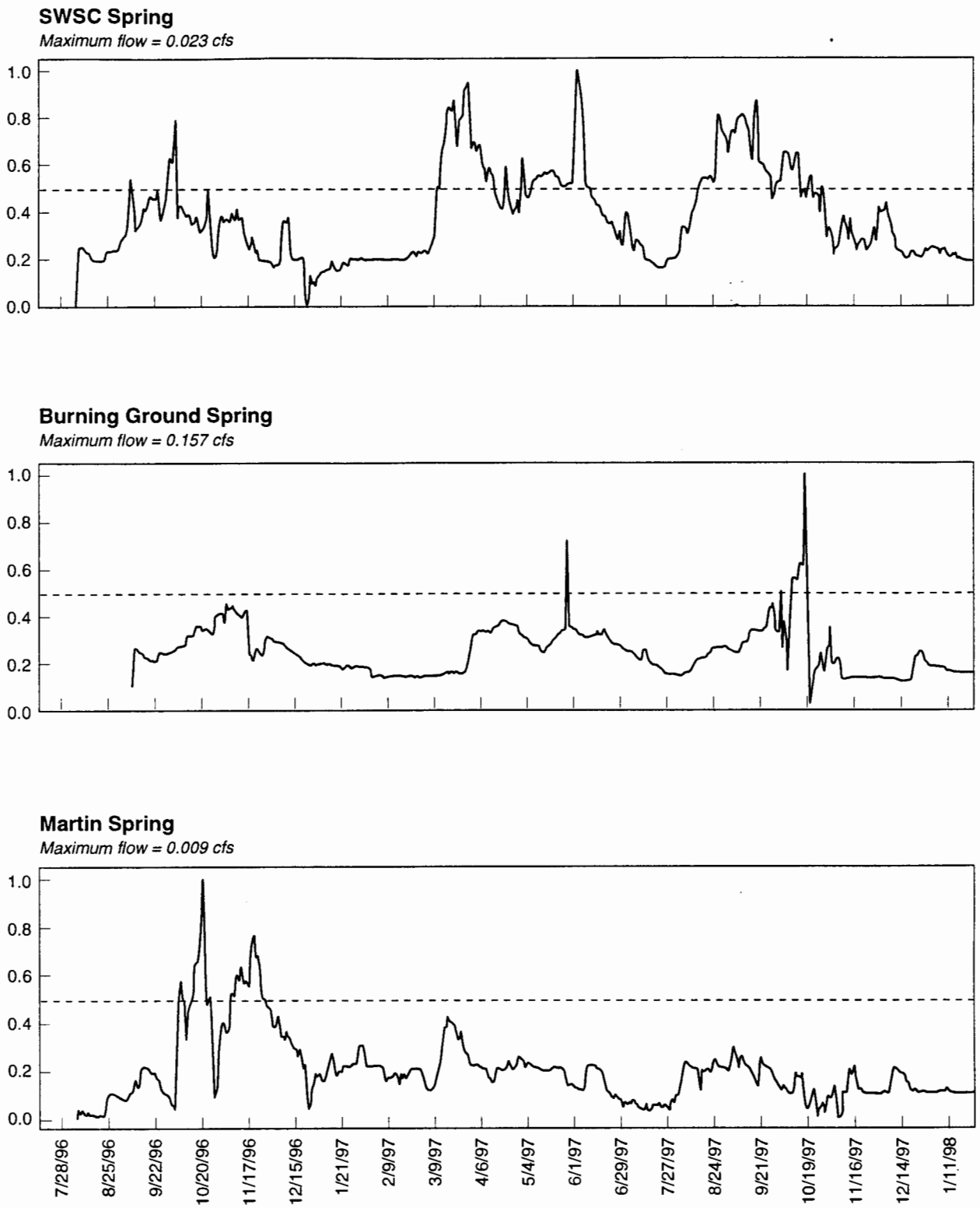


Figure 4.4-10. Relative flow rates for SWSC, Burning Ground, and Martin Springs vs. time; all are normalized to the highest flow rate for an individual spring

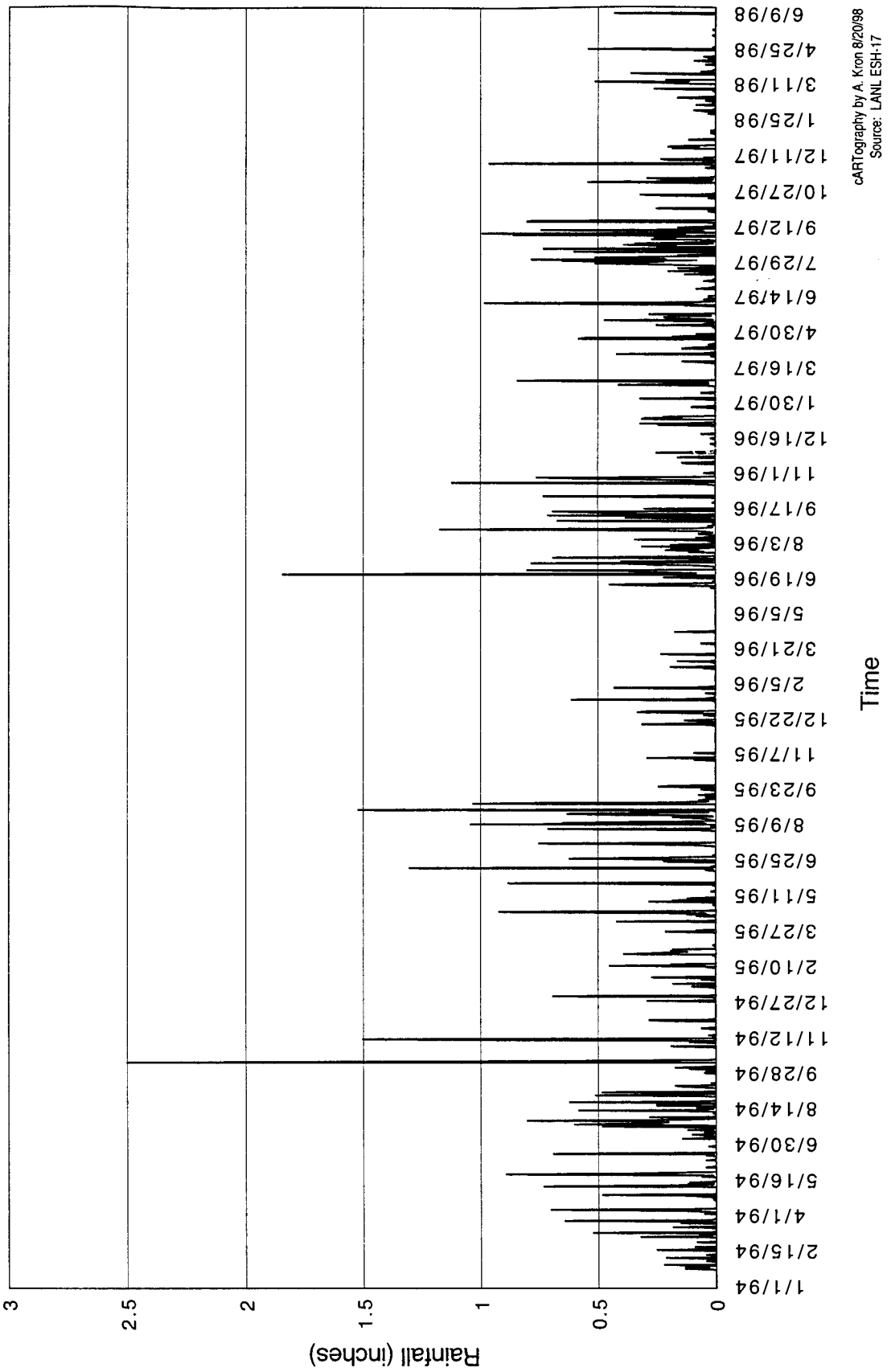


Figure 4.4-11. Rainfall versus time

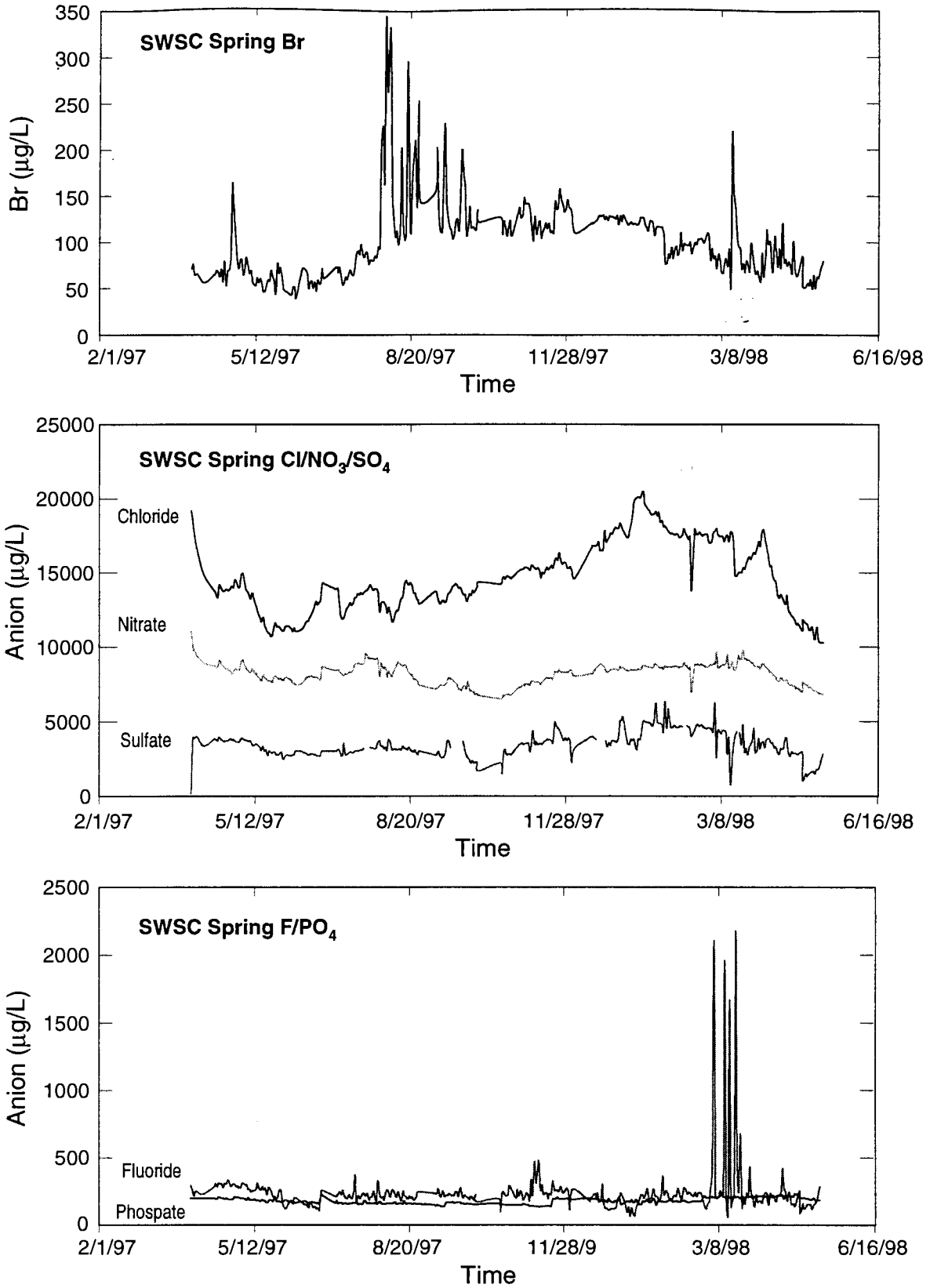


Figure 4.4-12(a). Anion concentrations vs. time for SWSC Spring

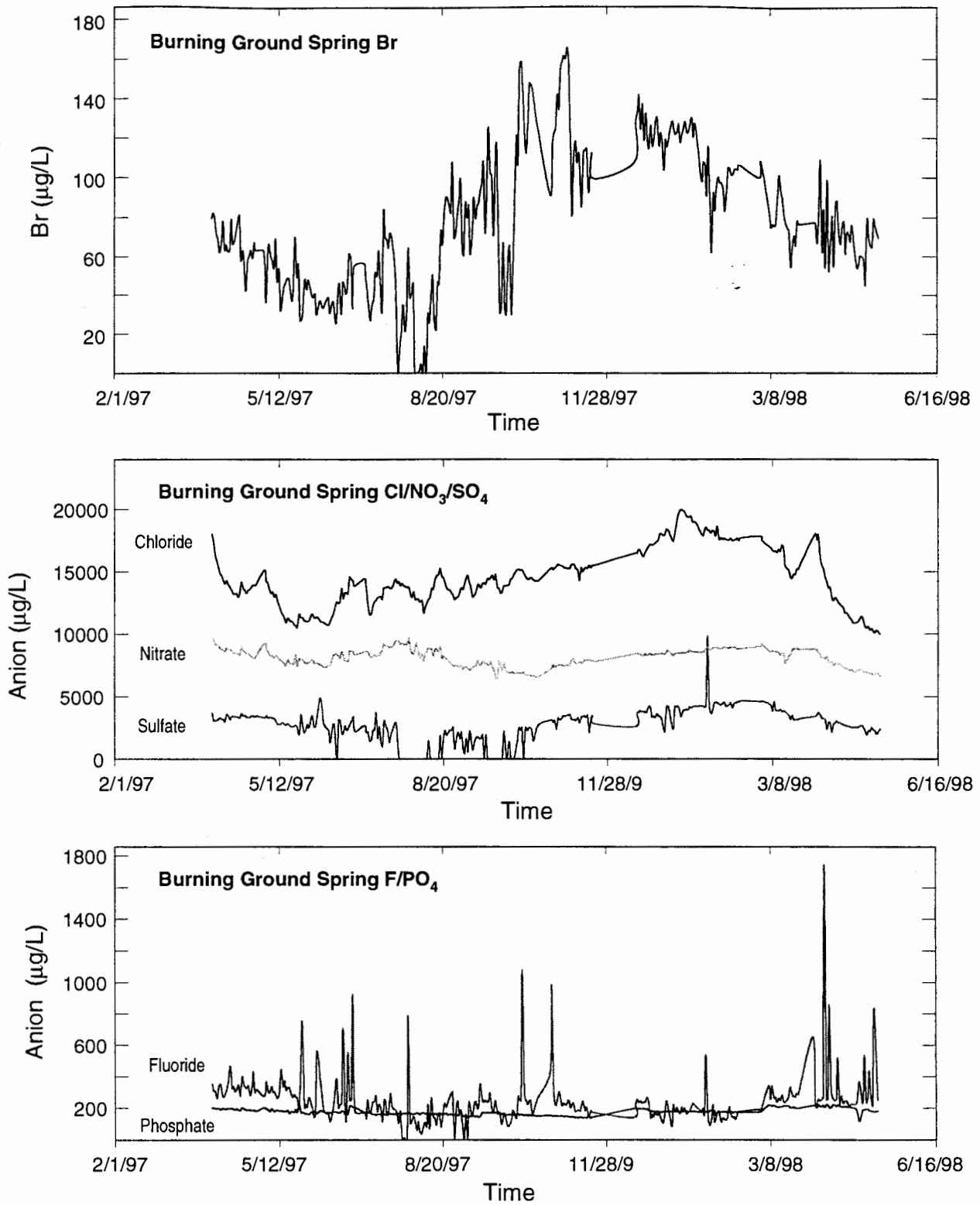


Figure 4.4-12(b). Anion concentrations vs. time for Burning Ground Spring

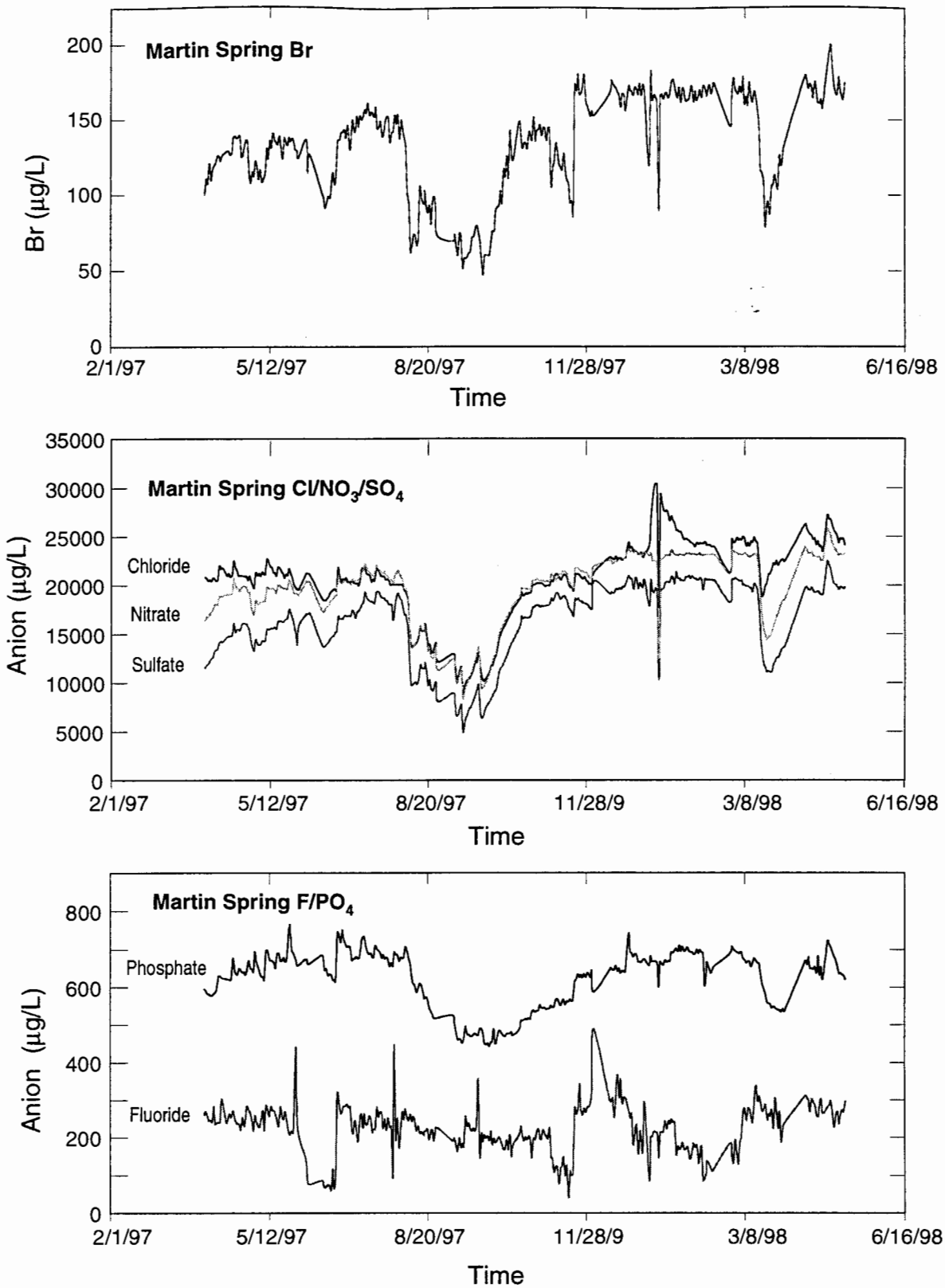
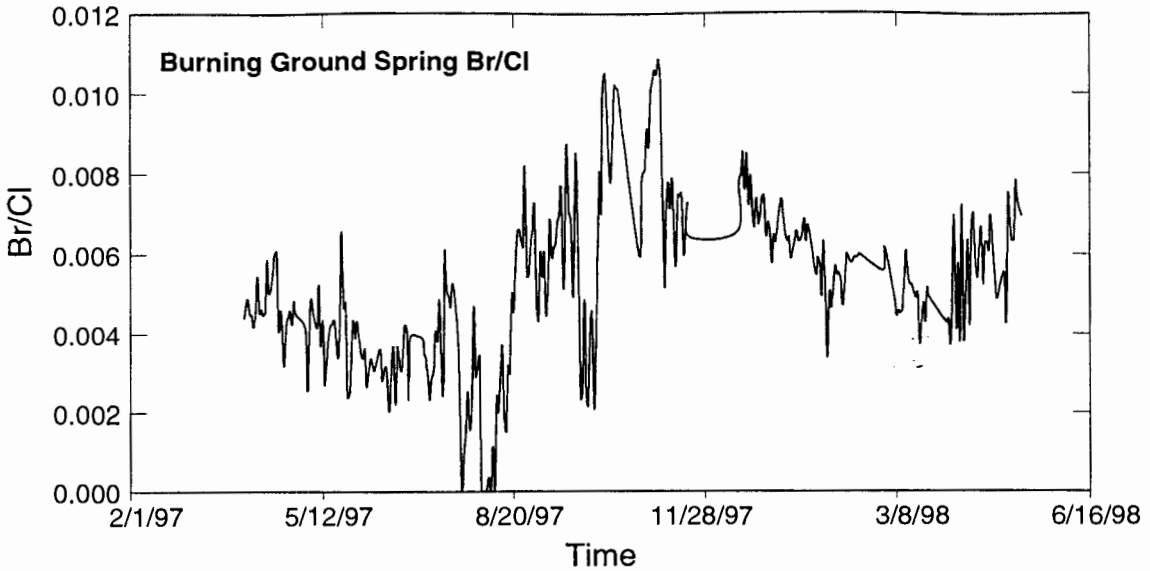


Figure 4.4-12(c). Anion concentrations vs. time for Martin Spring



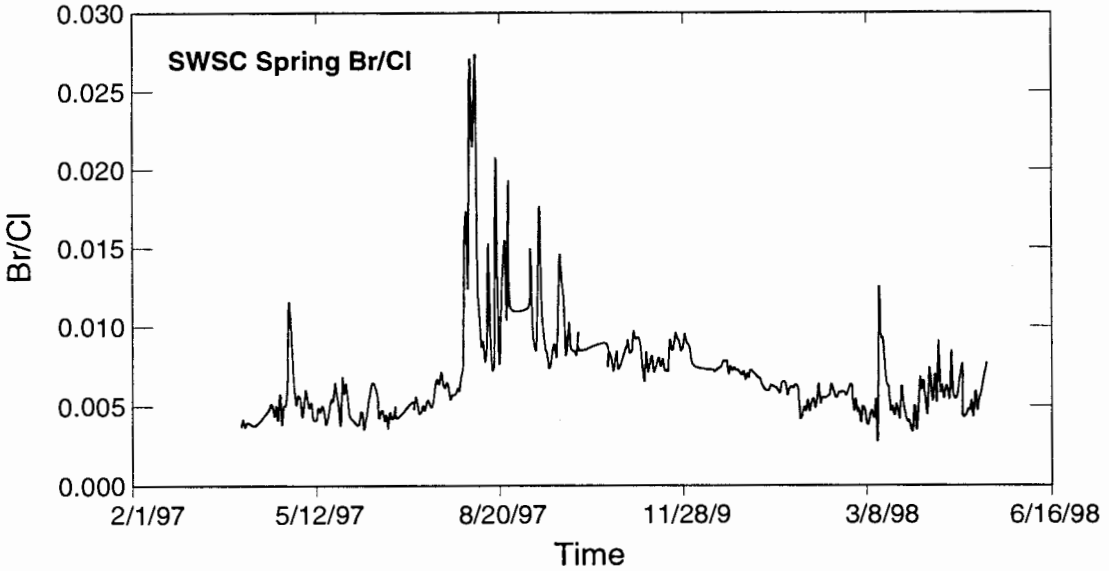


Figure 4.4-13. Br/Cl vs. time for Burning Ground and SWSC Springs

To examine the bromide breakthrough in more detail bromide/chloride was plotted against time (Figure 4.4-13). Normalization of one conservative tracer (bromide) to a second conservative tracer (chloride) minimizes baseline changes in conservative element variation. These plots confirm the bromide breakthrough in SWSC Line Spring and further suggest that bromide has broken through in Burning Ground Spring.

4.4.4 Data Summary and Interpretation

This section : 1) reviews results from previous sections and summarizes COPCs in the TA-16-260 subsurface; and 2) discusses the 'extent' of these COPCs in subsurface tuff and in the vadose zone saturated system manifest in the TA-16 springs.

4.4.4.1 Major COPCs

The following constituents were identified as COPCs in:

- the subsurface tuff: antimony, calcium, mercury, selenium, silver, acetone and bis(2-ethylhexyl)phthalate (note that several of these COPC were identified because the detection limit was greater than the background value)
- the intermediate depth borehole water: iron, magnesium, manganese, nickel, sodium, 2, 4-dinitrotoluene, HMX, RDX, and 2, 4, 6-trinitrotoluene; and
- the springs: boron, bicarbonate, calcium, chloride, fluoride, magnesium, silicon dioxide, sodium, strontium, sulfate, aluminum, ammonium, barium, iron, manganese, nitrate, phosphate, titanium, amino-2,6-DNT, amino-4, 6 DNT, 1, 3-dinitrobenzene, 2, 4-dinitrotoluene, HMX, 3-nitrotoluene, RDX, tetryl, 1, 3, 5- trinitrobenzne, 2, 4, 6-trinitrotoluene, acetone, bromomethane, chloromethane, 1, 2-dichloroethane, di-n-butylphthalate, and trichlorethene

based on the previously presented data review of RFI data. All of these will receive further analysis in Section 6. Many of these constituents (e.g., barium, manganese, amino-2,6-DNT, amino-4, 6 DNT, 1, 3-dinitrobenzene, 2, 4- dinitrotoluene, HMX, 3-nitrotoluene, RDX, 1, 3, 5- trinitrobenzne, 2, 4, 6-trinitrotoluene, acetone, chloromethane, 1, 2-dichloroethane, di-n-butylphthalate, and trichlorethene) were also identified as COPCs in the TA-16 source region (Section 2) suggesting that a genetic link between the TA-16-260 outfall and the springs is likely, although not required by the data.

4.4.4.2 Extent of Contamination

The analytical data from the deep borehole tuff and water suggest that the standard notion of extent of contamination—where a "plume" of steadily decreasing constituent concentration is observed in the environment radiating out from a source of anthropogenic contamination — is not relevant for the subsurface at TA-16. High levels of HE were observed in water samples collected in intermittently saturated zones in two hydrologic boreholes (16-2665 and 16-2669) located at TA-16. These high-HE waters were each found at the bottom of greater-than-one-hundred foot BHs containing no HE in the tuff near the QBt_3/Qbt_4 contact. As suggested in Chapter 2, constituent transports in the TA-16 subsurface appears to be dominated by transport along fast, saturated pathways such as surge beds and heavily fractured units.

4.5 Implications for the TA-16 Hydrogeologic Model

4.5.1 Major Constituents

The major constituent data for the TA-16 springs are important because they suggest that these spring waters differ significantly from background springs. Much of the water in all of these springs probably represents anthropogenic sources, although most of the major constituents do not represent significant hazards to human health and the environment.

The following generalizations can be made about the major constituent data for the TA-16 springs:

- The TA-16 springs typically have higher abundances of both major anions and cations than the background springs. This is reflected in the abundance of the cations silicon, calcium, magnesium, strontium, boron, and sodium; in the anions bicarbonate, sulfate, chloride, and fluoride; and in the TDS. The TA-16 springs represent higher ionic strength fluids than the background springs.

- Martin Spring typically has the highest abundances of all the major cations and anions and the highest TDS. It appears to be geochemically distinct compared to the other two springs.

- Boron in Martin Spring is over an order of magnitude higher in abundance than in the SWSC or Burning Ground Springs or in the background springs. Boron in Martin Spring probably represents anthropogenic contamination. Possible sources of boron include: 1) locales where the HE boracitol (a mixture of boric acid and TNT) was processed such as V-Site and TA-16-260 and 2) the TA-16 laundry facilities, which discharged to the TA-16 site-wide sewage system.

Comparison of TA-16 springs data with geochemical data from the Laboratory as a whole (Blake et al. 1995, 49931), with precipitation (Adams et al. 1995, 47192) and with geochemical data from TA-16 (LANL 1996, 55077, Appendix C) can provide insights into possible sources of recharge to the TA-16 springs. Major anions and cations are particularly useful for investigating volumetrically significant sources of recharge. The principal drawback to such simple comparisons between existing data sets and the springs data for major constituents is that, with the exception of conservative elements such as chloride, the abundances of major ions can change significantly along their flow path due to interactions with minerals in sediments and in the vadose zone.

Possible sources of high ionic strength fluids include:

- The TA-16 Steam Plant and its derived waters in the Steam Plant and 90s-Line drainage (Figure 4.5-1). Analyses of the Steam Plant drainage alluvial borehole (see Chapter 3) show high calcium sodium, magnesium, and chloride. Analyses of the 90s-Line drainage, which received discharge from the TA-16 Steam Plant, (LANL 1996, 55077, p. C-8) show high silicon dioxide (145 730 and 150 230 µg/l), sodium (134 000 and 154 000 µg/l), bicarbonate (311 000 and 345 000 µg/l), and TDS (636 000 and 749 400 µg/l). All of these levels are higher than the levels measured in TA-16 springs.

- The TA-16 Waste Water Treatment Plant (WWTP). Two analyses of water from the TA-16 WWTP show high TDS (319 500 and 440 100 µg/l), sodium (117 000 and 80 900 µg/l), calcium (30 200 and 23 500 µg/l), silicon dioxide (76 610 and 83 030 µg/l), chloride (216 000

and 136 000 µg/l) and bicarbonate (101 000 and 93 200 µg/l). The WWTP received sewage effluent from across TA-16 and discharged treated effluent until it was decommissioned in 1992. The WWTP is located within 1000 ft of Martin Spring (Figure 4.5-1).

- Deep well water derived from the Puye Formation and Santa Fe Group. A large number of well and spring samples (Blake et al. 1995, 49931, p. 10-12) derived from within the Puye and Santa Fe Groups contain high ionic strength fluids with high TDS and associated high values of sodium, bicarbonate and other major cations and anions. For conservative ions, Blake et al (Blake et al. 1995, 49931, p. 5-6) hypothesize that this higher ionic strength is due to the slightly higher temperatures typical of these deep waters and to the older age of these fluids, which allows longer exposure times to soluble matter (Blake et al. 1995, 49931).

- Surface waters that include a component of road salt. TA-16 roads are frequently salted during the winter months. Runoff from these salted roads will be at higher ionic strength than typical precipitation and water from pristine springs without anthropogenic inputs.

Both TA-16 process water (LANL 1996, 55077, p. C-7) and local precipitation (Adams et al. 1995, 47192, p. 7-9) have low TDS (less than 200 000 µg/l). During interaction with tuff and sediments these process waters or rainwaters could dissolve additional constituents and achieve higher ionic strengths. However, it is unlikely that such interactions would yield higher values than observed in background springs, which presumably undergo similar precipitation/tuff interactions.

To summarize, the major element data suggests a significant component of high TDS involvement in recharge of the TA-16 springs. This is unlike the majority of the background springs. The distinct differences in major element chemistry between SWSC and Burning Ground Springs vs. Martin Spring suggest that the former two springs are part of a related saturated system, whereas the latter spring may have different recharge sources. Multiple recharge sources at TA-16 are likely.

4.5.2 Minor Constituents

The minor constituents are important because they, like major constituents, can help identify anthropogenic sources of water in springs. More importantly, minor constituents such as barium represent the principle inorganic constituents of concern in the TA-16 springs.

The following generalizations can be made about the minor constituent data for the TA-16 springs:

- The TA-16 springs typically have higher abundances of some minor cations (e.g., aluminum, barium, iron, manganese, and titanium) and minor anions (e.g., nitrate, and phosphate) than the background springs.

- SWSC and Burning Ground Spring typically have higher abundances of elements that show systematic differences between filtered and unfiltered samples (aluminum, iron, manganese, and titanium). These are all elements that are likely to be associated with colloidal transport. Martin spring is distinctly different from the other two spring in several minor constituents (e.g. barium, nitrate).

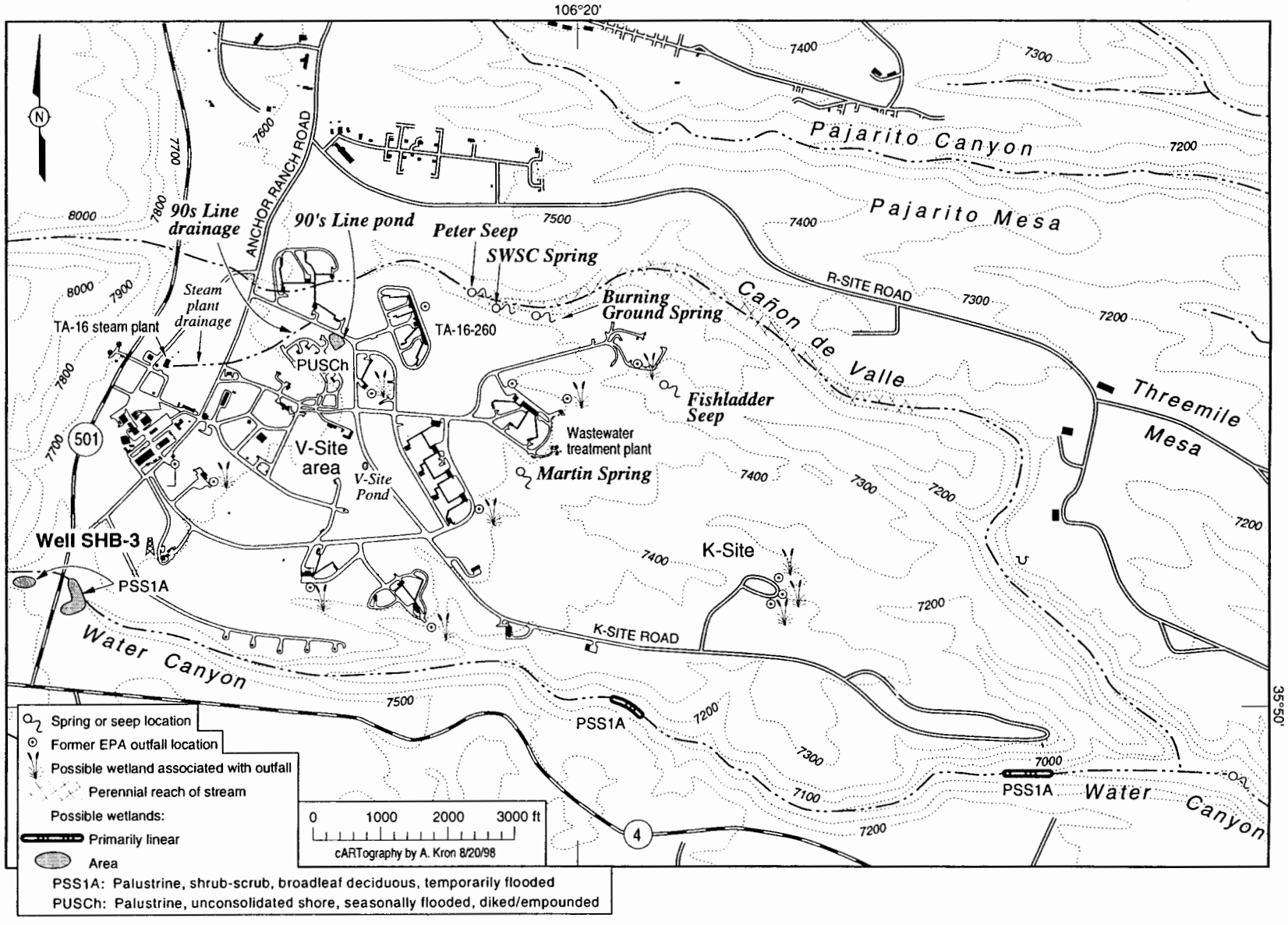


Figure 4.5-1. Spring, surface water and assorted sampling locations

- Phosphate and ammonium are possible indicators of anthropogenic contamination. Blake and co-workers (Blake et al. 1995, 49931, p. 16) suggest that phosphate levels greater than 100 µg/l indicate anthropogenic contamination. All of the TA-16 springs consistently exceed this value in the FY 97 quarterly data set, the historic geochemical data set, and the tracer study data set. Ammonium is anomalously high in samples from the TA-16 WWTP (Figure 4.5-1) (LANL 1996, 55077).
- Barium in all three springs is more than a factor-of-three greater than background levels. Nitrate, particularly in Martin Spring, is elevated by a factor of up-to-ten in springs relative to background springs. These elements have known sources at TA-16, and probably represent anthropogenic contamination.

Like the major constituents, the minor constituents suggest different recharge sources for SWSC/Burning Ground springs relative to Martin Spring. Because many of the minor constituents such as barium, nitrate, phosphate and ammonium are indicators of anthropogenic contamination, and because their signature also differ between SWSC/Burning Ground versus Martin Spring, the minor constituent data suggests differing proportions of anthropogenic sources between these two hydrolcgic systems.

4.5.3 Tracer Study

The results of the tracer study provide the most definitive evidence for the connectivity of the 260 outfall source region with SWSC and probably Burning Ground Springs. The rapid (less than six month) tracer breakthrough suggests extremely rapid transport through the vadose zone. Both this rapid transport and the spiky nature of the breakthrough curve are strongly suggestive of fracture-dominate flow.

4.5.4 Spring Dynamics

Figure 4.5-2(a–c) shows plots of constituent concentrations versus time for four representative constituents (calcium, barium, iron, and RDX) in the three springs. Figure 4.5-3(a–c) shows the same constituent concentrations plotted against flow. These constituents were chosen because: 1) they represent among the highest concentration COPCs (RDX and barium) observed in springs; 2) each of their behavior is similar to that of many other elements; and 3) all of these analytes were detected in both filtered and unfiltered samples in each of the quarterly sampling rounds.

Calcium was selected as a representative major cationic constituent. The cations magnesium, and sodium exhibit similar concentration versus flow behavior. Although data is sparser for anions, charge balance requirements suggest that similar variability will be observed for major anions. In all cases, calcium and the other major constituents with similar behavior are characterized by concentration versus flow plots in which high concentrations are observed during low-flow conditions, the concentration drops to a minimum as flow increases to moderate levels, and then the concentration increases as flow further increases (Figure 4.5-3) .

For Burning Ground Spring the constituent minima typically occurs at 2500 CF of daily flow, for SWSC Spring at 600 CF of daily flow, and for Martin Spring at 120 CF of daily flow. This minima in concentration was in the June 1997 sampling round, at the tail end of spring run-off and just prior to the summer monsoons (Figure 4.5-2). Calcium concentration decease is much smaller in Burning Ground (~17000 to ~15 000 µg/l) and SWSC ~19 000 to 15 000 µg/l) springs than in Martin spring (~30 000 to 20 000 µg/l). In each spring the increase in calcium abundance with further increase in flow is to a level midway between the low-flow concentration maxima and the moderate-flow concentration minima.

Barium Barium was selected because it is a principal constituent of concern associated with the TA-16-260 system. Its behavior on a flow vs. concentration plot is somewhat similar to calcium, with high concentrations at low flow, lower concentration at moderate flow and moderate concentrations at high flow (Figure 4.5-3) . For barium the variability in SWSC and Burning Ground Springs appears to be larger than that in Martin spring, although one very low barium value for a single filtered sample confound this interpretation to some degree.

Iron Iron was selected because its behavior on a flow versus concentration plot is different from calcium and the other major cations, but rather is similar to aluminum and, to a lesser degree, manganese. Its behavior on a flow vs. concentration plot shows a steady increase in constituent concentration with increase in flow (Figure 4.5-3). This increase is typically much larger (on a percentage of total ion) for iron than for calcium and the major cationic constituents. For example, iron in Burning Ground spring increases from ~ 500 µg/l to ~ 2000 µg/l; in SWSC spring it increase from ~ 500 to ~2500 µg/l, and in Martin Spring it increases from ~ 500 to ~ 2000 µg/l. Aluminum shows similar magnitude increases in concentration versus flow for all springs. These constituent are those that typically are dominated by colloidal transport and that are typically associated with fine-grained ferrihydroxides and clays in soils.

RDX RDX was selected as a representative high explosive both because it is a significant risk driver and because it was the HE that was detected in the most spring quarterly sampling analyses (Table 4.4-23). RDX exhibits unusual behavior when compared to any of the cations described above. In Burning Ground Spring RDX concentration decreases from ~ 20 µg/l at low flow conditions to less than 5 µg/l at high flow conditions. In SWSC Spring RDX drops from ~ 40 µg/l at low flow conditions to less than 5 µg/l at high

flow conditions associated with spring runoff (March 1997) – however during the monsoon high flow conditions (September 1997) high RDX levels (greater than 80 µg/l are observed). However, Martin Spring shows a general decrease from low flow conditions (~150 µg/l) to high flow conditions (less than 10 µg/l) with the exception of a single high flow condition sample (greater than 150 µg/l) that occurred during December 1997 high flow conditions (Figures 4.5-2 and 4.5-3).

These observations suggest

- that SWSC and Burning Ground Springs are similar to each other and different from Martin Spring, although the RDX data also suggests differences between SWSC and Burning Ground Springs. This supports similar conclusion drawn based on variations in major and minor constituent between the springs described above.
- that multiple recharge sources are required for the springs. The baseflow concentration fluid is characterized by: high barium, calcium and other major cations, low iron and aluminum, and high RDX (HE) levels. As flow increases a low calcium and major cation, high iron and aluminum and low HE fluid is mixed with the baseflow water. This fluid could be a surface-recharged rainfall or snowmelt that had interacted with iron- and aluminum-bearing colloids or clays. As flow further increases and the mean free path of the recharging fluid increased, additional high barium, high calcium and other major cations, and high aluminum subsurface environments could be intersected or fluid-rich macropores could be impinged upon. This explanation is somewhat speculative, but the fundamental conclusion that multiple recharge zones are tapped during increased flow is undeniable.

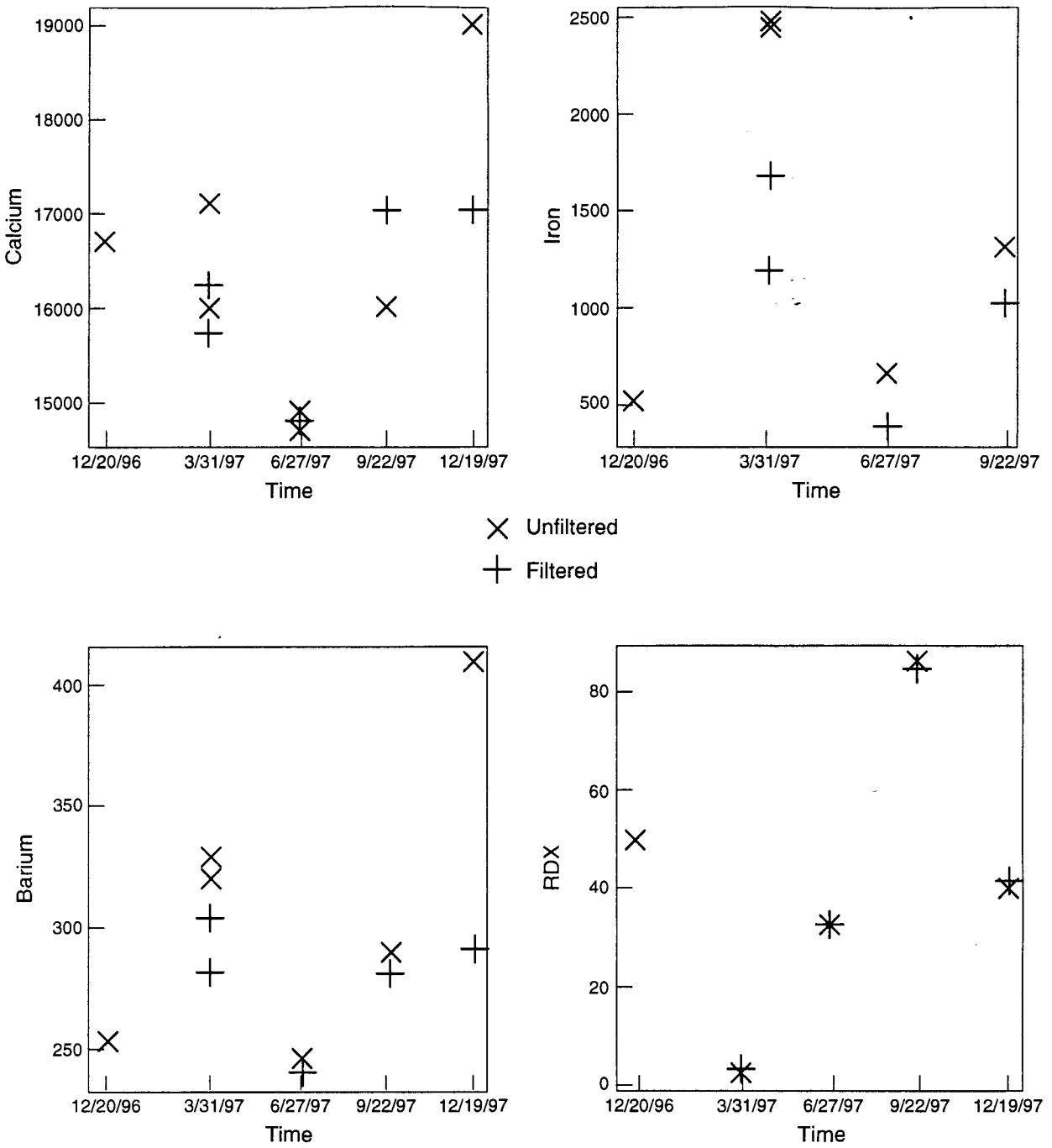


Figure 4.5-2 (a). Concentration (μg/l) versus time for constituents in SWSC Spring

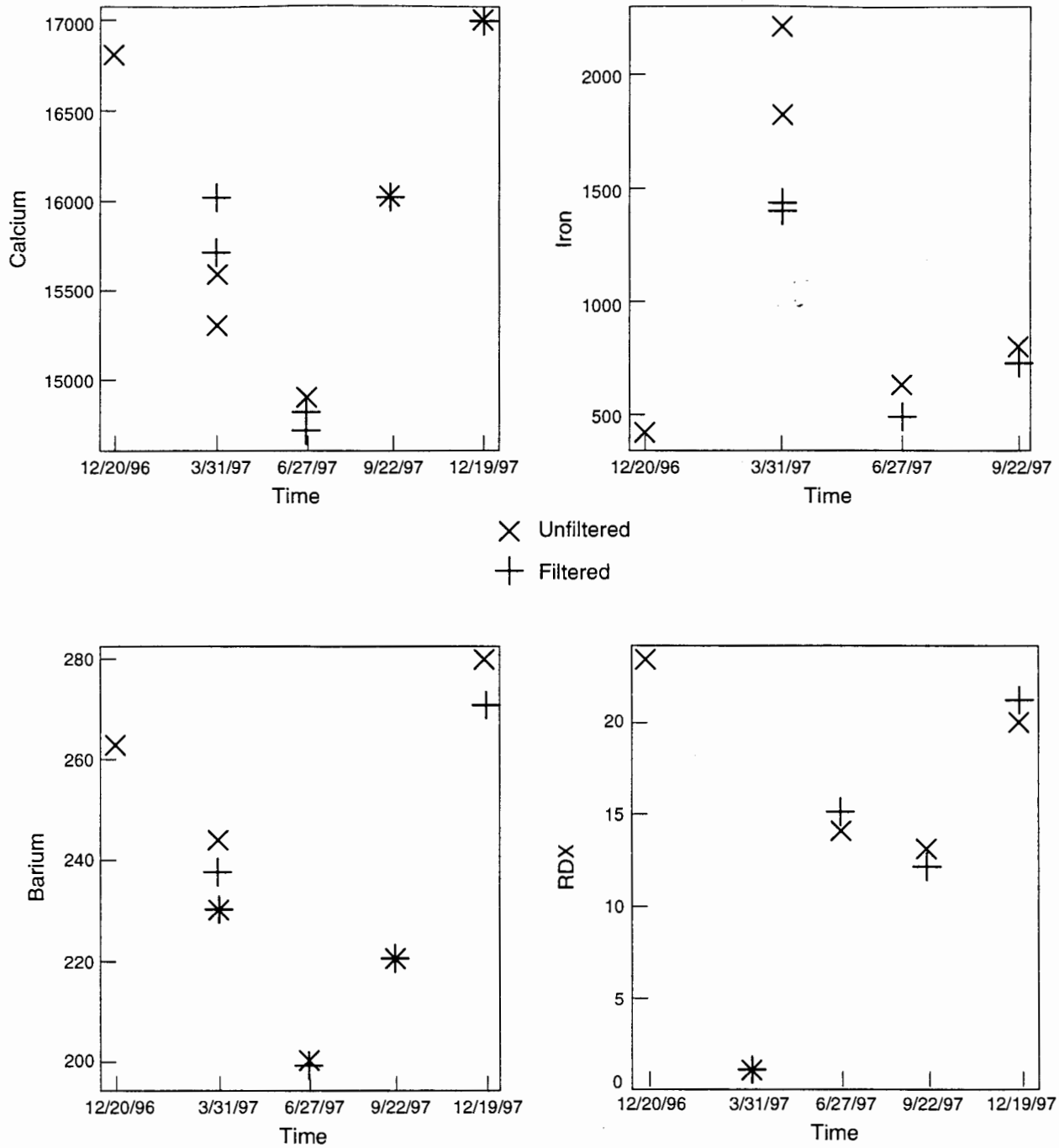


Figure 4.5-2 (b). Concentration (μg/l) versus time for constituents in Burning Ground Spring

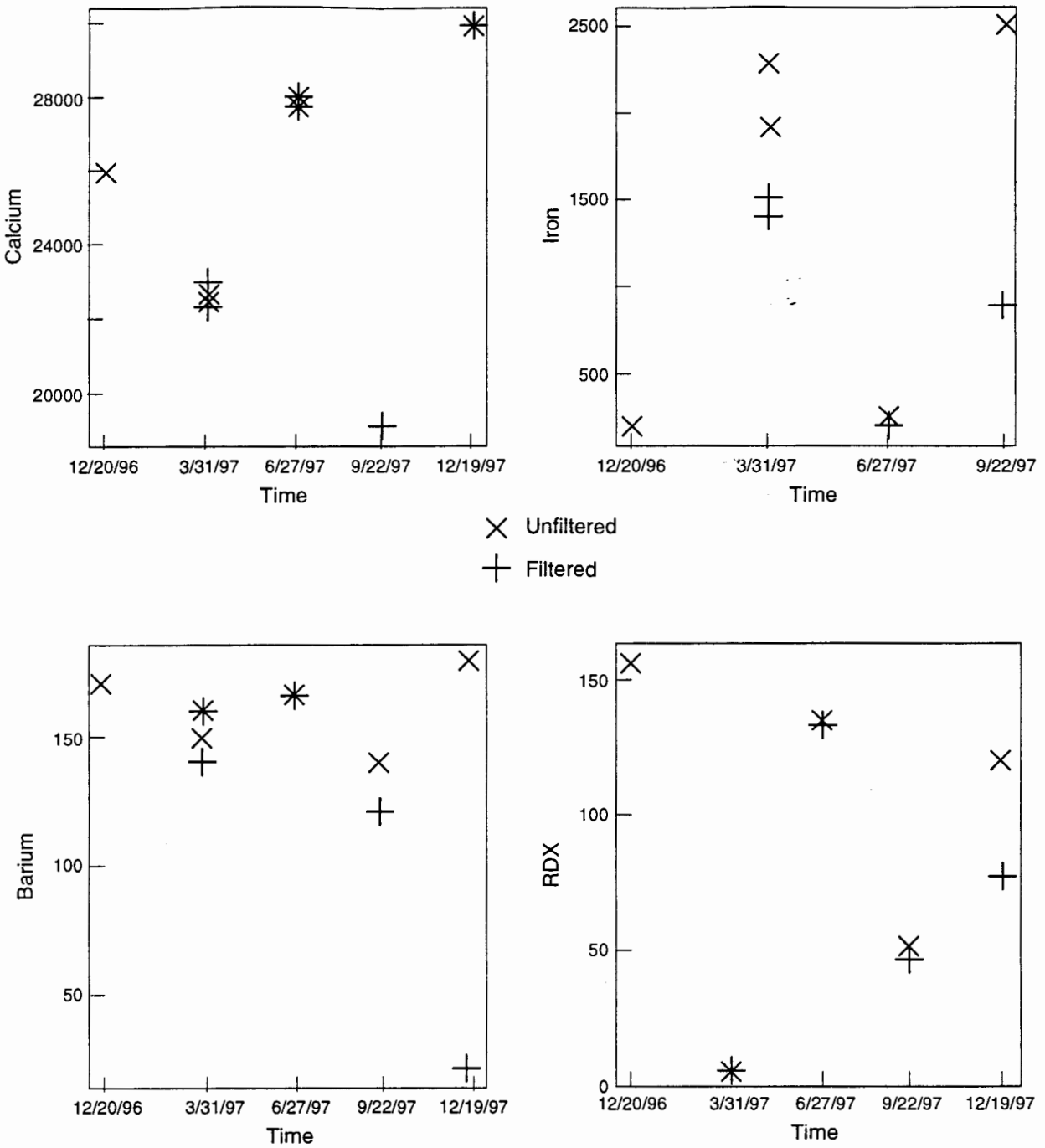


Figure 4.5-2 (c). Concentration (μg/l) versus time for constituents in Martin Spring

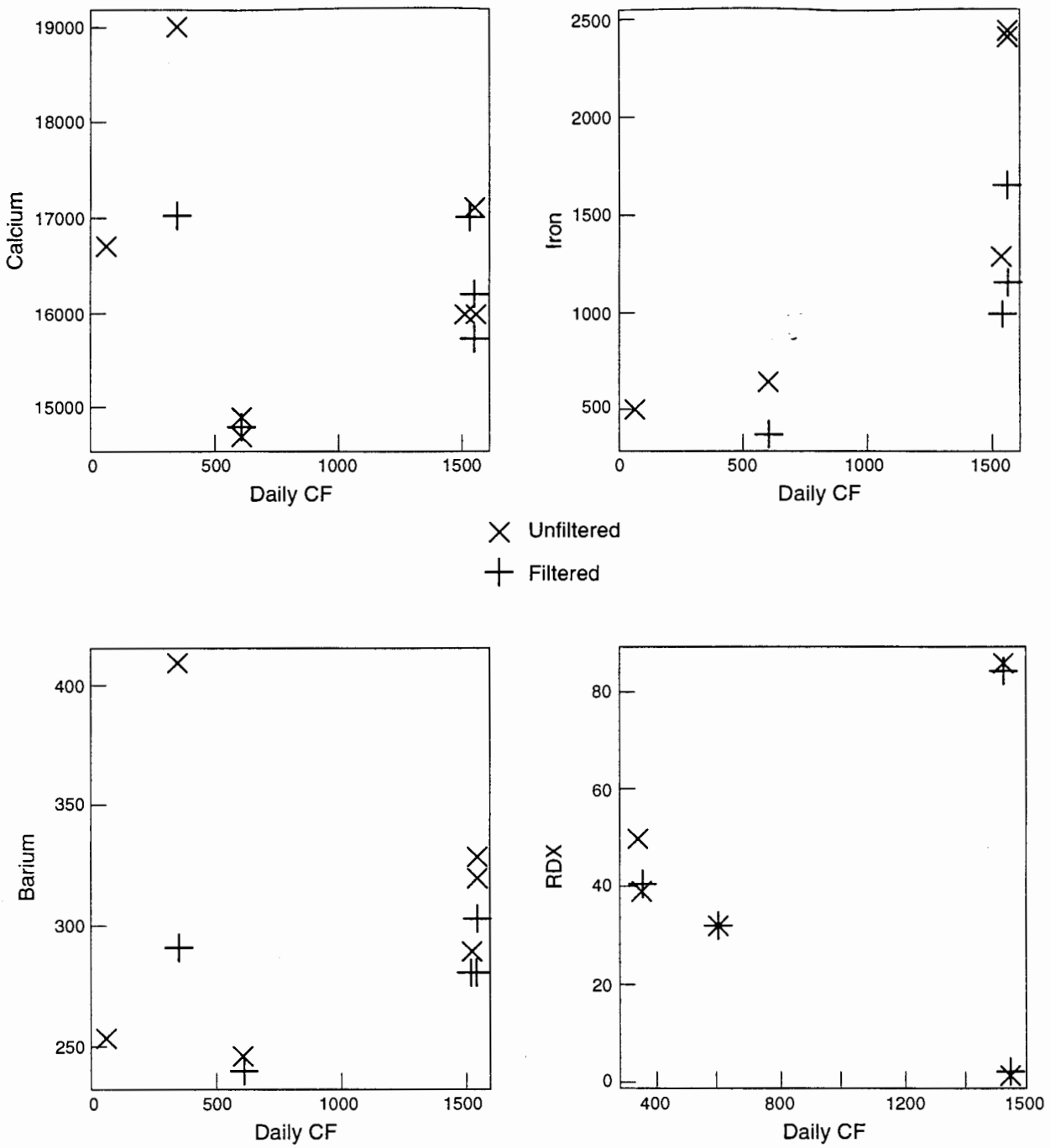


Figure 4.5-3 (a). Concentration (μg/L) versus flow (daily CF) for constituents in SWSC Spring

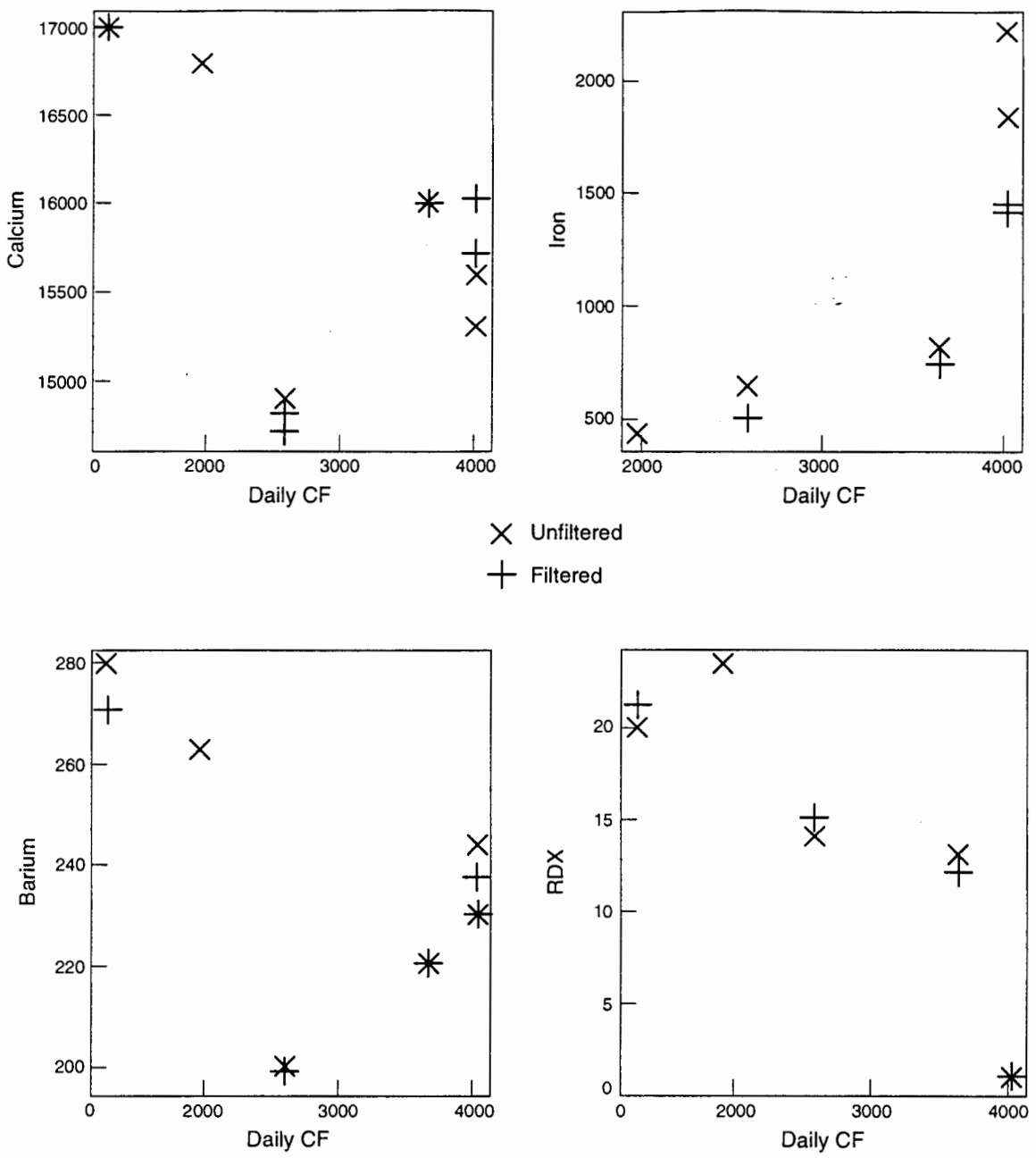


Figure 4.5-3 (b). Concentration (μg/L) versus flow (daily CF) for constituents in Burning Ground Spring

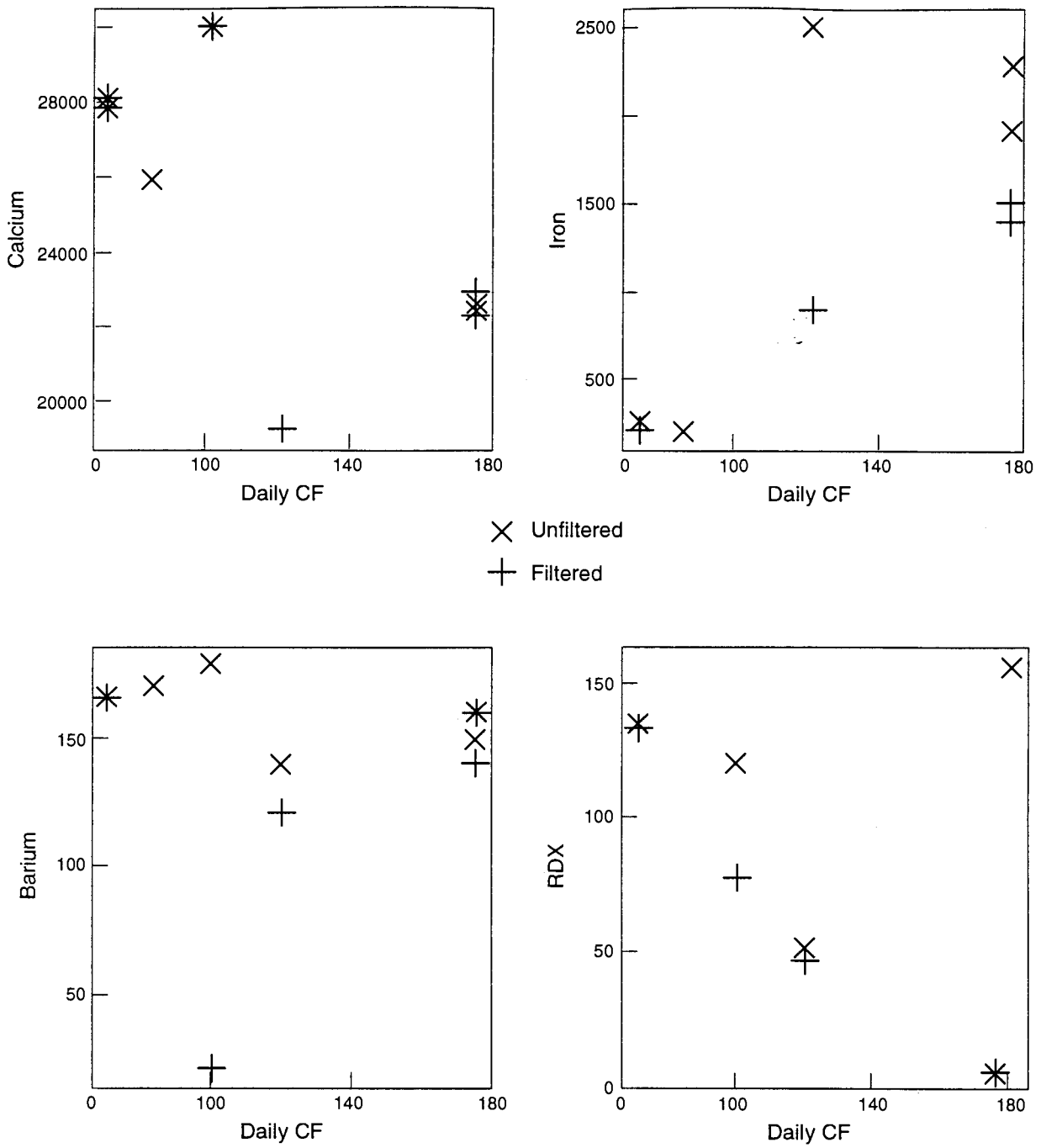


Figure 4.5-3 (c). Concentration (μg/L) versus flow (daily CF) for constituents in Martin Spring

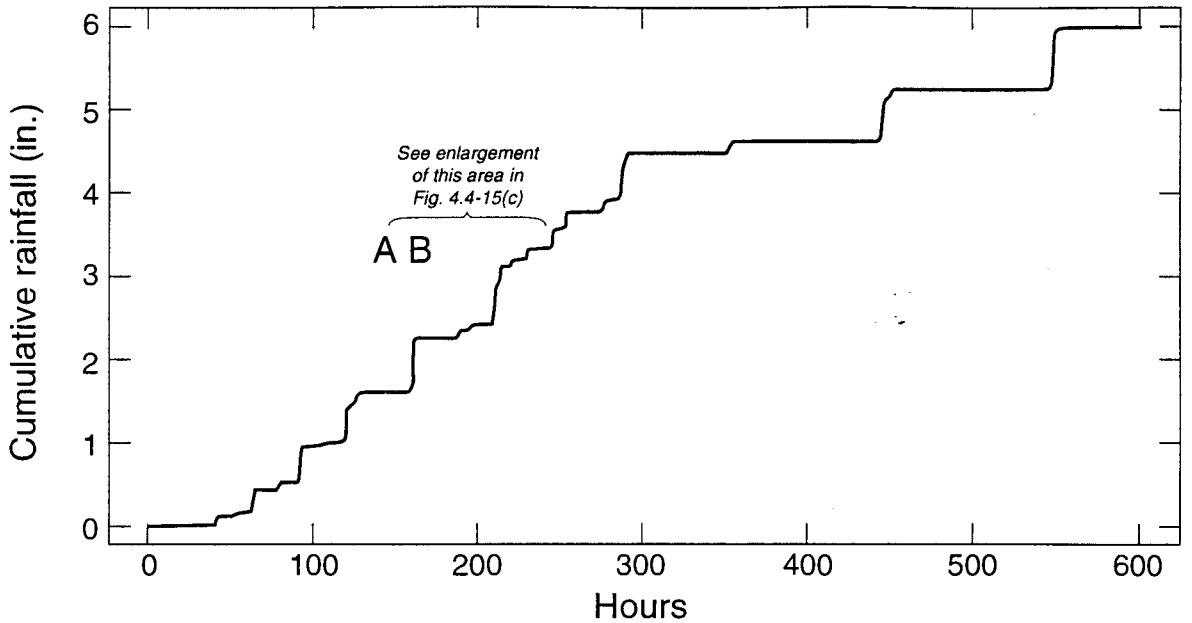
- that spring runoff and monsoon runoff may have different flow paths. High HE during monsoonal high-flow intervals in SWSC and Martin Spring relative to low HE during snowmelt high-flow intervals suggest this dichotomy. It is possible that monsoonal recharge is more strongly directed through the high-HE pond at TA-16-260 than is more diffuse snowmelt recharge.

Figure 4.5-4 provides a more detailed picture of the hydrograph relative to precipitation during the summer 1997 monsoon season. The following features suggest multiple response times and hence hydrologic sources/pathways for the TA-16 springs:

- Following an extended period of little or no precipitation (a–b) an initial rainfall event of more than 0.5 in. occurred
- Initial response of spring flow is seen a little over 2 hours later at SWSC Spring (c)
- A slightly larger response is seen approximately 20 hours later at both SWSC and Burning Ground Springs (d)
- Finally the mass of monsoon water impacts both springs (e–f).

These data suggest that at least three distinct recharge sources impact the springs. Three plausible candidates for these recharge sources are: (1) direct runoff into the spring catchments, with a response time of a few hours; (2) an interflow pathway, with a response time of 1 to 2 days; and (3) a subsurface pathway, with a several week response time.

(a)



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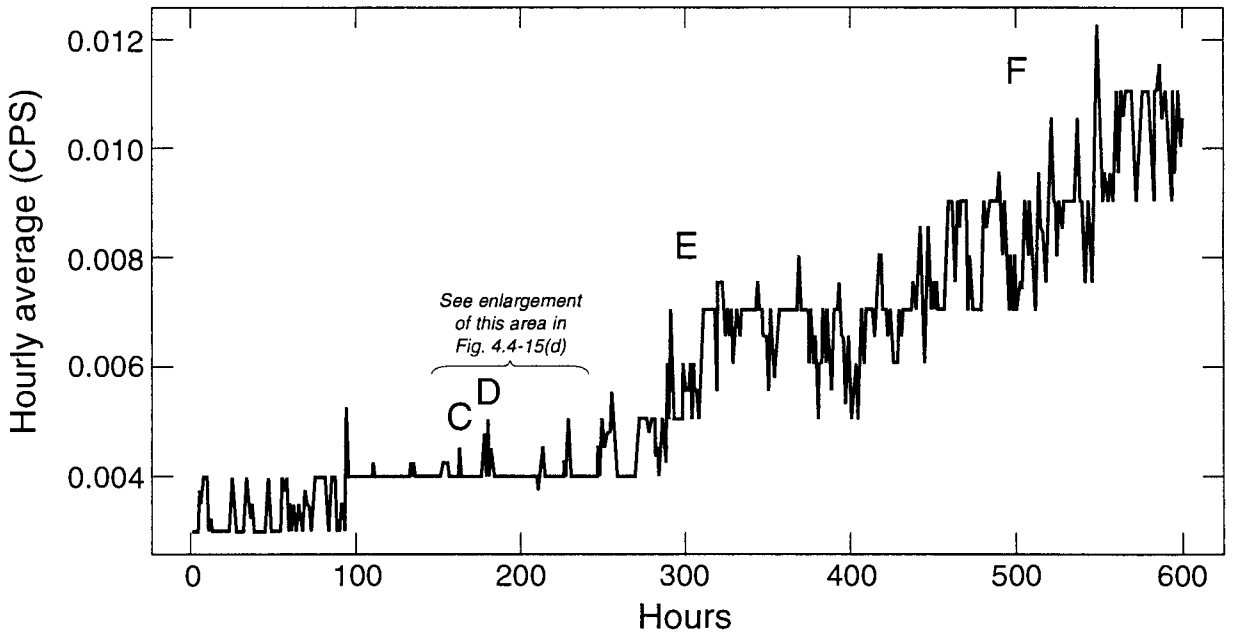
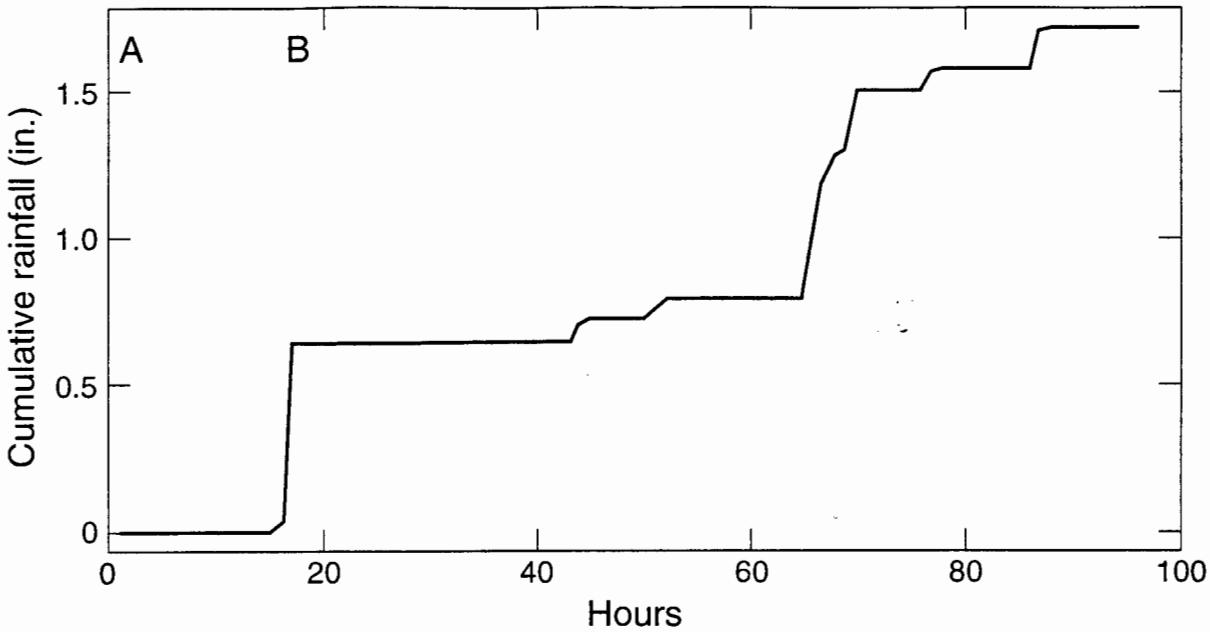


Figure 4.5-4 (a) Cumulative rainfall plot for SWSC Spring from 7/25 to 8/20/97; (b) Hydrographic record for SWSC Spring from 7/25 to 8/20/97.

(c)



(d)

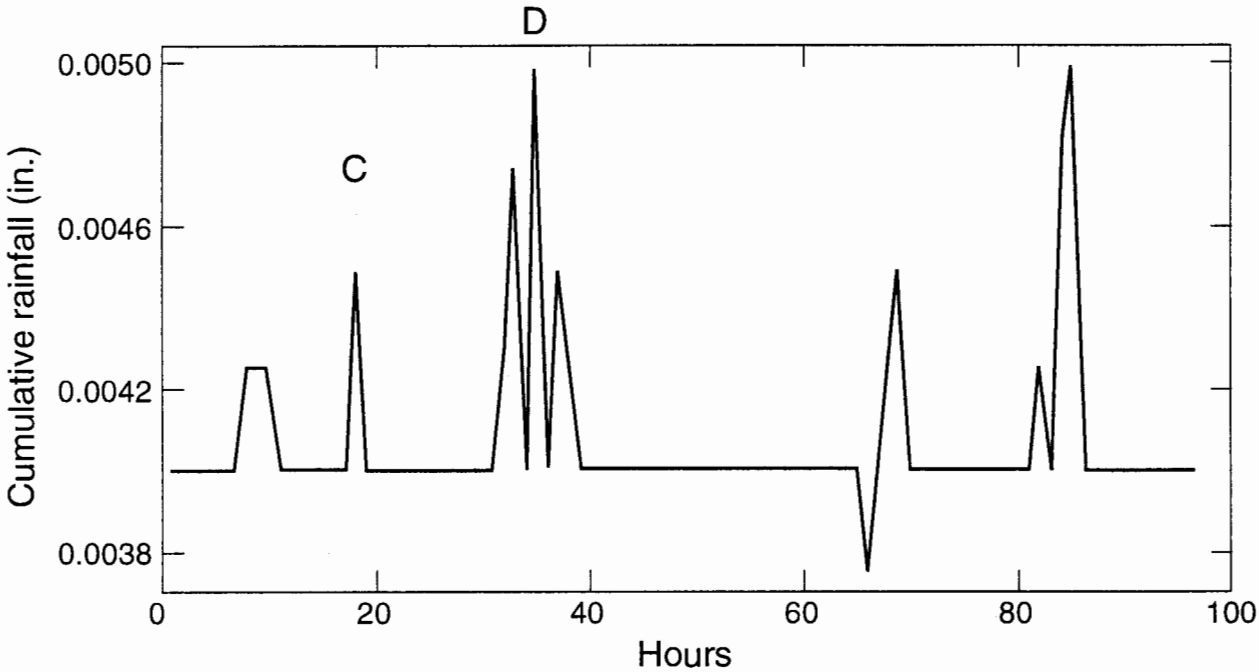
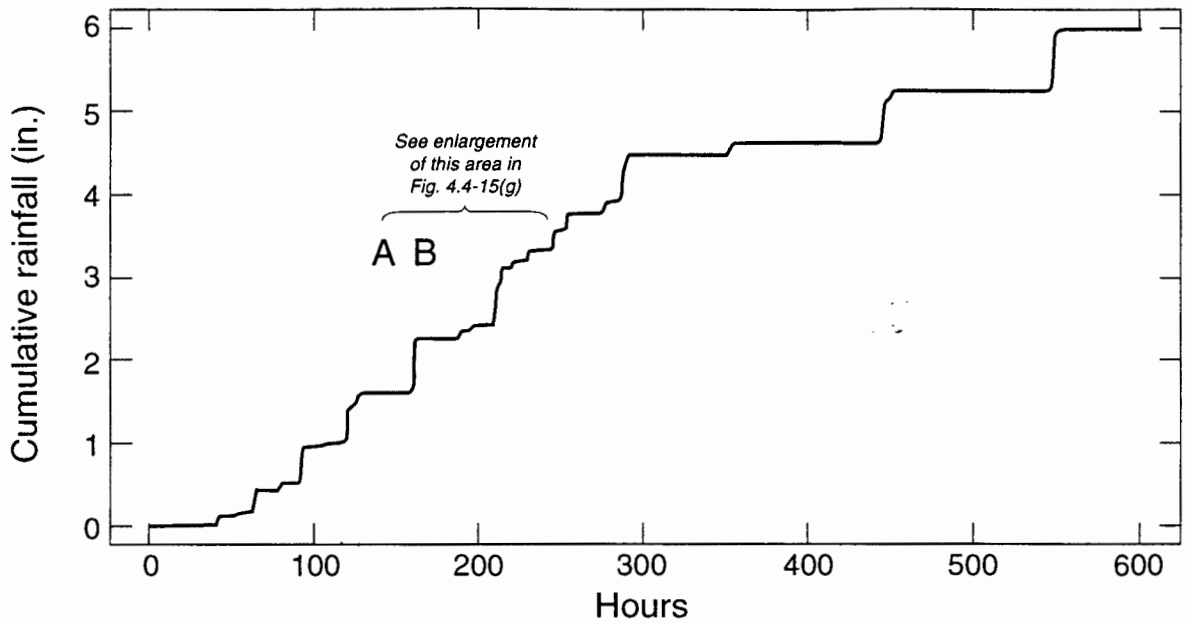


Figure 4.5-4 (c) Cumulative rainfall plot for SWSC Spring from 7/31 to 8/5/97; (d) Hydrographic record for SWSC Spring from 7/31 to 8/5/97.

(e)



(f)

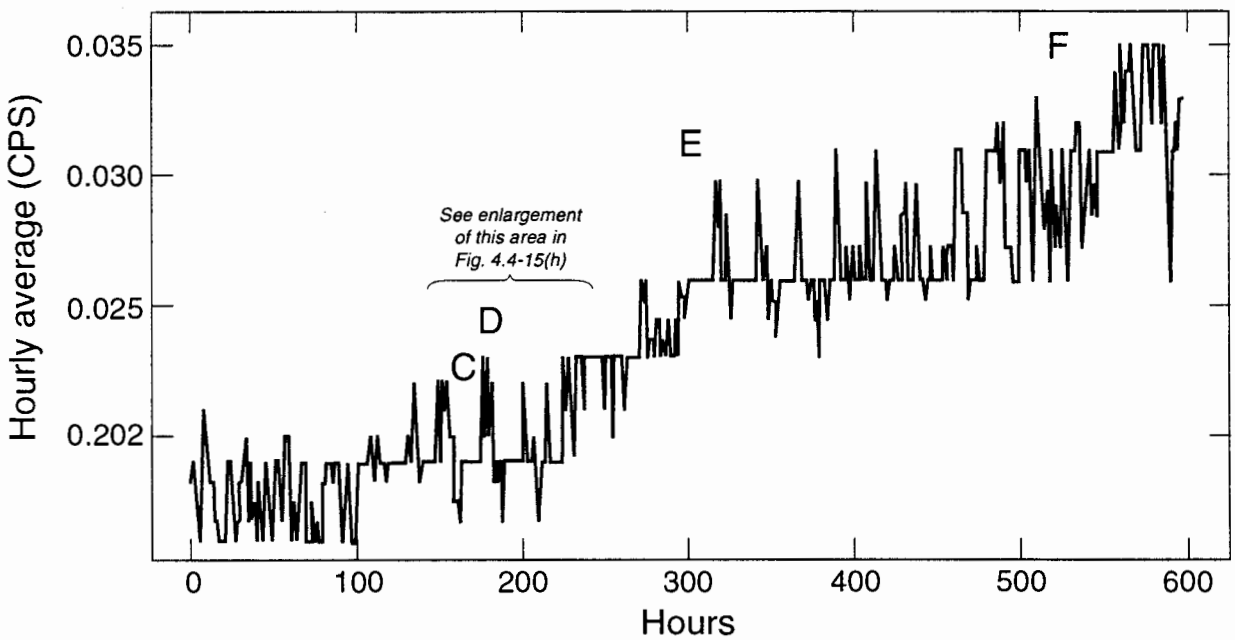
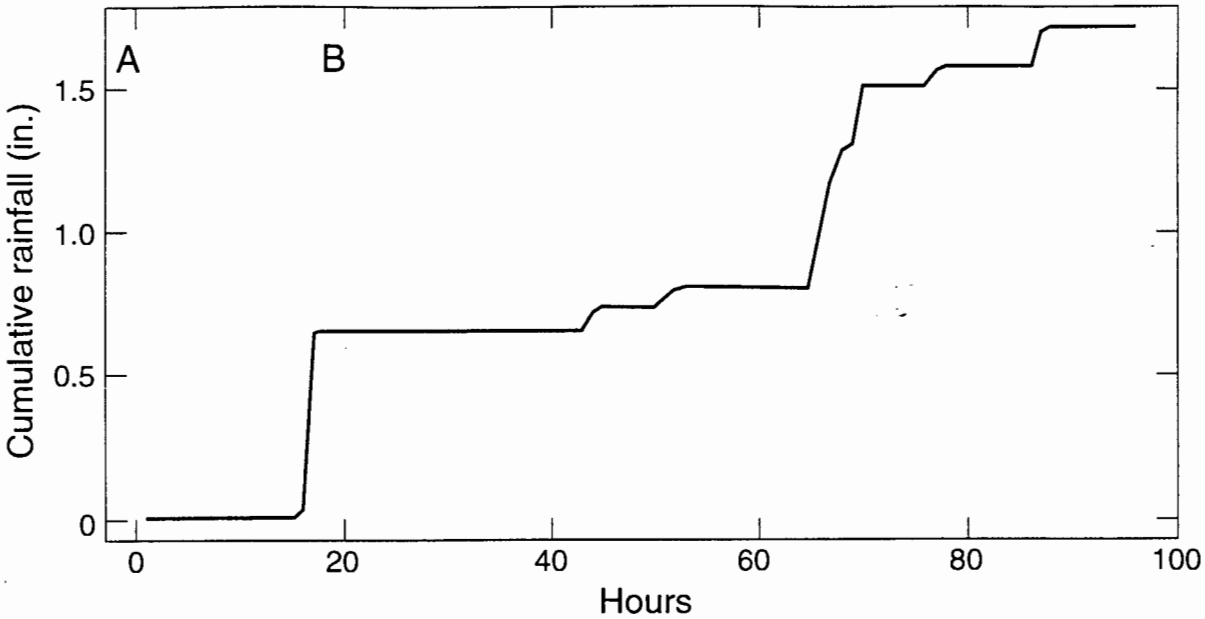


Figure 4.5-4 (e) Cumulative rainfall plot for Burning Ground Spring from 7/25 to 8/20/97; (f) Hydrographic record for Burning Ground Spring from 7/25 to 8/20/97.

(g)



(h)

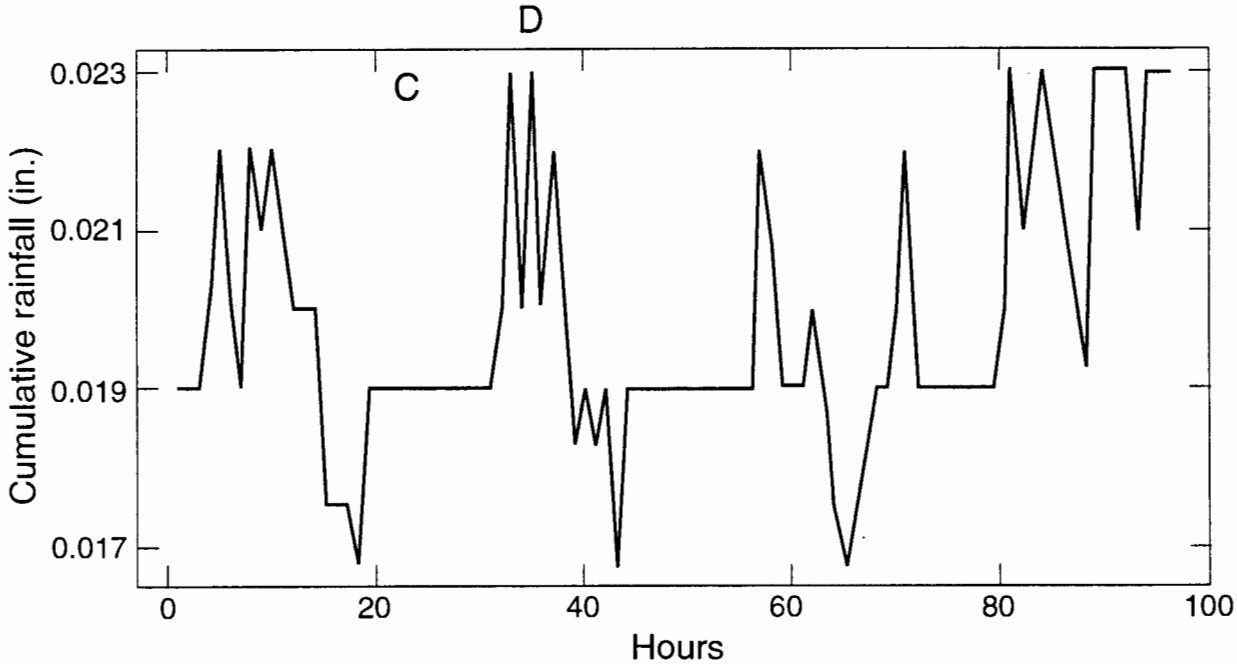


Figure 4.5-4 (g) Cumulative rainfall plot for Burning Ground Spring from 7/31 to 8/5/97; (h) Hydrographic record for Burning Ground Spring from 7/31 to 8/5/97.

5.0 CONCEPTUAL MODEL DEVELOPMENT

5.1 Summary

TA-16 is one of the most complex sites at the Laboratory in terms of hydrologic behavior and contaminant fate and transport. The combination of relatively wet mesa and canyon conditions, different geological units with varying properties, multiple flow paths, different types of flow behavior, and multiple source areas results in a conceptual model that has to consider many different pathways and processes. Large uncertainties associated with aspects of the conceptual model are the result of the complexity of the TA-16 system. Sections 5.2 and 5.3 focus on the TA-16 geology, hydrology, and contaminant chemistry. Sections 5.4 and 5.5 focus on human health and ecological risk pathways, respectively. The major features of the TA-16 conceptual model are shown in Figure 5.1-1 and are briefly described below.

- The model describes key aspects of the hydrology and geology of a roughly triangular area that is bounded by Cañon de Valle on the north, Water Canyon on the south, the Pajarito Fault zone on the west, and the confluence of Cañon de Valle and Water Canyon on the east (Figure 5.1-2.).

- Saturated flow systems occur in different forms, including the alluvial aquifer in Cañon de Valle; SWSC Spring, Burning Ground Spring, and Martin Spring; and the 90's Line Pond. Additional saturated flow systems may also be present and are discussed below.

- The saturated systems that feed the springs are hypothesized to be ribbon-like structures within the mesa.

- The ribbons appear to predominate at or above the Unit 4/Unit 3 contact where there is a transition from poorly welded to strongly welded tuff. The three springs flow from or near the Unit 3/4 contact.

- The ribbons feed the springs via localized fracture zones. The area around the Cañon de Valle springs appears to be more fractured than the surrounding tuff. The area around Martin Spring is covered by colluvium.

- No permanent zones of saturation have been identified during drilling, so the existence of the ribbons is only hypothesized. Transient saturated zones have been found near the Unit 3/4 contact, which supports the saturated ribbon hypothesis. In addition, alternative hypotheses on the source of the spring water (i.e., alluvial water or artesian conditions) do not appear to be viable.

- Recharge of the saturated ribbons may occur via various sources and processes including the Pajarito Fault zone, the Steam Plant drainage, and the 90's Line Pond. Recharge may also occur via transient saturated flow (described below).

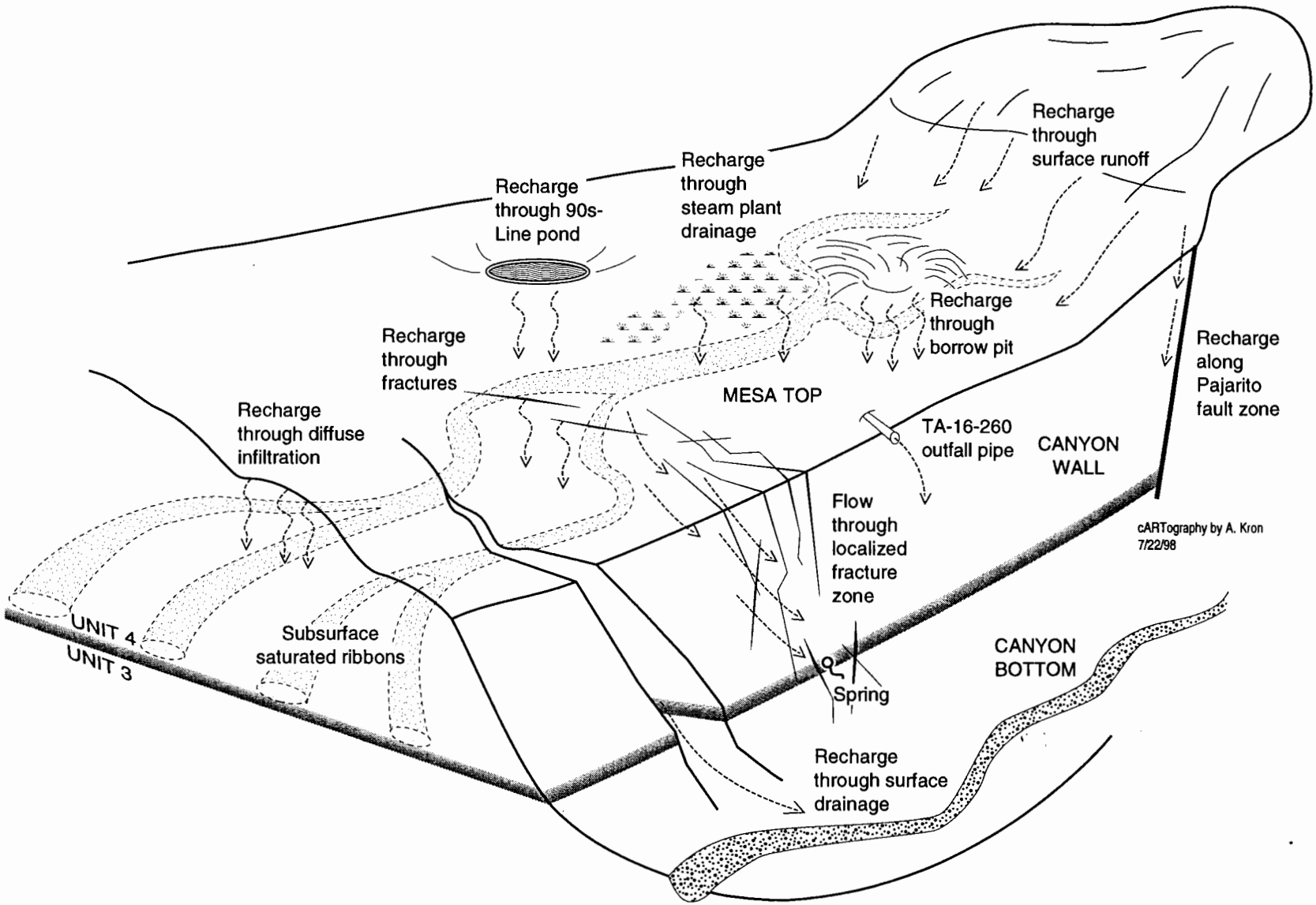


Figure 5.1-1. Major features of the TA-16 hydrogeologic conceptual model

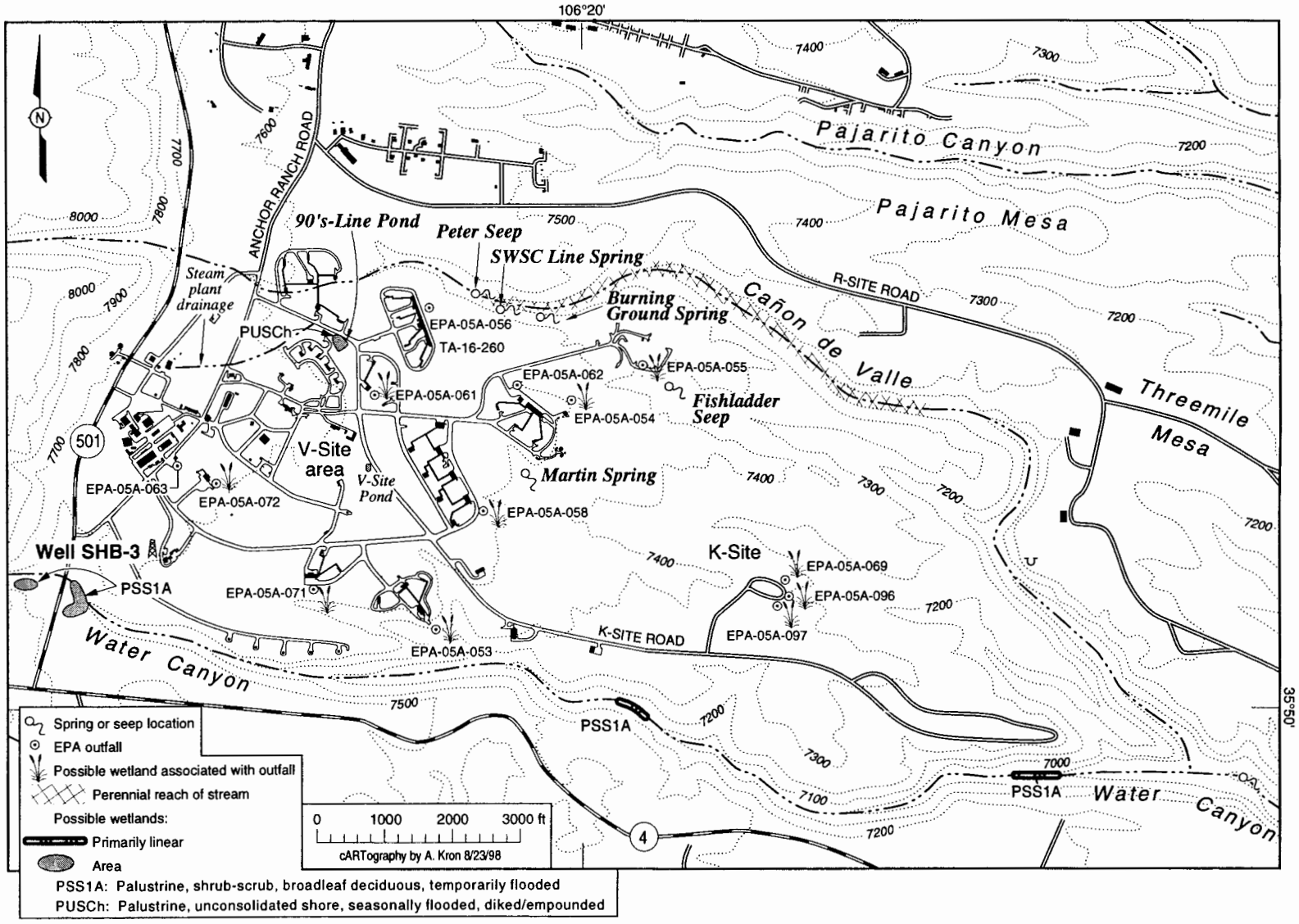


Figure 5.1-2. Boundaries of the TA-16 conceptual model—the area of interest is bounded by Cañon de Valle on the north, Water Canyon on the south, the Pajarito Fault zone on the west (approximated by highway 501), and the confluence of Cañon de Valle and Water Canyon on the east

- Transient recharge can occur via flow through fractures or other preferential flow pathways (this process is sometimes referred to as diffuse recharge because it is episodic and can occur at various, oftentimes difficult to identify, locations). The borrow pit located on the west end of TA-16 is an area where transient recharge might occur.

- The 260 outfall is a source of contamination for SWSC and possibly Burning Ground springs. Bromide tracer deployed at the outfall has been observed at SWSC spring. It may have also reached Burning Ground Spring (see Section 4.4). Because the tracer reached SWSC in a relatively short time (about 4 months) under generally unsaturated conditions, transient flow along fractures appears to be an important pathway for contaminant movement from the outfall. Matrix or porous media flow may be important as well based on the presence of contaminants in surge beds and the powder unit. However, the wet conditions needed to verify matrix flow with the tracer have not yet developed.

- Other pathways provide the bulk of the recharge to the springs. The 260 outfall has been decommissioned, yet the springs are still flowing. The outfall may have been volumetrically an important contributor to Cañon de Valle spring flow in the past, but this is no longer the case. However, this does not preclude the outfall area from being a significant contributor of contamination to the spring system.

- Contaminants in Martin Spring may be from another source than the 260 outfall. Martin Spring chemistry and flow behavior is substantially different than the Cañon de Valle springs.

- Surface runoff, erosion, and spring flow contribute contaminants to the Cañon de Valle alluvial aquifer. However, the effect of the springs is to dilute contamination in the alluvial aquifer. Subsurface flow may also contribute contaminants to the alluvial aquifer, however this has not yet been determined. Many of the processes that contribute contaminants to Cañon de Valle also contribute contaminants to the Martin Spring Canyon. Within the two canyons, surface runoff, subsurface flow, and erosion can redistribute contaminants to downstream locations and ultimately to Water Canyon.

- Human health and ecological risk estimates are based on the pathways and affected media identified in the hydrogeologic conceptual model.

5.2 Contaminant Fate and Transport

Because this report focuses on the 260 outfall, contaminant fate and transport from the outfall will be discussed first. A schematic of the outfall drainage stratigraphy and potential flow paths is shown in Figure 5.2.-1. As explained in Section 2, substantial inventories of contamination exist in the near surface of the outfall drainage, and contamination also exists at depth in the subsurface. The "spotty" contamination observed at depth in the outfall drainage boreholes indicates that contaminants are probably moving along preferential flow paths. The subsurface geology promotes preferential flow because of the large variation in hydraulic properties between and within tuff units (Figures 4.4-3, 4.4-4, and 4.4-5) and also because of the fractured nature of some of the tuff units.

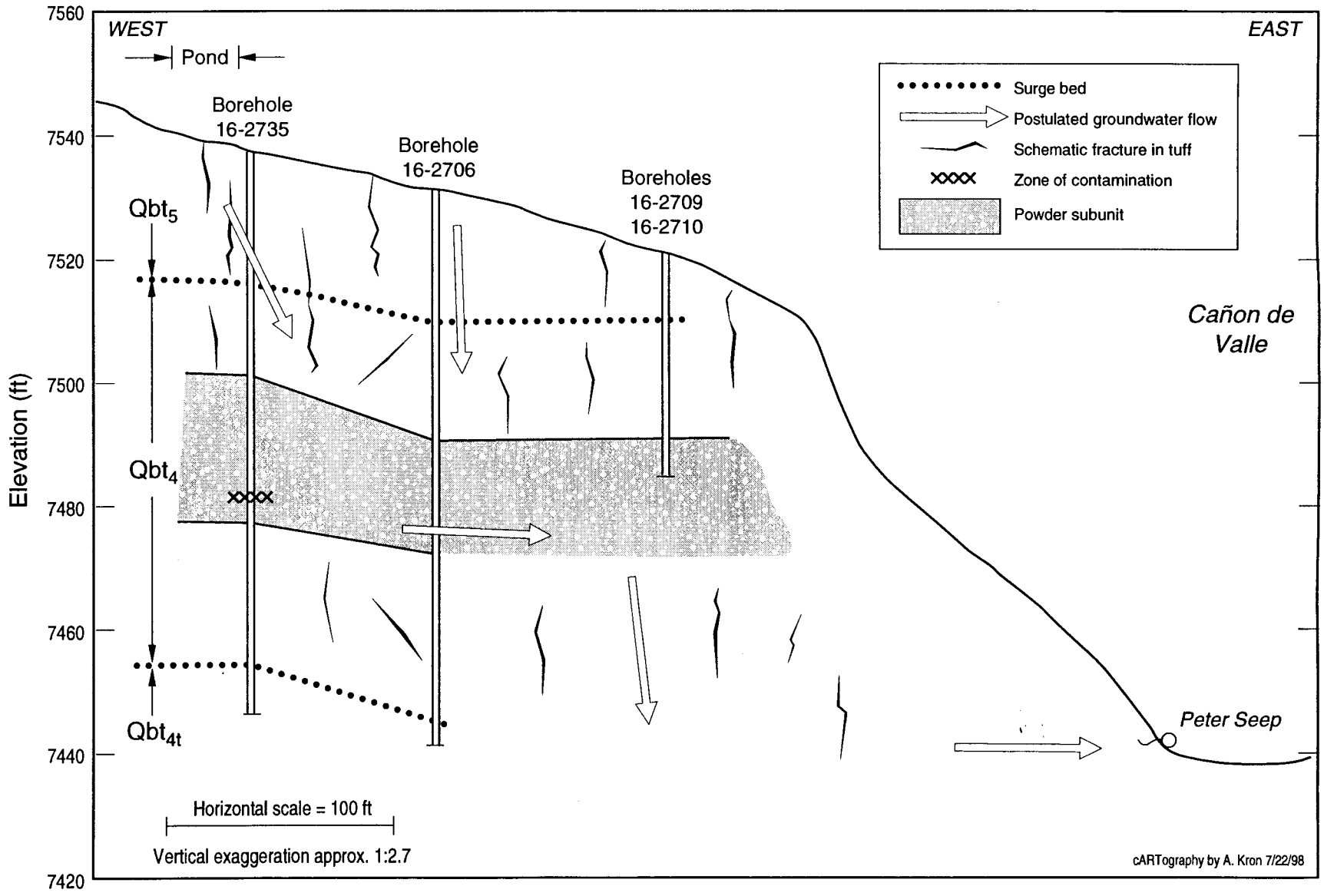


Figure 5.2-1. Conceptual hydrologic model for the TA-16-260 outfall area

The borehole data and tracer results also support the importance of transient flow events in controlling the fate and transport of contaminants from the outfall area into the deeper subsurface and into Cañon de Valle (pathways are shown in Figures 5.1-1 and 5.2-1). Transient saturated flow can occur in two main forms. First, fractures can act as intermittent fast flow pathways, even when the rock matrix is not saturated. The application of the bromide tracer at the 260 outfall was made on unsaturated tuff, yet in a few months bromide appeared in SWSC spring. This type of rapid transport is unlikely under unsaturated matrix flow conditions and strongly supports the idea that transients (episodic localized saturated flow) are important in controlling contaminant transport and distributions. The "spikey" appearance of the bromide breakthrough curve in SWSC spring (Figure 4.4-12) also supports fracture-controlled flow from the outfall.

A second type of transient saturated flow can occur when large inputs of water (e.g., spring snowmelt) temporarily saturate localized zones of the subsurface resulting in matrix flow, as opposed to fracture flow. For example, there is evidence that surge beds near the mesa edge become saturated at certain times. A saturated surge bed with an RDX concentration of 908 mg/kg was encountered at 16 ft in borehole 2700. The zone subsequently dried up. A saturated zone also appeared in borehole 2712 several months after it was drilled. It is possible that future transient flow events may create saturated zones in these and other boreholes again. However, because the outfall has been shut off (representing a loss of a million or more gallons of water per year), transient saturated zones may not develop as frequently or persist as long as they have in the past. Thus, contaminant transport may not occur as rapidly as it has in the past. The consequence of transient saturated flow events is that they can connect with the permanent saturated zones, providing both recharge and contaminants to the springs and possibly to Cañon de Valle directly via subsurface pathways that connect to the alluvial aquifer (Figures 5.1-1 and 5.2-1). Because transients are so difficult to characterize, they add a level of complexity that makes it difficult to understand contaminant fate and transport at TA-16 in a spatially detailed way.

The impact of the outfall contamination on Cañon de Valle is substantial. The bromide tracer results show that the outfall is supplying contaminants to SWSC spring and possibly to Burning Ground Spring (see Section 4). Both of these springs contribute contaminants to the alluvial system in Cañon de Valle. In addition, unidentified subsurface flowpaths, overland flow, and lateral subsurface flow (interflow) may also transport contaminants from the outfall to the alluvial aquifer. Overland flow occurs mainly by the infiltration excess mechanism (Wilcox et al. 1997, 57577), and is most active during intense summer thunderstorms and spring snowmelts. Bromide tracer has been observed in runoff from the outfall, indicating that contaminants may be moving along this pathway. BMPs are in place to reduce runoff into the canyon, but they mainly limit sediment transport and do not capture all of the surface runoff.

Lateral subsurface flow is a near-surface runoff process where localized saturated zones or macropore systems generate flow in a horizontal or lateral direction. The importance of lateral subsurface flow is suggested by the occurrence of groundwater during drilling at TA-16 and by the discontinuous appearance of contamination in borehole samples (Section 2). In addition, the similarity between TA-16 and the Los Alamos Ponderosa Pine Experimental Hillslope (where lateral subsurface flow is know to be important) suggests that lateral subsurface flow is a critical hydrologic process at TA-16. Other evidence for the importance of lateral subsurface flow comes from moisture content measurements at MDA-P. Nyhan (1989, 06890) discuses volumetric moisture content profiles that show saturated conditions in the soil zone and a dramatic decrease in moisture content at the soil/tuff interface. This type of moisture profile is characteristic of systems that generate lateral subsurface flow (Wilcox et al. 1997, 57577).

The 260 outfall may not be the only source of contamination to Cañon de Valle however. Both MDA-R and MDA-P may be contributing contaminants to the canyon. Monitoring data near MDA-P suggests that its impact on the canyon is minimal. The impact of MDA-R, however, is currently unknown. High concentrations of barium at Peter Seep, upgradient from the 260 outfall, suggest that MDA-R may be a source of contamination. The steam plant drainage is adjacent to MDA-R and could be recharging the springs and alluvial aquifer. If the steam plant flow is also reaching MDA-R, then contaminants may be transported from the MDA. However, it is also possible that the contamination at Peter Seep comes from the 260 outfall area, given the dip of the tuff units in that direction (Figures 4.4-3, 4.4-4, and 4.4-5) or because of fracture flow. Because Cañon de Valle has both surface and subsurface flow, and because the 260 outfall and other potential contaminant sources drain into Cañon de Valle, this is the most important pathway for redistribution of contaminants away from TA-16 and into downgradient locations such as the lower part of Water Canyon.

The fate and transport of contaminants from the alluvial aquifer are unknown. During large runoff events, contaminants will move into Water Canyon. The disappearance of the Cañon de Valle alluvial aquifer down-canyon from MDA-P suggests the possibility that there may be some subsurface transport to deeper units. The alluvial aquifer disappears shortly after it encounters Tshirege Unit 2, which is typically well fractured. This observation raises the possibility that alluvial aquifer waters recharge a deeper flow system. Drilling of deep boreholes R-25 and R-27 may shed some light on this uncertainty; subsequent investigations in collaboration with the Canyons Operational Focus Area will be required to resolve the subsurface recharge issue.

Contaminant movement in Cañon de Valle (and Martin Spring Canyon, as discussed later) can also occur by sediment transport. Sediment analyses reported in Section 3 indicate a variety of COPCs exist in the canyon sediments. The contaminants can move downstream as adsorbed phases on organic and inorganic materials during flood events, or if they enter the active channel in the perennial reach. Some contaminants, barium in particular, may also be transported as solid phases (e.g., barite and witherite; barium chemistry is discussed in Section 5.3). The residence time of contaminated sediments in the canyon is mainly governed by the magnitude and frequency of runoff and flood events, and the proximity of sediments to the active channel. Thus, sediment transport is not a steady-state process; instead, episodic events will control the rate of movement of contaminated sediments. In addition to sediment transport, the sediments can act as contaminant sources to canyon-bottom waters. Changes in chemistry can cause contaminants to desorb, or dissolve in the case of solid phases, contributing additional contamination to surface and alluvial aquifer waters. The observations of temporal and spatial variability of contaminant concentrations in alluvial waters (Section 3) suggest that contaminated sediments may be acting as a contaminant source (this idea is discussed further for barium in Section 5.3). Because of the limited sediment data it is difficult to quantitatively assess the relative importance of contaminated sediments versus contaminated waters and the relationship between them. The data do indicate that sediments could be important, and additional sampling (conducted in collaboration with the Canyons Focus Area) will be required to estimate contaminated sediment inventories.

In addition to the fate and transport of contaminants at the 260 outfall and Cañon de Valle, there are other parts of the TA-16 system that need to be addressed. One of the most important is Martin Spring. This spring has the highest HE contamination of the three springs at TA-16 and it discharges into a small canyon that drains into Water Canyon. It appears that Martin Spring flows from a different saturated ribbon system, or at least a different part of the system than the Cañon de Valle springs. There are two main pieces of evidence that suggest that Martin Spring contaminants are from an as yet unidentified source,

and that the flow system is different than the Cañon de Valle springs. First, Martin Spring has anomalously high boron concentrations (approximately 2000 µg/L). The Cañon de Valle springs do not have boron concentrations close to that level, which suggests another contaminant source on the mesa: one in which boron compounds (e.g., boracitol or boron-containing soaps) were used. In addition, discharge measurements at the three springs show that the flow dynamics at Martin Spring are distinctly different than the Cañon de Valle springs (see Section 4 for more detail on the Martin Spring boron and flow data). Because the spring contributes contaminants to Martin Spring Canyon, runoff and sediment transport processes will move contaminants down the canyon and into Water Canyon. However, information on Martin Spring Canyon is very limited and additional work will be required to assess contaminant inventories and mobility.

Another important part of the TA-16 hydrologic system is the 90's Line Pond (Figure 5.1-2). It is contaminated with HE and barium and may provide recharge to the springs system. It does not appear that the pond is a volumetrically important recharge source, although it may be an important contaminant source. The pond appears to be too small to support the flow that is observed in the springs, and stable isotope compositions of the pond and spring waters are substantially different (LANL 1996, 55077). If the 90's Line Pond was providing a substantial amount of water to the springs system, the springs waters would be isotopically much heavier (more positive) than they are now.

The last components of the TA-16 hydrologic system are upper Water Canyon, the Fish Ladder Seep, and K-site areas (Figure 5.1-2). Only limited information is available on the upper reaches of Water Canyon and the south side of the TA-16 mesa, and future investigations will be needed to understand the canyon system and contaminant transport. One item of interest is that the Water Canyon gallery is no longer diverting water from the canyon above TA-16. This means that Water canyon may become wetter than it has been during the last few decades. Fish Ladder Seep is an intermittent HE-contaminated seep that drains into a small subdrainage of Cañon de Valle. It might be part of the same saturated ribbon system that supplies SWSC and Burning Ground Springs, although it could be impacted by different contaminant sources. It has also received inadequate study and future investigation is needed to more fully understand the role it plays in contaminant fate and transport. K-site has been impacted by three outfalls and is the subject of a separate investigation.

5.3 Contaminant Persistence and Chemistry

The principal COPCs for the 260 outfall include HE species and barium. Each of these will be discussed separately because different processes govern their mobility and persistence. Additional COPCs are discussed briefly at the end of this section.

A summary of the physical and chemical properties of HE species that govern environmental fate are provided in Table 5.3-1. HE species can be transported into and within the canyons as solid pieces by erosion of soil and sediment. HE is also mobile in the aqueous phase where it can move either as a dissolved phase (solubilities are shown in Table 5.3-1) or as a colloid. The HE species tend to have low adsorption, except in organic rich environments (Layton et al. 1987, 14703). The different HE species have some variation in the degree that they adsorb, which is reflected in the variation in K_{oc} values in Table 5.3-1. HE species are also susceptible to different degrees of microbial decay (Layton et al. 1987, 14703). At this time, some microbial decay may be occurring at TA-16. However, the effect of microbial decay is probably minimal, given the inventory and the amount of HE in chunk form (which is resistant to microbial decay). Microbial decay will become more important in the long term when concentrations are lower and

the chunk HE has been removed. Microbial decay occurs mainly under anaerobic conditions for RDX and HMX, while TNT can undergo breakdown by a variety of aerobic and anaerobic microorganisms (Layton et al., 1987, 14703). In addition to the microbial breaking down of HE, plants can also process HE. It is currently unknown, however, what amount of phyto-uptake occurs around the TA-16 outfall or in Cañon de Valle. Photolysis is another process that can breakdown HE contaminants. This process may only be important for surface HE and HE in the stream channel of Cañon de Valle where ample sunlight is present.

Table 5.2-1

Solubility and Sorption Characteristics of HE and HE By-products

Constituent of Potential Concern	Water Solubility (mg/ll)	Log K_{oc}	Henry's Constant (atm-m^3/mol)	Environmental Fate	Primary Location in Environment
2-amino-4,6-DNT	2800	0.15	~4 E-9	Gradual movement through soils and groundwater, should bind to humic acids and other organic matter	Subsurface soils and groundwater
4-amino-2,6-DNT	2800	0.26	~1 E-9	Gradual movement through soils and groundwater, should bind to humic acids and other organic matter	Subsurface soils and groundwater
1,3-DNB	533	1.56	1.8 E-7	Gradual movement through soils and groundwater	Subsurface soils and groundwater
2,4-DNT	280	2.4	1.86 E-7	Gradual movement through soils and groundwater, diffusion of both vapor and aqueous phases through soil in soils receiving limited water infiltration	Subsurface soils and groundwater
2,6-DNT	206	1.89	4.86 E-7	Gradual movement through soils and groundwater, diffusion of both vapor and aqueous phases through soil in soils receiving limited water infiltration	Subsurface soils and groundwater
HMX	2.6 or 5.0	2.11	1 E-16	Leaching through soils	Subsurface soils and groundwater
PETN	2 or 32	1.83	4 E-10	Leaching through soils	Subsurface soils and groundwater
RDX	42.2	0.89 to 2.43	6.58 E-12	RDX does not strongly adsorb to soils and sediments, soil adsorption affects RDX migration only in soils with an organic content >0.25 wt %	Subsurface soils and groundwater
Tetryl	75	2.43	2.0 E-12	Leaching through soils	Subsurface soils and groundwater
1,3,5-TNB	385	2.82	9 E-8	Gradual movement through soils and groundwater	Subsurface soils and groundwater
TNT	123	2.67 to 3.2	2.6 E-9	Migration of TNT is affected in soils with a cation-exchange-capacity (CEC) >10 meg/100 g, vapor-phase diffusion only important in soils where water infiltration is low	Subsurface soils and groundwater

Source: Adapted from RFI Work Plan for OU 1082, Addendum 1 (LANL 1994, 52910, Appendix D)

Barium is not susceptible to microbial breakdown, and its behavior is more influenced by inorganic geochemical processes than HE. Cation, anion, and pH analyses for the springs and alluvial waters were used as inputs to the PHREEQEC V. 1.6 (Parkhurst 1995, 54555) geochemical code to examine the geochemical controls on barium. PHREEQEC calculates aqueous speciation and mineral saturation indices from the chemical input data. The results suggest that the spring and alluvial aquifer waters are supersaturated with barite ($BaSO_4$) (Details of the modeling runs are included in Appendix F). This result is consistent with the common occurrence of barite in sediment samples from Cañon de Valle (Appendix F). The other solid phase that controls barium distributions at TA-16 is witherite ($BaCO_3$). PHREEQEC results indicate that the spring and alluvial aquifer waters are undersaturated with witherite (Appendix F). However, witherite has been found in a few of the Cañon de Valle sediment samples. Some witherite in the canyon may come from eroded mesa top sediments (such as the MDA-P area), but more likely, witherite is precipitating in Cañon de Valle. PHREEQEC calculations suggest that increasing pH and carbonate concentrations will cause witherite to precipitate. Simple dewatering could cause these conditions to be met, and so we would expect to find witherite along the margins of the alluvial aquifer where evaporation or transpiration are most evident. It is interesting to note that if alluvial aquifer waters resaturate an area containing witherite, witherite would dissolve, and barium concentrations would rise. This idea is consistent with the observation of dissolution features in witherite samples from Cañon de Valle (Appendix F). Thus, witherite may play an important role in controlling the spatial and temporal variation in barium concentrations in Cañon de Valle. The PHREEQEC results indicate a consistent distribution of ionic species in both the spring and alluvial aquifer waters (Appendix F). The ionic species distribution is, in decreasing concentration order, Ba^{2+}, $BaSO_4$, $BaHCO_3^+$, $BaCO_3$, and $BaOH^+$. Ba^{2+} is the dominant aqueous species, with molalities between 10 to 100 times that of $BaSO_4$.

Because barium concentrations are high enough that barite and sometimes witherite precipitate, residence times in the vicinity of the 260 outfall and TA-16 should be greater than for HE. In addition, because most of the dissolved barium is in a divalent cationic form ($^{2+}$ ion), barium will be highly retarded because of sorption processes on immobile inorganic and possibly organic phases.

Other COPCs at TA-16 are metals and organic compounds (see Sections 2.4.3 and 3.4). The metals of concern include antimony, arsenic, cadmium, chromium, copper, cyanide, lead, manganese, mercury, nickel, selenium, silver, uranium, vanadium, and zinc. Metals can be transported both as colloidal and dissolved phases. However, because of sorption and precipitation, metals can have long residence times. The mobility of the metals is governed largely by the Eh and pH conditions in the waters, soils, sediments, and tuff at TA-16. The Eh and pH conditions are strong controls on the speciation of metals which affects the solubility and sorption of the metal phases. For example, hexavalent (+6) chromium is more mobile than trivalent (+3) chromium. Because the metals may encounter varying Eh and pH conditions in the 260 outfall/Cañon de Valle environments, mobility of the metals may change depending on what part of the TA-16 hydrologic system the metals are in. Cañon de Valle contains many of the same metals as the 260-outfall drainage, which suggests that some transport of metals has occurred from the outfall. However, the outfall may not be the only source of metals to the canyon.

The volatile organic COPCs include acetone, benzene, butylbenzene, dichlorobenzene, isopropyltoluene, toluene, trichloroethane, and trimethylbenzene. The semivolatile COPCs include anthracene, benzoic acid, bis(2ethylhexyl)pthalate, dichlorobenzene, dinitrotoluene, hexachlorocyclopentadiene, nitrosodimethylamine, nitrosodiphenylamine, phananthrene, and pyrene (see Sections 2 and 3 for a more complete discussion of organic COPCs). The organics are subject to the same degradation processes as HE and some are also subject to volatilization. The mobility of an organic

phase is a function of whether the compound is a light or dense non-aqueous phase liquid (sometimes referred to as LNAPL or DNAPL), its solubility (generally, solubilities are low), and its hydrophobicity. Like the metals, organics have been found above background in Cañon de Valle, which suggests that some transport has occurred from the outfall. Because of the various degradation processes, the residence time of organics at TA-16 should generally be less than the metals.

5.4 Implications of Conceptual Model for the Human Health Pathways Exposure Model

Based on discussion presented throughout this section the following media are identified as those for which exposure to human receptors is possible: soil, surface water from springs, surface water from seeps, and sediment. Exposure to subsurface soils and groundwater are not considered viable pathways at TA-16, as will be more fully discussed in following sections.

The choice of appropriate receptors for consideration at TA-16 is realistically based on land use at the site. Based on negotiations with NMED's Hazardous and Radioactive Materials Bureau (HRMB) personnel and LANL's documentation of the future, industrial land use at this PRS and study area (LANL 1998, 59173), a strategy to approach human health risk-based decision making for the CMS process at the 260 outfall site has been developed. This strategy involves evaluating only the industrial exposure scenario for decision making, rather than integrating residential exposure scenarios into the analysis. The use of this strategy more accurately reflects the projected future land use of the site.

This strategy is based on the following justification:

1. TA-16-260 is an active, HE-machining facility located in the heart of the High Explosives R&D and Testing Area of the Laboratory. This area of the Laboratory is industrial, and the land use for this property is slated to be continued Laboratory operations as the High Explosives R&D and Testing Area.

2. The future land use of the site is described in the Land Use Master Plan and Future Land Use Map for the Laboratory. The Master Plan and Future Land Use Map are a part of the 1990 LANL Site Development Plan and Annual Update 1995 (LANL 1995, 57224). The Site Development Plan is a master planning document covering a 20-year period. The Master Plan and Future Land Use Map represent the Laboratory's plan for the future use of the site. These documents demonstrate that no change in the industrial land use designation for this area of the Laboratory is expected.

3. The potential for human exposure to contaminants in the environment at this site is very low. This is a highly secure area of the Laboratory and access to the public is not allowed. Access for a worker is also very restricted. Due to safety restrictions, actual access behind the 260 HE machining building is not allowed during machining operations. LANL believes that the worker with the highest potential for exposure at this site is the environmental worker obtaining samples in support of the RFI/CMS process.

Therefore, the industrial exposure scenario evaluation is most realistic as a decision-making tool for human health risk-based decisions at this site. The following industrial exposure scenarios are proposed for evaluation during the RFI process:

- environmental worker
- worker trail user, and
- industrial/construction worker.

Each of these receptors is potentially exposed to one or more contaminated media as discussed previously in this section. The pathways and exposure routes quantified for the screening assessment in Section 6 are shown in Figure 5.4-1. Further discussion of exposure pathways and routes evaluated is provided in Section 6.

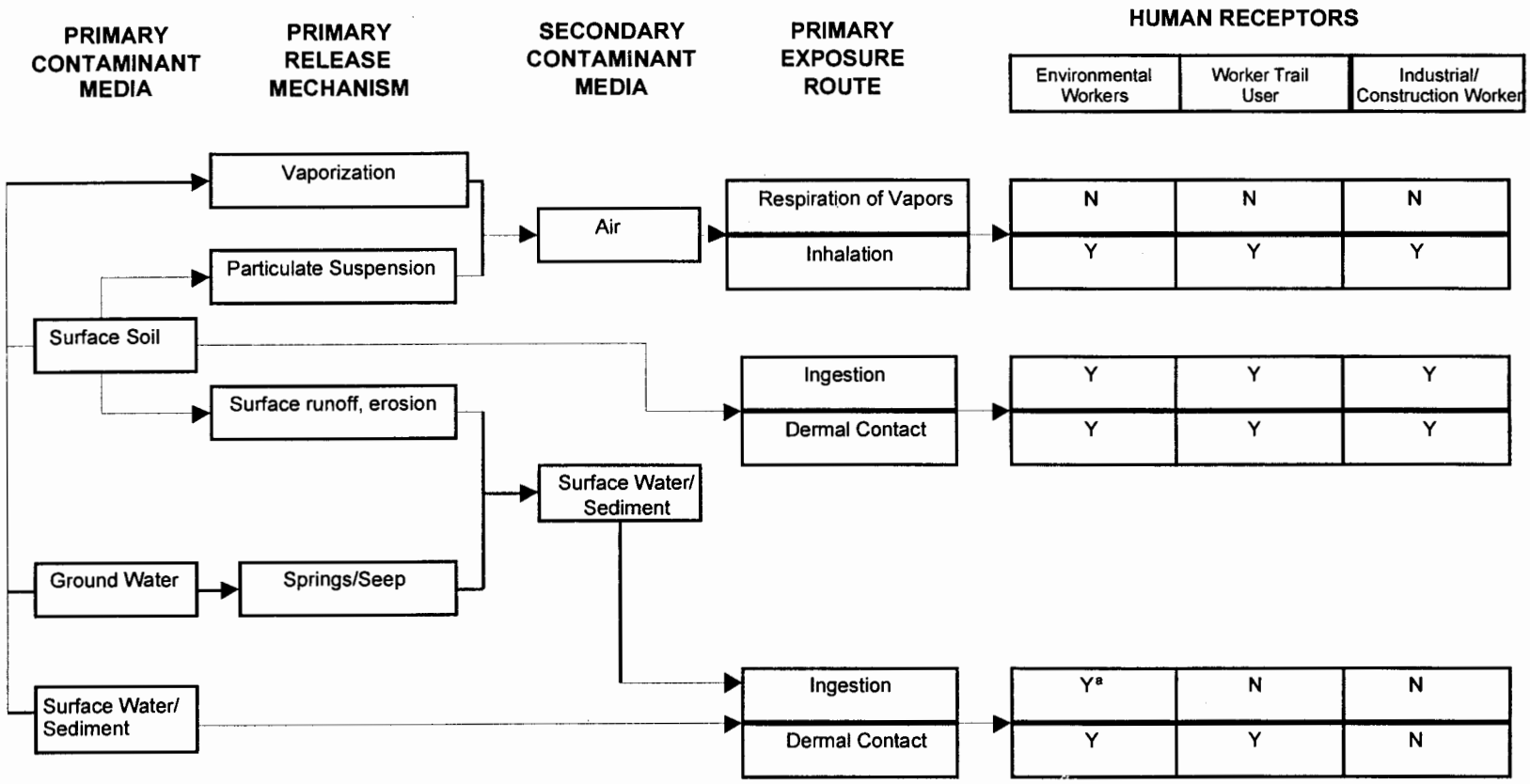
5.5 Implications of Conceptual Model for the Ecological Pathways Conceptual Exposure Model (EPCEM)

Based upon the site conceptual model developed thus far, media that are likely to be encountered by biotic organisms in the area of PRS 16-021(c) (260 outfall) include soils, aquatic (channel) sediments, surface water (including springs and seeps), and shallow (<5 feet) alluvial water. Deep alluvial water (groundwater) and buried tuff are highly unlikely to reach, or be reached by ecological receptors. The Ecological Pathways Conceptual Exposure Model (EPCEM) follows from the site conceptual model and is a detailed treatment of the potential pathways that contaminants may reach ecological receptors. The EPCEM is presented in Appendix D-3.1 and is discussed in detail in Section 6.3.5 of this report. The general concept of media exposure to ecological receptors is characterized in Figure 5.1-1.

The 260 outfall site is part-and-parcel an integral section of Cañon de Valle. There is no distinction, in terms of its ecology or biotic associations, that can be made for the site that might set it apart from the rest of Cañon de Valle.

Receptors for the ecological screening assessment were chosen (Kelly et al. 1998, 57916) to be broadly representative of organisms found in a functional food chain in the greater Los Alamos area. Nine terrestrial receptors have been chosen for ecological screening purposes at LANL; however, there are currently no aquatic ecological receptors identified for screening. The nine terrestrial receptors include a "generic" plant, a soil-dwelling invertebrate (an earthworm), an American robin (avian invertebrate eater), an American kestrel (avian invertebrate/flesh eater), a peregrine falcon (the American kestrel with a 100% flesh diet as a surrogate), a deer mouse (mammalian omnivore), a vagrant shrew (mammalian invertebrate eater), an desert cottontail (mammalian herbivore), and a gray fox (mammalian flesh eater).

Decision-making, with respect to ecological risk, is evaluated here based upon the site conceptual model, the EPCEM, and the methods set forth in Kelly et al. (1998, 57916). Both terrestrial and aquatic exposure pathways are considered in Section 6.3. Section 6.3 details the ecological scoping and screening processes. No site-specific ecological risk assessment will be performed for this RFI report, as these methods have not yet been developed.



[a] for sediment only

Figure 5.4-1. Human health pathways conceptual exposure model

6.0 SCREENING ASSESSMENT

6.1 Summary

Sections 2, 3, and 4 of this report provided extensive data evaluation to identify those constituents associated with various media that should be carried forward into a screening level assessment for human health and ecological effects. Table 6.1-1 provides a concise list of all chemicals that have been retained for such an analysis from these three sections. These are the only constituents which are considered here.

Table 6.1-1

Summary of Constituents Retained As COPCs for Further Screening

Analyte	Media
Inorganics	
Aluminum	Water
Ammonium	Water
Antimony	Drainage sediment, soil, tuff, Cañon de Valle sediment, water
Arsenic	Drainage sediment, tuff, Cañon de Valle sediment, water
Barium	Drainage sediment, tuff, Cañon de Valle sediment, water
Bicarbonate	Water
Boron	Water
Cadmium	Drainage sediment, Cañon de Valle sediment
Calcium	Water, tuff
Chloride	Water
Chromium, total	Drainage sediment, Cañon de Valle sediment, tuff, water
Cobalt	Drainage sediment, Cañon de Valle sediment
Copper	Drainage sediment, tuff, Cañon de Valle sediment
Cyanide, total	Drainage sediment, soil, tuff, Cañon de Valle sediment
Fluoride	Water
Iron	Cañon de Valle sediment, water
Lead	Drainage sediment, tuff, Cañon de Valle sediment, water
Magnesium	Water
Manganese	Drainage sediment, Cañon de Valle sediment, water
Mercury	Tuff, Cañon de Valle sediment, water
Nickel	Drainage sediment, tuff, Cañon de Valle sediment, water
Nitrate	Water
Potassium	Water
Phosphate	Water

Table 6.1-1 (continued)

Analyte	Media
Inorganics (continued)	
Selenium	Drainage sediment, tuff, Cañon de Valle sediment
Silicon dioxide	Water
Silver	Drainage sediment, tuff, Cañon de Valle sediment
Sodium	Water
Strontium	Water
Sulfate	Water
Thallium	Cañon de Valle sediment, tuff
Titanium	Water
Uranium	Drainage sediment
Vanadium	Drainage sediment, Cañon de Valle sediment, water
Zinc	Drainage sediment, Cañon de Valle sediment, water
Radionuclides	
Cesium-137	Cañon de Valle sediment
Uranium-234	Water
Uranium-238	Water
HE	
Amino-2,6-dinitrotoluene[4-]	Soil, tuff, water
Amino-4,6-dinitrotoluene[2-]	Soil, tuff, water
Dinitrobenzene[1,3-]	Soil, water
Dinitrotoluene[2,4-]	Soil, tuff, water
Dinitrotoluene[2,6-]	Soil
HMX	Soil, tuff, water, Cañon de Valle sediment
Nitrobenzene	Soil, Cañon de Valle sediment, water
Nitrotoluene[3-]	Soil, tuff, water, Cañon de Valle sediment
Nitrotoluene[4-]	Soil
RDX	Soil, tuff, water, Cañon de Valle sediment
Tetryl	Water
Trinitrobenzene[1,3,5-]	Soil, tuff, water, Cañon de Valle sediment
Trinitrotoluene[2,4,6-]	Soil, tuff, water, Cañon de Valle sediment

Table 6.1-1 (continued)

Analyte	Media
Organics	
Acetone	Soil, tuff, Cañon de Valle sediment, water
Anthracene	Soil, tuff
Benzene	Soil
Benzoic Acid	Soil, Cañon de Valle sediment
Benzo(a)pyrene	Surge
Benzo(b)fluoranthene	Surge
Benzo(g,h,i)perylene	Surge
Benzo(k)fluoranthene	Tuff
Benzyl Alcohol	Cañon de Valle sediment
Bis(2-ethylhexyl)phthalate	Soil, tuff, Cañon de Valle sediment, water
Bromomethane	Water
Butanone[2-]	Tuff
Butylbenzene[sec-]	Soil
Butylbenzylphthalate	Tuff
Chlorobenzene	Tuff
Chloromethane	Water, tuff
Chlorophenol[2-]	Water
Dibenz(a,h)anthracene	Surge
Dibromo-3-chloropropane[1,2-]	Soil
Dichlorobenzene[1,2]	Soil
Dichlorobenzene[1,4-]	Tuff
Dichloroethane[1,2-]	Tuff, water
Dichlorodifluoromethane	Cañon de Valle sediment
Dichloroethene[cis-1,2-]	Water
Diethylpthalate	Cañon de Valle sediment, soil, tuff
Di-n-butylphthalate	Water, Cañon de Valle sediment, tuff
Dinitro-2-methylphenol[4,6-]	Water
Dinitrotoluene[2,4-]	Soil, tuff
Dinitrotoluene[2,6-]	Soil, surge, water
Di-n-octylphthalate	Water
Fluoranthene	Cañon de Valle sediment
Hexachlorocyclopentadiene	Soil
Indeno[1,2,3-cd]pyrene	Surge
Isopropyltoluene[4-]	Soil, Cañon de Valle sediment

Table 6.1-1 (concluded)

Analyte	Media
Organics (continued)	
Methylene Chloride	Tuff, water
Nitrosodiphenylamine[N-]	Soil
Phenanthrene	Soil, surge
Phenol	Cañon de Valle sediment
Pyrene	Soil, Cañon de Valle sediment
Styrene	Tuff
Tetrachloroethene	Water, tuff
Toluene	Soil, tuff, Cañon de Valle sediment
Trichloro-1,2,2-trifluoroethane[1,1,2-]	Cañon de Valle sediment
Trichloroethane[1,1,1-]	Soil, water
Trichloroethene	Water
Trichlorofluoromethane	Cañon de Valle sediment, tuff
Trimethylbenzene[1,2,4-]	Soil
Trimethylbenzene[1,3,5-]	Tuff

A human health screening assessment is provided in Section 6.2. The screening assessment contains the following sections: (1) a scoping evaluation, (2) the screening evaluation, (3) the uncertainty analysis, and (4) recommendations. Methods for the screening assessment are provided in Section 6.2.1 and additional methods are provided in Appendix D. The screening assessment includes a combination of comparison to risk-based criteria and applicable regulatory requirements. The source area (260 outfall area) fails this screening analysis based primarily on HE, bis(2-ethylhexyl)phthalate, and several metals, including barium. Surface, spring, and alluvial water data also contain the high explosive RDX and several metals, including barium. Tables listing all of the COPCs that failed the screen are provided in Section 6.2. A comprehensive list of COPCs retained following the human health screening assessment is provided in Table 6.2-6.

An ecological screening is provided in Section 6.3. The ecological screening analysis consists of four subsections: (1) the scoping evaluation, (2) the screening evaluation, (3) the uncertainty analysis, and (4) recommendations. (Methods for the screening assessment are set forth in Kelly et al. [1998, 57916]). The 260 outfall area fails an ecological screening analysis and biotic species are determined to be potentially at risk from contamination on the 260 outfall site. Additionally, there is a high potential for the transport of contamination off-site by physical and biotic processes. The list of COPECs is extensive and the reader is referred to Section 6.3 of this report. Of primary ecological concern are the presence of potential persistent bioaccumulators and the highly elevated concentrations of barium, manganese, bis(2-ethylhexyl)phthalate, HMX, RDX, and 2,4,6-TNT.

Cañon de Valle in the area of the 260 outfall site is identified as biotically rich in both terrestrial and aquatic species. The known presence of the Mexican spotted owl *(Strix occidentalis lucida)* in Cañon de Valle poses special challenges for the containment and remediation of the 260 outfall site.

6.2 Human Health Screening Assessment

6.2.1 Scoping

A human health screening assessment is used in this RFI to determine which COPCs are expected to contribute the greatest amount of risk to potential receptors. The human health screening methodology is performed according to guidance provided by EPA Region VI and NMED. The list of COPCs entered into the screen is provided on Table 6.1.1 and is the result of the extensive data reviews presented in Chapters 2, 3, and 4. All compounds eliminated as COPCs in these reviews are not carried forward in the screening assessment.

Based on negotiations with Hazardous and Radioactive Materials Bureau (HRMB) personnel and LANL's documentation of the future industrial land use at this PRS and study area (LANL 1998, 59173), a strategy to approach human health risk-based decision making for the CMS process at the 260 outfall site has been developed. This approach is presented in Section 5.4. As stated therein, the industrial exposure scenario evaluation was selected as the most realistic decision-making tool for human health risk-based decisions at this site. The following industrial exposure scenarios are proposed for evaluation during the RFI process:

- environmental worker
- worker trail user, and
- industrial/construction worker.

These receptors were chosen to represent a range of potential exposures to those that work at TA-16. These receptors are not hypothetical, but are the most likely industrial receptors based on activity at this site. The environmental worker is representative of individuals involved in environmental monitoring, i.e., field sampling efforts. The worker trail user is defined as a worker who uses the trails for recreation/exercise purposes such as walking/jogging. The industrial/ construction worker is representative of workers involved in more intensive work efforts than the other defined receptors such as excavation. These receptors are the basis for derivation of site-specific screening action levels (SSALs).

Exposure routes and pathways are determined on a receptor-specific basis and are listed further in this discussion. The equations and parameters used in deriving these SSALs are provided in Appendix D. Many parameters are taken from standard EPA methodology documents including:

- Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual (Part A), (EPA 1989, 08021);
- Human Health Evaluation Manual, Part B: Development of Risk-Based Preliminary Remediation Goals, (EPA 1991a, 58234); and
- Human Health Evaluation Manual, Supplemental Guidance: Standard Default Exposure Factors, OSWER Directive 9285.6-03 (EPA 1991b, 56140).

Other EPA guidance documents have also been used and are referenced in the tables presented in Appendix D. Other parameters, which are also referenced, are more site-specific and have been developed specifically to support this effort. Since this is a screening level assessment, parameters have

been developed only for the reasonable maximum exposure (RME) case. The less conservative central tendency estimate (CT) parameters have not been used in this analysis. Rationale for choice of each parameter is provided in footnotes on the appropriate tables. Toxicity information (i.e., reference doses and cancer slope factors) was taken from *Region 9 Preliminary Remediation Goals* (EPA 1998, 58751). Information on cancer classification for carcinogens was found in IRIS or, for RDX, in the toxicity profile prepared by the Agency for Toxic Substances and Disease Registry (ATSDR 1993, 56531).

Media considered in this assessment are specific to the receptor and conditions under which he/she is exposed. For each receptor, the following media and pathways were considered:

- Environmental worker
    - Soil—inhalation of fugitive dust, incidental ingestion, dermal contact;
    - Sediment—incidental ingestion, dermal contact;
    - Surface water—dermal contact.
- Worker trail user
    - Soil—inhalation of fugitive dust, incidental ingestion, dermal contact;
    - Surface water—dermal contact.
- Industrial/Construction worker
    - Soil—inhalation of fugitive dust, incidental ingestion, dermal contact.

These exposure pathways are evaluated to be consistent with the conceptual site model presented in Chapter 5. The conceptual model indicates that there are areas in TA-16 in which receptors could be expected to contact surface water and/or sediment, depending on their particular activities. These areas include seeps, springs, and associated sediments (see Figure 5.1-1). Incidental ingestion of surface water or sediment by the worker trail user was not considered a reasonable exposure route. Information provided by environmental workers at LANL indicated that these receptors do not incidentally ingest surface water and are unlikely to ingest sediment (although ingestion of sediment is possible, and therefore, included). However, the worker trail user would have much less potential for exposure to these media than the environmental worker, and therefore, incidental ingestion of these media is not considered in derivation of the SSALs. Based on the conceptual model in Section 5, a conceptual model for human health screening has been developed and is presented in Figure 5.4-1 of that section.

In order to perform the screening level human health assessment, SSALs based on the receptors and pathways identified above were developed in accordance with general EPA guidance from *Development of Risk-Based Preliminary Remediation Goals* (EPA 1991, 58234) and *Region 9 Preliminary Remediation Goals (PRGs) 1998* (EPA 1998, 58751).

Following calculation and review of the SSALs, these values were compared to maximum detected concentrations of analytes for media including surface soil, sediments, and surface water. The comparison for carcinogenic constituents classified as A or B class carcinogens was to SSALs for a target risk of 1×10^{-6} (one in one million). Per NMED guidance, class C carcinogens were compared to SSALs for a target risk of 1×10^{-5}. For noncarcinogens, where at least two noncarcinogens are considered in the screen, the comparison is to one-tenth of the SSAL based on a hazard index of one. Use of one-tenth

SSAL for noncarcinogenic constituents is in accordance with NMED guidance. Those constituents having maximum concentrations exceeding SSALs (0.1 SSALs for noncarcinogens) are retained as COPCs for further analysis.

Data from surface water were also compared to surface water regulatory thresholds developed by the New Mexico Water Quality Control Commission. Even though ingestion of surface water or groundwater as an exposure route is not considered in development of SSALs, data from surface water and springs are compared to regulatory thresholds that are based on ingestion of water. Even though this comparison may seem conflicting, it is important to consider the regulatory thresholds for these media since they may be an important basis for decision-making in the future. If no regulatory threshold was identified, a constituent was then compared to surface water SSALs. Other regulatory water standards were also used, when applicable, including those developed by the New Mexico Water Quality Control Commission and New Mexico Environment Department (LANL 1997, 59174). Only those thresholds based on protection of human health were used in the surface water assessment. If two or more agencies have developed different regulatory thresholds for human health, the more conservative (lower) threshold was used.

Data from springs were separated from surface water data because the springs are associated with vadose-zone hydrogeology, whereas surface water, such as seeps are associated with the alluvial system. Therefore, the springs are associated with groundwater rather than surface water, and groundwater regulatory thresholds, such as MCLs, should be more applicable for comparison than surface water thresholds or SSALs.

Data from deep borehole tuff samples were not screened. These samples were taken at depths ranging from 20 to 200 feet and the lack of a plausible exposure pathway to these deep soils was considered. Therefore, no screening analysis was performed.

6.2.2 Screening Evaluation

The calculated SSALs are provided in Appendix D. Results of the screening evaluation are shown on Tables 6.2-1 through 6.2-6. Only those constituents that failed the screen (exceeded the appropriate SSAL and/or regulatory threshold) are included on the tables. A comprehensive comparison of all constituents to their respective SSALs is provided in Appendix D. As indicated on Table 6.2-1 (carcinogenic COPCs, soil), the data used in this comparison were for dry sediments in the source area. This material was deposited in the former pond as sediment; however, because these sediments are dry, a comparison to soil SSALs was considered more appropriate than to SSALs for wet sediment.

Table 6.2-1

Carcinogenic COPCs Compared to Soil SSALs for Constituents That Failed the Screening Assessment

Chemical	Carcinogenic Classification	Location ID	Sample ID	Depth (ft)	Maximum Sample Value (mg/kg)	SSAL[a] (10^{-6}) (mg/kg)	10 × SSAL[a] (10^{-5}) (mg/kg)
Metals							
Arsenic	A	16-2710	0316-97-0388	0.5–1	9.7[b]	1.44	NA[c]
Semivolatiles							
Bis(2-ethylhexyl)phthalate	B2	16-1379	0316-95-0044	1.0–1.5	4600	48.7	NA
HE							
RDX	B2	16-1382	0316-95-0045	1.5–1.9	118 000 (J-)[d]	6.19	NA
2,4,6-Trinitrotoluene	C	16-1382	0316-95-0045	1.5–1.9	102 000 (J-)	22.7	227

[a] Based on the receptor from which the lowest SSALs are calculated (industrial worker for soil).

[b] Data are from 260 outfall former pond sediments, but are dry sediments and are screened as soils.

[c] NA = Not applicable.

[d] J- = The analyte was positively identified, and the result is likely biased low.

Carcinogenic COPCs that remain following the comparison include arsenic, one semivolatile, and two HEs, based on the SSALs for an industrial worker (the most conservative SSALs for soil carcinogens). For noncarcinogenic constituents, barium, manganese, and five HEs exceeded screening values. This comparison is based on the SSALs for a construction worker (the most conservative SSALs for soil noncarcinogens) and results are shown on Table 6.2-2. Antimony is retained because its detection limit exceeds one-tenth of SSAL. Arsenic and manganese are not considered to be associated with TA-16 activities and, therefore, are questionable as COPCs (see Section 6.2.3.) For surface water, including Cañon de Valle and alluvial water, only RDX exceeded its SSAL as a carcinogen (based on a trail user) as indicated in Table 6.2-3. The noncarcinogenic metal barium failed the screen based on comparison to its regulatory threshold as shown in Table 6.2-4. Comparison of data from springs to regulatory thresholds for drinking water (EPA MCLs and health advisories) identified RDX, four metals, and two volatile organics as COPCs. These results are listed in Table 6.2-5. This conservative comparison was considered appropriate even though water from the springs is not expected to be a drinking water source. Regulatory threshold comparisons are included for completeness as they may be an important basis for decision-making in the future.

Table 6.2-6 is a comprehensive list, by medium, of constituents retained as COPCs based on the human health screening evaluation. Note that three constituents are retained due to lack of toxicity data. This is discussed further in Section 6.2.3.

Table 6.2-2

Noncarcinogenic COPCs Compared to Soil SSALs for Constituents That Failed the Screening Assessment

Chemical	Location ID	Sample ID	Depth (ft)	Maximum Sample Value (mg/kg)[a]	Soil SSAL[b] (mg/kg)	1/10th SSAL (mg/kg)
Metals						
Antimony	16-1380	0316-95-0028	0–0.5	9.8(U)[c]	79.8	7.98
Barium	16-1392	0316-95-0040	0–0.5	33 300	13 800	1380
Manganese	16-2710	0316-97-0388	0.5–1	1890	8630	863
HE						
Amino-2,6-dinitrotoluene[4-]	16-1408	0316-95-0026	0–0.5	64.1	128	12.8
Amino-4,6-dinitrotoluene[2-]	16-1408	0316-95-0026	0–0.5	82.7	128	12.8
Dinitrobenzene[1,3-]	16-1383	0316-95-2013	0–0.5	29(J)	12.8	1.28
Dinitrotoluene[2,4-]	16-1382	0316-95-0045	1.5–1.9	46.1(J-)	255	25.5
HMX	16-1388	0316-95-0036	0–0.5	137 000	6390	639

[a] Data are from 260 outfall former pond sediments, but are dry and therefore screened as soils.

[b] Based on the receptor from which the lowest SSALs are calculated (construction worker for soil).

[c] U = The analyte was analyzed for but not detected.

[d] J- = The analyte was positively identified, and the result is likely to be biased low.

Table 6.2-3

Carcinogenic COPCs Compared to Surface Water (Alluvial and Cañon de Valle) Regulatory Thresholds and SSALs for Constituents That Failed the Screening Assessment

Chemical	Carcinogenic Classification	Location ID	Sample ID	Maximum Sample Value (µg/l)	Regulatory Threshold (µg/l)	SSAL[a] (10^{-6}) (µg/l)	SSAL[a] (10^{-5}) (µg/l)
HE							
RDX	B2	16-2759	0816-96-0093	818[b]	N/A[c]	128	NA[d]

[a] Based on the receptor from which the lowest SSALs are calculated (trail user for surface water).

[b] Unfiltered sample; Cañon de Valle surface water. When no regulatory standard is available, the higher sample value (filtered versus unfiltered) is used for SSAL comparison.

[c] N/A = Not available.

[d] NA = Not applicable.

Table 6.2-4

Noncarcinogenic COPCs Compared to Surface Water (Alluvial and Cañon de Valle) Regulatory Thresholds and SSALs for Constituents That Failed the Screening Assessment

Chemical	Location ID	Sample ID	Maximum Sample Value (µg/l)	Regulatory Threshold[a] (µg/l)	SSAL (1/10th) (µg/l)
Metals					
Barium (alluvial)	16-2658	0316-97-0485	12 000[b]	1000	NA[c]
Barium (Cañon de Valle)	16-2671	0316-97-0451	4700[b]	1000	NA

a New Mexico Water Quality Control Commission Surface Water Standard for Domestic Water.

b Filtered sample as specified in surface water standard.

c NA = Not applicable.

Table 6.2-5

Spring COPCs Compared to Regulatory Thresholds for Constituents That Failed the Screening Assessment

Chemical	Location ID	Sample ID	Maximum Sample Value (µg/l)[a]	Regulatory Threshold (µg/l)
Inorganics				
Aluminum	16-2651	0316-97-3010	5900	50[b]
Boron	16-2650	0316-97-3014	1800	600[c]
Iron	16-2651	0316-97-3010	1640	300[b]
Manganese	16-2651	0316-97-3187	70	50[b]
Organics				
Chloromethane	16-2652	0316-96-3000	30	3[c]
Dichloromethane[1,2-]	16-2652	0316-96-3000	6	5[d]
HE				
RDX	16-2650	0316-96-3002	157[a]	2[c]

a Unfiltered sample; EPA regulatory thresholds do not specify use of filtered or unfiltered data. Since unfiltered data were higher for these constituents, they are used in this screening evaluation.

b EPA Secondary Maximum Containment Level (MCL) (EPA 1996).

c EPA lifetime health advisory for a 70 kg adult (EPA 1996).

d EPA MCL (EPA 1996).

Table 6.2-6

Summary of Constituents Retained Following Human Health Screening Assessment

Soil/Sediment 260 Outfall		
Inorganics	*HE*	*Organics*
None	Amino-2,6-dinitrotoluene(4-)	Bis(2-ethylhexyl)phthalate
	Amino-4,6-dinitrotoluene(2-)	Isopropyltoluene[4-][a]
	Dinitrobenzene[1,3-]	Phenanthrene[a]
	Dinitrotoluene[2,4-]	
	HMX	
	RDX	
	Trinitrotoluene[2,4,6-]	
Sediment (Drainage and/or Cañon de Valle)		
Inorganics	*HE*	*Organics*
Antimony	None	Bis(2-ethylhexyl)phthalate
Arsenic		Isopropyltoluene[4-][a]
Barium		
Lead[a]		
Manganese		
Water (Alluvial, Cañon de Valle, Surface Water, Springs)		
Inorganics	*HE*	*Organics*
Aluminum (springs)	RDX (Cañon de Valle)	Chloromethane (springs)
Barium (Cañon de Valle, alluvial)		Dichloroethane[1,2-] (springs)
Boron (springs)		Dinitro-2-methylphenol[4-6-][a] (Cañon de Valle)
Iron (springs)		
Manganese (springs)		

[a] Retained due to lack of toxicity criteria on which to base derivation of SSALs.

6.2.3 Uncertainty Analysis

As previously stated, toxicity information (i.e., reference doses and cancer slope factors) was taken from *Region 9 Preliminary Remediation Goals* (EPA 1998, 58751). Please note that not all values used in Region 9's database are approved for use by the EPA headquarters workgroup for toxicity criteria. Some are flagged as derived from alternative sources of information (e.g., Health Effects Assessment Summary Tables [HEAST], EPA's National Center for Environmental Assessment [NCEA] and other sources). These sources of information are considered valid secondary sources and these values are used as listed in the Region 9 document in derivation of the SSALs.

In addition, values were not available for all analytes to be screened in the 260 analytical database. These include

- dinitro-2-methylphenol[4,6-],
- isopropyltoluene,
- phenanthrene, and
- lead.

Lack of toxicity information on the first three constituents is unlikely to significantly affect the outcome of this assessment. However, these constituents are retained as COPCs for further evaluation in subsequent human health evaluations (i.e., baseline risk assessment, if deemed appropriate).

Health effects from exposure to lead in soil are not addressed using typical toxicity criteria (RfDs or slope factors), but are addressed using the Integrated Exposure Uptake Biokinetic (IEUBK) model. Lead levels in source area soils, however, were not high enough to warrant use of this model for a screening assessment. The maximum observed concentration (107 mg/kg) is significantly below the current soil screening level for residential exposure (400 mg/kg). Lead in surface water was screened against a regulatory threshold and did not exceed the threshold. However, lead in sediment (260 outfall and Cañon de Valle) cannot be adequately addressed in this assessment and it is retained as a sediment COPC for further evaluation.

The evaluation of total uranium found in source area soils requires a specialized screening analysis since EPA-type SSALs are not calculated for total uranium, but are derived for isotope-specific radionuclides or for uranium soluble salts. Details of sample data and background comparison for total uranium are located in Table 2.4-3. The maximum sample value was 8.7 mg/kg, while the BV for sediment is 2.22 mg/kg. The majority of samples taken either equaled or exceeded the BV. SSALs for natural uranium have been calculated using the computer code RESRAD for estimating doses of radiation from "residual radioactivity" or soil levels of radionuclides that correspond to particular dose levels. For this analysis, the SSAL for natural uranium was chosen since it results in a more conservative SSAL than other forms (e.g., enriched or depleted uranium). The SSAL for natural uranium, based on the residential receptor, is 29 mg/kg. SSALs for other site receptors would be larger, since the resident is the receptor for which SSALs are most conservative. This SSAL is protective of the residential receptor at an annual dose of 10 mrem. Currently proposed dose limits by the EPA and NRC are all higher than 10 mrem/yr and include 15 and 25 mrem/yr for the two agencies, respectively. Based on the above analysis, the conclusion is reached that uranium in the source area poses no unacceptable risk to human health, and it is eliminated as a COPC. This screening approach is an exception to that applied to nonradiological constituents in that a residential receptor is used (as the most conservative) and the computer model RESRAD is used. Because it is an exception, the residential receptor is not shown on the conceptual model in Figure 5.4-1.

A similar analysis was performed for cesium-137 in Cañon de Valle sediment. Cesium-137 was detected in 12 of 31 sediment samples with only one detection (1.06 pCi/gm) exceeding sediment BV (0.9 pCi/gm). Using the RESRAD code in the manner described above, the SSAL for soil for cesium-137 is 5.1 pCi/gm; five-fold higher than the highest detected activity for cesium in sediment. Therefore, cesium in sediment poses no unacceptable risk to human health, especially considering that any exposure to sediment would

be expected to be much lower than exposure to soil. Therefore, cesium-137 in sediment is eliminated as a COPC.

As a result of the data evaluation in Section 3, two uranium isotopes (uranium-234 and uranium-238) in surface water were retained as COPCs for further screening because several samples exceeded the detection limit. The highest detected activities for these isotopes were 0.144 and 0.135 pCi/l for uranium-234 and uranium-238, respectively. Using the specific activities of these isotopes, the activities can be converted to units of µg/l for comparison to an EPA derived regulatory threshold for total uranium in drinking water. The converted value for uranium-234 is negligible and for uranium-238 is 0.403 µg/l. It should be noted that conversion of specific activities to mass assumes secular equilibrium, and some degree of uncertainty is associated with this assumption. This value can be compared to the EPA action level (also proposed MCL) of 20 µg/l for total uranium (EPA 1996, 55500). Comparison of surface water data to MCLs (or action levels) is a very conservative approach and the fact that the surface water concentrations are much lower than the proposed action level would indicate that these isotopes should be eliminated as COPCs, and they are therefore eliminated.

Water quality parameters such as carbonate, chloride, and nitrogen/nitrate/nitrite were not considered in the analysis. In addition, common constituents of soils (e.g., sodium) and essential nutrients (e.g., calcium, magnesium) were not considered. These constituents are only of concern when present at very high levels, but were not present in high enough levels at this site to warrant screening.

As previously mentioned, arsenic and manganese have been identified as COPCs in sediment, based on failing the human health screen. There is no process or historical knowledge that would suggest that arsenic and manganese would be expected to be associated with TA-16. However, they are included as COPCs in TA-16 sediment for further evaluation of potential human health effects.

6.2.4 Recommendations

Based on the results of the screening analysis, it is apparent that soils in the source area pose the greatest concern to human health. Most of the COPCs retained exceeded their respective SSAL by an order of magnitude or more. Two exceptions are arsenic, which exceeded its SSAL by a factor of seven, and manganese, which exceeded its SSAL by a factor of two. It is likely that most of the arsenic and manganese concentrations are attributable to background. However, they are retained as COPCs for human health. The remaining COPCs that are of the greatest concern in the source area include: bis(2-ethylhexyl)phthalate, RDX, trinitrotoluene [2,4,6-], HMX, and barium. These compounds are found in high concentrations (two or more orders of magnitude greater than SSALs), and the IA scheduled for this area will target the recovery of the majority of this contamination. The finding of barium and RDX in surface water at high levels is not surprising, given the levels present in source areas soils. The study of hydrogeology of the site should continue in order to obtain further understanding of the movement, both historical and future, of these contaminants.

6.3 Ecological Screening Assessment

The ecological screening assessment consists of four parts: (1) the scoping evaluation, (2) the screening evaluation, (3) the uncertainty analysis, and (4) recommendations. The ecological risk screening assessment process is fully described in Kelly et al. (1998, 57916).

The scoping evaluation includes (1) evaluation of the PRS for its biotic associations, including threatened and endangered (T&E) species associations; (2) evaluation of the PRS for the nature of suspected contamination and mechanisms of contaminant transport onto or away from the site; (3) evaluation of the PRS for aggregation with neighboring PRSs due to process knowledge and/or biotic and geographical associations; (4) the data assessment step, which determines if the list of COPCs for the PRS is adequate for the ecological screening assessment; (5) evaluation of the ecological pathways conceptual exposure model (EPCEM) for the specific PRS under investigation; and (6) evaluation of the level of concern from potential persistent bioaccumulators and biomagnifiers identified as COPCs. The basis for the PRS-specific ecological problem formulation is found in the scoping checklist, which is included in Appendix D, Section D-3.0. The scoping checklist is a useful tool for organizing existing ecological information and focusing information needed to develop the site conceptual model. The scoping checklist also provides a basis for reflecting on the adequacy of the data for ecological screening; i.e., Do the data address the EPCEM?

The screening evaluation includes the calculation of hazard quotients (HQs) and hazard indices (HIs) for all COPCs and all appropriate screening receptors. An HQ can be thought of as the ratio of the measured exposure dose potentially received by a receptor (based on contaminant levels at the PRS) to a dose that has been determined to be acceptable based on toxicity studies (for a specific receptor). An HI is the sum of HQs, across contaminants with like effects (e.g., nonradiological or radiological), for a particular screening receptor. An HQ or HI greater than 1 is considered an indicator of potential adverse effects on ecological receptors. The chemical constituents resulting in an HQ greater than 1 are identified as COPECs. Those chemical constituents that contributed a score of ≥0.1 to an HI greater than 1, are also identified as COPECs. A complete HQ/HI analysis is presented in Appendix D.

In addition to the HQ/HI calculations, the screening evaluation includes the calculation of a *hazard indicator value across receptors* (HIVAR), which is described fully in Section 6.3.2. The HIVAR is the sum of the maximum HQs calculated across all terrestrial screening receptors for each COPEC. Since the only screening receptors identified thus far are terrestrial (see Section 6.3.2), the HIVAR applies only to soil-based contamination.

An uncertainty analysis follows the COPEC identification. This analysis describes the key sources of uncertainty in the screening assessment. This may include information on sampling procedures, resulting data, and laboratory uncertainty, as well as a discussion of the assessment of COPECs in terms of their fate in the natural environment and their relevance with respect to receptors and biotic processes. The uncertainty analysis can result in the addition or removal of chemical constituents from the list of COPECs.

Following the uncertainty analysis, the results of the screening assessment are interpreted and discussed in the context of a risk management decision. This discussion may draw on information from process knowledge of the PRS, and from information derived from ecological scoping, in order to evaluate the relevance of COPEC data in the context of biotic associations involving the PRS. Possible decisions could be a recommendation of the appropriate, in terms of ecological concerns, corrective action or BMP. Other possible recommendations: ecological no further action (NFA), voluntary corrective action (VCA), VCM, or CMS. Recommendations will be incorporated into an integrated risk management decision to include human health risk evaluations, surface and groundwater issues, and other applicable regulations. If the data are not adequate to support a recommendation, further investigation will be recommended to support an aggregate or baseline risk assessment.

6.3.1 Scoping

The ecological scoping checklist for PRS 16-021(c) is found in Appendix D, Section D-3.0. Information from this checklist is summarized in the sections below.

6.3.1.1 Biotic Associations

The biotic community in the area of PRS 16-021(c) (the 260 outfall) is rich and reflective of a well-developed canyon's flora and fauna. The area is largely characterized as ponderosa pine *(Pinus ponderosa)* forest with some mixing of conifer species (e.g., Douglas fir *[Pseudotsuga menziesii]* and white fir *[Abies concolor]*) and local intrusions of aspen *(Populus tremuloides)*. The forest is richly layered with an understory of shrubs dominated by Gambel oak *(Quercus gambelii)* and ground layers composed of many species of grasses and forbs. The terrestrial biota of the area, including Cañon de Valle, is described more fully in (Raymer 1996, 59095). Below the 260 outfall, in the bottom of Cañon de Valle, is a perennial stream reach that is fed by several springs and seeps including Peter Seep, Burning Ground Spring, and SWSC Spring. The benthic flora and fauna of these permanent water features are well developed, diverse, and typical for stream reaches in canyon bottoms in the upper reaches of the Laboratory grounds (Ford-Schmid 1996, 59111).

There are a number of T&E species concerns associated with PRS 16-021(c). The area is known habitat for Mexican spotted owl *(Strix occidentalis lucida)* nesting, roosting, and hunting. The area is also listed as potential habitat for northern goshawk *(Accipiter gentilis)*, common black hawk *(Buteogallus anthracinus)*, broad-billed hummingbird *(Cynanthus latirostris)*, southwestern willow flycatcher *(Empidonax trailii extimus)*, peregrine falcon *(Falco peregrinus)*, bald eagle *(Haliaeetus leucocephalus)*, Mississippi kite *(Ictinia mississippiensis)*, spotted bat *(Euderma maculatum)*, pine martin *(Martes americana)*, New Mexico meadow jumping mouse *(Zapadus hudsonius luteus)*, Jemez Mountains salamander *(Plethodon neomexicanus)*, Say's pond snail *(Lymnaea captera)*, wood lily *(Lilium philadelphicum* var. *andium)*, checker lily *(Fritillaria atropurpurea)*, Sandia alumroot *(Heuchera pulchella)* [unlikely], Pagosa phlox *(Phlox caryophylla)* [unlikely], and yellow lady's slipper *(Cyprepedium calceolus* var. *pubescens)* (Raymer 1996, 59095). Generally, the area of PRS 16-021(c) and Cañon de Valle is rich in biotic structure and diversity and would likely be host to any of the species found in the Jemez Mountains, with the exception of alpine or extreme xeric flora and fauna.

6.3.1.2 Suspected Contamination Effects on Biotic Media

The nature and extent of contamination for PRS 16-021(c) is summarized in Sections 2 through 4 of this report. It is clear from ecological scoping activities (see Appendix D) that contaminants have affected biotic media on PRS 16-021(c) proper, and have likely reached receptors off the PRS in the bottom of Cañon de Valle, and beyond, via anthropogenic, hydrogeologic, and climatic processes. It is unclear, however, how widely contaminants have been distributed in the environment by biotic processes.

Ecological effects on the 260 outfall proper are apparent from the physical disturbance of the area. However, the condition of the surface of PRS 16-021(c) makes it difficult to distinguish the effects of physical disturbance from the effects of biotic inhibition due to contamination at the site. The surface of PRS 16-021(c) is completely denuded. The high-flow volume from the 260 outfall over the years of operation caused significant disturbance to the area. Where the outfall reaches the bottom of Cañon de Valle, the disturbance of the soil and tuff surfaces appears to be abruptly attenuated by the invasion of plants. However, with knowledge of the magnitude of contamination in surface soil (see Section 2) , as

well as the inactivity of the 260 outfall in recent years, it appears likely that contamination in the 260 outfall proper is inhibiting the invasion of plants on the PRS.

It is also unclear which contaminants may have affected, or may be affecting, biota in the area of PRS 16-021(c). In particular, the effects that contaminants may be having, or may have had, on biotic populations remains unmeasured. It is highly unlikely that any sensitive populations of organisms have been affected by operations or contamination from PRS 16-021(c), as there is no history of sensitive populations being confined to the 260 outfall site or Cañon de Valle. Localized effects, as mentioned previously, have an impact on the successive processes of plant invasion and subsequent animal invasion of the contaminated site (the 260 outfall), but are dependent on the scale and magnitude of transport for contaminated media and the biochemical fate of toxicants. These processes are not evident in Cañon de Valle and would require greater site-specific investigation.

Pathways of contaminant conferment to biotic receptors are summarized in Section 6.3.1.3.

6.3.1.3 PRS Aggregation for Ecological Evaluation

Upgradient (west) of 16-021(c) are two large PRSs: 16-020 (the "silver outfall" from photo-processing operations) and 16-029(k) (Building 93 and the 90's Line outfall). Both of these PRSs could have contributed to the contaminant loading in Cañon de Valle, upstream of the reach where the 260 outfall intersects the canyon bottom. Immediately upstream of the 260 outfall site is PRS 16-019 (MDA-R). Materials were burned on the mesa top and pushed over into the canyon at the MDA-R location. MDA-R is now inactive; however, there are visible signs of significant erosion from the surface of MDA-R into Cañon de Valle. Some debris from MDA-R is exposed on the surface of fill that comprises a section of the north-facing slope of Cañon de Valle. MDA-P is located downgradient from 16-021(c). MDA-P (PRS 16-018) appears to have effects on the landscape that are entirely independent of the 260 outfall (16-021[c]). MDA-P is currently undergoing RCRA clean-closure operations.

Clearly, PRS 16-020, PRS 16-029(k), and MDA-R should be considered in aggregation with PRS 16-021(c) for the purpose of evaluating ecological risk in the perennial stream reach and the aquatic environs of Cañon de Valle. These sites should also be considered when evaluating ecological risk with respect to any of the other areas potentially affected by the 260 outfall operations (Peter Seep, Burning Ground Spring, SWSC Spring, Fish Ladder Seep, and Martin Spring). (There is evidence, from tracer release studies done on the spring system, that contaminants from 16-021[c] may reach springs and seeps in the area of the PRS. The degree to which this pathway exposes biotic receptors to toxicants is not known.) Without clear delineation of the relative contribution of each of the aforementioned PRSs and MDA-R, the impact on the biotic system of Cañon de Valle that is specifically attributable to 260 outfall operations and PRS 16-021(c) contamination cannot be fully evaluated.

For the purpose of the ecological screening assessment, data that were derived from the stream reaches of Cañon de Valle (sediment and water analyte concentrations), as well as data taken from springs and seeps, cannot produce results that can be considered wholly or directly attributable to the 260 outfall. Thus, the screening assessment for all sediment and water data from the stream reaches of Cañon de Valle and the associated springs and seeps, can only be regarded as preliminary with respect to the PRS aggregate that includes 16-021(c), 16-020, 16-029(k), MDA-P, and/or MDA-R.

6.3.1.4 COPC Identification

The COPCs identified in Sections 2 through 4 of this report are evaluated in the ecological screening assessment (Section 6.3.2) for consideration as COPECs. Uncertainties and interpretation of COPEC identification are discussed in Sections 6.3.3 and 6.3.4. Sampling in the 260 outfall proper as well as the reaches of Cañon de Valle appears to have addressed all potential concerns regarding contaminants that may have ecological effects. The data gathered for characterizing PRS 16-021(c) and Cañon de Valle (reviewed in Sections 2 through 4 of this report) adequately identify COPCs for the purpose of an ecological screening assessment. Some of the process knowledge that implicates specific COPCs as those that may have been discharged into the 260 outfall and Cañon de Valle is iterated below.

While in operation, the 260 outfall provided a relatively continuous flow of water, from 2–10 million gal. per year. This water ultimately discharged into Cañon de Valle, and it was potentially contaminated with HE particulates, barium, dissolved metals, and organic constituents. There is no process knowledge to indicate a discharge of polychlorinated biphenyls (PCBs) or pesticides in the 260 outfall. There are several springs in the vicinity of the 260 outfall that may have been, or may still be, influenced by contamination in the surface and subsurface media (including water). These include Peter Seep, Burning Ground Spring, and SWSC Spring in Cañon de Valle; Fish Ladder Seep in a hanging canyon to the southeast of the 260 outfall; and Martin Spring, in the next hanging canyon further than Fish Ladder Seep, to the southeast of the 260 outfall.

Data specific to PRS 16-021(c) were gathered from the area of the PRS that pooled water during the time that the 260 outfall was active. This area acted as a catchment for soils within the PRS. It is likely to be the place where maximum contaminant concentrations would be found on the PRS, or elsewhere, due to the nature of contaminant release. Additionally, data were gathered for waterborne contamination from the aforementioned springs and seeps as well as the Cañon de Valle perennial stream reach. In addition, sediment data were gathered in areas of sediment accumulation, in the reaches downstream of the confluence of the 260 outfall with the perennial reach of Cañon de Valle. Water and sediment data are adequate for performing a screening assessment for PRS 16-021(c); however, without clearly characterizing the relative contribution of the PRSs upstream of PRS 16-021(c) and MDA-R, they may only be viewed as partially representative of the Cañon de Valle ecosystem.

6.3.1.5 Ecological Pathways Conceptual Exposure Model

The EPCEM is presented in Figure D-3.1-1 of Appendix D, as part of the ecological scoping checklist. The EPCEM follows from the site conceptual model (Section 5.1) and is a detailed treatment of the potential pathways through which contaminants may reach ecological receptors. This model clearly indicates those pathways identified for exposure of ecological receptors to contaminants. Soil- and water-borne pathways are of primary concern when considering how contaminants from PRS 16-021(c) could reach ecological receptors.

The pathways analysis for the EPCEM includes the influence of contamination that PRS 16-021(c) has on the terrestrial flora and fauna of Cañon de Valle, as well as potential effects on aquatic flora and fauna of Cañon de Valle and environs. The contaminated media considered were surface soil (including sediment) of the 260 outfall, surface water and channel sediments of Cañon de Valle, alluvial water (including Peter and Fish Ladder Seeps), and emergent groundwater (Burning Ground, SWSC, and Martin Springs). Deep groundwater and deep (alluvial and borehole) sediment and tuff media are not considered to possess the same magnitude of ecological relevance for the area as the aforementioned media. Therefore, these

media were not considered relevant to the EPCEM and were not considered subsequently in the ecological screening process.

For ecological screening, media that were heretofore considered to be sediments in the 260 outfall proper are now considered to be surface soils. The simple reason for this consideration is that these sediments are gathered, in place, from erosion of local soils mixed with contaminants from the 260 outfall operations. These sediments are biotically available as soils for the invasive processes of terrestrial biota but are not available as permanent or intermittent substrates for the aquatic biota as found in the environs of Cañon de Valle. Additionally, mechanisms of stream transport of sediments, as found in the stream reaches of Cañon de Valle, are not part of the natural hydrologic profile of the 260 outfall proper, nor are they part of the existing anthropogenic practices of the 260 outfall. Thus, for the ecological processes of the 260 outfall proper, the allocthonous material is considered surface soil, while any ecological consideration of sediments is confined to the stream reaches of Cañon de Valle.

6.3.1.6 Potential Persistent Bioaccumulators and Biomagnifiers

The list of potential persistent bioaccumulators (PPBs) and biomagnifiers that are generic to the Laboratory is presented in Table D-3.1-1 of Appendix D, as part of the ecological scoping checklist. Currently, COPCs that are on the NMED list of PPBs should be called out, as found below, but are subject to the same criteria in the ecological screening assessment as other COPCs; i.e. PPBs are considered with respect to toxicity-based criteria. Currently, there are no guidelines for differentiating PPBs from other COPCs, or limits on environmental concentrations thereof, for specific environmental media. PPBs may be available to both terrestrial and aquatic receptors, depending on an organism's behavioral habits. Consequently, any uncertainty or concerns regarding the biotic fate of PPBs will follow, in Sections 6.3.3 and 6.3.4.

Organic PPBs found in surface soil on PRS 16-021(c) were bis(2-ethylhexyl)phthalate, anthracene, phenanthrene, and pyrene. Organic PPBs found in channel sediments of Cañon de Valle included bis(2-ethylhexyl)phthalate, fluoranthene, and pyrene. A single organic PPB (bis[2-ethylhexyl]phthalate) was detected in three surface (channel) water samples at three locations in Cañon de Valle. No organic PPBs were detected in any alluvial waters (including seeps) or any springs/seeps listed above.

Inorganic PPBs found above background in surface soil included cadmium, copper, lead, and nickel. Mercury and selenium were detected in the 260 outfall surface soils and carried into the screening assessment as COPCs because of their detections in other media. The maximum concentrations reported in soil were below LANL soil background UTLs. Additionally, mercury was detected as a total concentration and not in its methylated state, which is the form most readily bioavailable; thus, mercury is not considered a concern as a bioaccumulator for the 260 outfall surface soils. Selenium is a micronutrient for biotic systems. Since the maximum reported concentration of selenium in soil fell below the LANL background UTL, selenium is not considered further as a PPB for 260 outfall surface soils. Inorganic PPBs found above background in channel sediments of Cañon de Valle included cadmium, copper, lead, mercury, nickel, and selenium. Aluminum and lead were both detected above background in alluvial water samples. Lead and nickel were both detected above background in surface waters of Cañon de Valle. Only aluminum was detected above background in any of the three springs.

No radiological PPBs were reported for surface soil on PRS 16-021(c). Cesium-137 was reported from channel sediments of Cañon de Valle. In surface waters of Cañon de Valle, detected radiological PPBs

included uranium-234 and -238. No radiological PPBs were reported for alluvial water or the springs in the vicinity of PRS 16-021(c).

6.3.2 Screening Assessment

Receptors for the ecological screening assessment were chosen to be broadly representative of organisms found in a functional food chain in the greater Los Alamos area. Nine terrestrial receptors have been chosen for ecological screening purposes at LANL; however, there are currently no aquatic ecological receptors identified for screening. The nine terrestrial receptors include a "generic" plant, a soil-dwelling invertebrate (an earthworm), an American robin (avian invertebrate eater), an American kestrel (avian invertebrate/flesh eater), a peregrine falcon (the American kestrel with a 100% flesh diet as a surrogate), a deer mouse (mammalian omnivore), a vagrant shrew (mammalian invertebrate eater), a desert cottontail (mammalian herbivore), and a gray fox (mammalian flesh eater).

For the purpose of ecological screening, the media considered were broadly categorized as soil, sediment (aquatic or "channel" sediment), and water. Those media considered for ecological screening were assumed to be readily available for dietary or respiratory uptake by ali wildlife (including plants).

A screening assessment for the evaluation of HQs and HIs was performed using the methods outlined in Kelly et al. (1998, 57916). The purpose of the HQ/HI analysis is to identify COPECs, not to calculate ecological risk. The HQ/HI analysis is used as an indicator of potential risk, and this analysis is intended to be conservative to minimize the chance of missing an analyte that potentially poses ecological risk. An HQ can be thought of as the ratio of the measured exposure dose received by a receptor (contaminant levels at a site [e.g., a PRS]), to a dose that has been determined to be acceptable based on toxicity studies (the ecological screening level [ESL] for a specific receptor). An HI is calculated as the sum of HQs, across contaminants with like effects (e.g., nonradiological or radiological), for each screening receptor. The screening assessment HQ/HI uses the maximum concentration for each analyte identified as a COPC. Thus, HQs and HIs are toxicologically based scores intended to indicate the potential for receptor-specific risk due to exposure to toxicants or radiological constituents. An HQ or HI greater than 1 is considered an indicator of potential adverse impacts to ecological receptors. The chemical constituents resulting in an HQ greater than 1 are identified as COPECs. For an HI greater than 1, chemical constituents that contribute more than 0.1 to the total are also identified as COPECs.

For each chemical constituent, an ecological receptor (e.g., a plant, a mouse, or a kestrel), will score HQs and HIs differently, since toxicants may affect every species of consideration differently. Measured effects for any constituent may be reproductivity, morbidity, or mortality based. For any given receptor, the toxicological effects conferred by nonradiological chemical constituents are considered to be similar and additive, so that those derived from inorganic or organic constituents are summed into the HI. The HI is calculated separately for radiological constituents versus nonradiological constituents, since the effects are based on radiological dose, not toxicological dose. Radiological dose effects are also considered to be additive, so the HI is a sum across all radiological constituents.

ESLs for wildlife are determined, in general, on the basis of toxicological studies to determine the maximum dietary exposure to a contaminant that confers no observed adverse effect (for details, see Kelly et al. 1998, 57916). For different receptors, this critical dietary exposure level may vary greatly due to population-based variations in individual weight, diet, reproductive status and phenology. In the case of terrestrial organisms, ESLs have been developed to reflect no adverse effect on an "average," non-gravid, adult individual of a particular species (EPA 1993, 59384, Chapter 1, p. 7). ESLs are designed,

therefore, to be protective of populations of specific organisms, but are in no way intended to be predictive of risk.

Aquatic "threshold" values for sediments and water, deemed protective of aquatic receptors (benthos and free-water column dwellers), have been used herein for the calculation of respective HQs and HIs. Thresholds were taken from the EPA Ecotox Thresholds (1996, 59383) for surface and fresh water, and from the Ontario Ministry of Environment and Energy (1993, 59112) for aquatic sediments. Thresholds were developed to be protective of wildlife on the basis of toxicity studies identified to address the survival, growth, and reproductive status of test organisms. EPA and Ontario set most of their thresholds in terms of a "lowest observed adverse effect level," which is defined as "media-specific contaminant concentrations above which there is sufficient concern regarding adverse ecological effects to warrant further site investigation" (EPA 1996, 59383, p. 2), or "a level of sediment contamination that can be tolerated by the majority of benthic organisms" (Ontario Ministry of Environment and Energy 1993, 59112). In the rare cases that Ontario has defined a "no effect level," they have defined this as a level "at which no toxic effects have been observed on aquatic organisms ... a level at which no biomagnification through the food chain is expected." Thresholds were not generally developed to address issues of bioaccumulation or biomagnification and cannot be construed in that context unless specifically stated. Wherever available, sediment and water HQs were calculated using these threshold values as the ESL.

All threshold values for water were derived (by EPA) on the basis of the level of a chemical constituent dissolved in water. What is *dissolved* stands in contrast to what one might find *suspended* in water. Dissolved concentrations are measured on the basis of filtered preparation of a water sample, whereas the suspended (unfiltered or total) concentration is measured from an unfiltered water sample. Filtered preparation more directly measures the portion of a constituent that would be biotically available in the water column to benthic organisms (EPA 1996, 59383, p. 4). Additionally, the greatest threat posed by sediment toxicants to benthic organisms is from direct contact with the sediments in the streambed (Ontario Ministry of Environment and Energy 1993, 59112). Since Cañon de Valle is not a fishery, and since both water and sediment data have been independently collected, only filtered (dissolved) concentrations of chemical constituents are considered for water data in the ecological screening process.

By making the distinction between using filtered and unfiltered water data, one additionally avoids the following pitfalls:

- differing methods of laboratory digests on unfiltered water will likely result in vastly different reported concentrations of chemical constituents;
- unfiltered samples will return vastly different quantities of suspended constituents depending on variations in flow due to meteorological events;
- stream organisms possess a number of behavioral characteristics that allow them to avoid peak events of stream flow, thus conferring avoidance of peak suspended loads;
- baseline suspended loads of contamination are highly site-specific and the toxicological pathways through which suspended contaminants reach aquatic receptors are poorly understood and quantified; and

- thresholds for suspended concentrations of chemical constituents in water are not readily available.

By not considering concentrations of constituents suspended in water, there are some drawbacks that should be mentioned, as they raise the level of uncertainty in the screening assessment and call for some level of conservatism. This issue will be addressed, in a qualitative manner, in the uncertainty analysis of Section 6.3.3. In the meantime, the bases for ecological screening for aquatic receptors, as outlined above, are considered complete enough to adequately screen for waterborne contamination in Cañon de Valle using only filtered data.

Radiological constituents were compared, when possible, with radiological ESLs developed for soil, using methods put forth in Kelly et al. (1998, 57916). There were no ESL or threshold values available from the aforementioned sources for the evaluation of radiological constituents in water.

All ESLs and thresholds used herein are currently unpublished and are not NMED-approved; however, publication of these values is forthcoming in a toxicological database being developed by the LANL ER Ecological Risk Team (Newell et al. 1998, 59188). Sources and documentation for the many diverse references used to calculate the ESL and threshold values used here will necessarily be deferred to this unpublished document.

For consideration of all terrestrial receptors simultaneously, one can view the minimum ESL for any single chemical constituent as conferring the greatest level of protection for all receptors. Then, the HQ for the minimum ESL across receptors, i.e. the maximum HQ across all receptors for a single chemical constituent, may be considered the most conservative assessment of relative risk for all receptors. As a conservative device, maximum HQs for each chemical constituent (COPC) may be summed across all terrestrial or aquatic (but not both), to arrive at a "minimum ESL HI" or HIVAR for all chemicals of potential concern (COPCs). The HIVAR represents the total hazard posed to a hypothetical composite receptor, as a result of exposure to environmental contaminants. The HIVAR confers the maximum level of protection to all receptors, even though it is for an amalgam of organisms. Indeed, the HIVAR is likely to greatly exceed the maximum HI for all receptors, and it can never be less than the HI for any single receptor (see Appendix D, Section D-3.2). When viewed in this context, and when considered in the same vein as a HI for any single organism, the HIVAR allows one to afford maximum protection to all terrestrial screening receptors, while applying the rules for screening risk assessment for the identification of COPECs. Since the threshold values for aquatic sediment and water concentrations are not specific for a single receptor, the HI evaluated for those media are similar to a HIVAR. For details of the HQ, HI, and HIVAR calculations, please see Appendix D, Section D-3.2.

Table D-3.2-1 summarizes the HQ and HI calculations for 260 outfall soils, for each of the nine terrestrial receptors. Table D-3.2-2 summarizes the HIVAR calculations 260 outfall soils, for the terrestrial receptors. Also found in these tables are the minimum ESL or threshold values and the receptor to which the minimum ESL applies. Summaries for the maximum concentrations, the locations of COPCs in various media, and other relevant information are found in Tables D-3.2-3 through D-3.2-19.

Inspection of Table D-3.2-3 shows that a number of inorganic constituents were detected in the surface soil of the 260 outfall at maximum levels that confer a HQ >1; these include arsenic, barium, chromium, lead, manganese, nickel, selenium, silver, uranium, vanadium, and zinc. The HIVAR for inorganic constituents in 260 outfall soil is equal to 916, with the bulk of the contribution to that index being derived from barium (HQ = 830), manganese (HQ = 19) and vanadium (HQ = 29). Mercury and selenium were

detected at maximum values that are below background UTL and are not, therefore, carried forward from the screening analysis as COPECs. Of the remaining constituents for surface soils, those that contribute ≥0.1 to the calculation of the HIVAR are retained as COPECs, including arsenic, cadmium, chromium, cobalt, copper, lead, manganese, nickel, silver, uranium, vanadium, and zinc. Cyanide is not retained as a COPEC for 260 outfall soils, as it scored a HQ < 0.01.

High explosives (HE) found in surface soil are listed in Table D-3.2-4. The HIVAR for HE was calculated as 191 730. The major contributors to such a high HI are HMX (HQ = 129,976), RDX (HQ = 22,718), and trinitrotoluene[2,4,6-] (HQ = 38,971). HMX, RDX, and trinitrotoluene[2,4,6-] are retained as COPECs along with amino-2-6-dinitrotoluene[4-], amino-4-6-dinitrotoluene[2-], dinitrotoluene[2,4-], and dinitrotoluene[2,6-], which all scored a HQ ≥ 0.1. Dinitrobenzene[1,3], nitrotoluene[3-], nitrotoluene[4-], and trinitrobenzene[1,3,5-] are all retained as COPECs as they have no associated ESL values. Only nitrobenzene is screened out as a COPEC, as it scored a HQ of < 0.1.

Semivolatile constituents (SVOCs) found in surface soil of the 260 outfall are listed in Table D-3.2-5. The HIVAR for SVOCs and VOCs combined was calculated as 18,984. The vast majority of the HI (over 99.9 percent) is attributed to bis(2-ethylhexyl)phthalate, with a HQ = 18,979. This latter constituent is retained as a COPEC along with anthracene and phenanthrene, each of which scored a HQ >0.1. Dichlorobenzene[1,2-], hexachlorocyclopentadiene, nitrosodimethylamine[N-], and nitrosodiphenylamine[N-] are also retained as COPECs as they have no associated ESL values. Dinitrotoluene[2,4-] and dinitrotoluene[2,6-] were also analyzed with SVOCs, however, they were found as COPECs under HE and are, therefore, no longer considered with SVOCs. Benzoic acid and pyrene are not retained as COPECs, as they each scored a HQ < 0.1.

Volatile constituents (VOCs) found in surface soil are also listed in Table D-3.2-5. There is no reason, given process knowledge, that VOCs should be found in large quantity on PRS 16-021(c). Indeed, the HIVAR for VOCs in surface soil is 0.04. The following VOCs are dropped as COPECs due to their HQ being <0.1: acetone, benzene, toluene, and trichloroethane[1,1,1-]. There are, however, no ESLs developed for butylbenzene[sec-], isopropyltouene[4-], and trimethylbenzene[1,2,4], all of which are retained, therefore, as COPECs. Dichlorobenzene[1,2-] was also analyzed with VOCs, however, it was found as COPECs under SVOCs and is, therefore, no longer considered with VOCs.

The HI calculated for inorganic constituents in Cañon de Valle channel sediments was 91 (Table D-3.2-6). The bulk of this index was derived from total cyanide (HQ = 19), nickel (HQ = 19), and silver (HQ = 30). These constituents are retained as COPECs for channel sediments along with arsenic, cadmium, chromium, cobalt, copper, iron, lead, manganese, and mercury. Other constituents retained as COPECs, due to a lack of an appropriate threshold, include aluminum, antimony, barium, selenium, thallium, vanadium, and zinc.

HE constituents found in Cañon de Valle sediments were amino-2,6-dinitrotoluene[4-], amino-4,6-dinitrotoluene[4-], HMX, nitrobenzene, nitrotoluene[3-], RDX, trinitrobenzene[1,3,5-], and trinitrotoluene[2,4,6-] which are retained as a COPECs since there are no appropriate thresholds (Table D-3.2-7).

SVOCs and VOCs found in Cañon de Valle channel sediments are listed in Table D-3.2-8. Few of the constituents listed have appropriate threshold values for calculation of a HQ. Fluoranthene and pyrene have appropriate thresholds and both scored low HQ values (0.08 and 0.11, respectively); they are therefore dropped as COPECs for Cañon de Valle channel sediments. Semivolatiles and volatiles

retained as COPECs include acetone, benzoic acid, benzyl alcohol, bis(2-ethylhexyl)phthalate, dichlorodifluoromethane, diethylphthalate, di-n-butylphthalate, isopropyl-toluene[4-], phenol, trichloro-1,2,2-trifluoroethane[1,1,2-], and trichlorofluoromethane.

The only radiological constituent found greater than background in Cañon de Valle sediments was Cesium-137 (Table D-3.2-9). The methodology of Kelly et al. (1998, 57916) calls for the use of ESLs for soil to be applied to sediments when calculating a HQ based on external dose. On this basis, Cesium-137 has a HQ = 0.03, and is therefore dismissed as a COPEC for Cañon de Valle channel sediments.

Inorganic constituents found in surface waters of Cañon de Valle are listed in Table D-3.2-10. The HI for surface water inorganics was 1230, with the majority of this calculation attributable to barium (HQ = 1205). COPECs identified by their HQ >0.1 are barium, lead, manganese, nickel, vanadium, and zinc. Antimony is retained due to the lack of an appropriate threshold value. Chromium (total) and mercury are not retained as COPECs since their HQ was less than 1. Both chromium and mercury are unlikely to be found in surface waters that are well oxygenated in their most bioavailable forms (chromium-VI and methylated mercury). The following constituents were not retained as COPECs as they are highly soluble and considered essential nutrients in aquatic systems: calcium, magnesium, potassium, and sodium.

There are no appropriate thresholds for HE in water. Therefore, all of the detected HE constituents listed in Table D-3.2-11 are retained as COPECs for Cañon de Valle surface water (amino-2,6-dinitrotoluene[4-], HMX, RDX, and trinitrotoluene[2,4,6-]). Several HE constituents were not detected in the filtered fraction of Cañon de Valle surface water; these include amino-4,6-dinitrotoluene[2-], dinitrotoluene[2,4-], nitrotoluene[2-], and trinitrobenzene[1,3,5-]. These latter constituents will not be retained as COPECs as they are highly unlikely to be bioavailable in the free water column.

SVOCs and VOCs (Table D-3.2-12) retained as COPECs in Cañon de Valle surface water include acetone, chlorophenol[2-], dichloroethane[1,2-], dinitro-2-methylphenol[4,6-], dinitrotoluene[2,6-], di-n-octylphthalate, and methylene chloride. Bis(2-ethylhexyl)phthalate has a HQ = 0.41 and is therefore dismissed as a COPEC for Cañon de Valle surface water. (Although bis(2-ethylhexyl)phthalate is found in high concentration on the 260 outfall, the result for surface water coincides with solubility information that indicates that it has a low solubility (about 1 mg/l, maximum) in fresh water).

For radiological constituents in water, only an external dose ESL can be calculated, based on available information (Kelly et al. 1988, 57916). The external dose pathway does not appear to be adequate for considering dose to aquatic receptors from either dissolved or suspended radiological constituents. There were no radiological constituents detected in the dissolved (filtered) fraction of Cañon de Valle surface water samples; however, uranium-234 and –238 were detected in the unfiltered water samples from Cañon de Valle. Therefore, uranium-234 and –238 are retained as COPECs for the surface waters of Canon de Valle. Table D-3.2-13 reports both dissolved (filtered) and suspended (unfiltered) concentrations of uranium-234 and uranium-238.

Alluvial water showed elevated levels of barium (HQ = 3077) and lead (HQ = 1.2) (Table D-3.2-14). Vanadium is also retained as a COPEC, as it scored a HQ >0.1. Calcium, magnesium, potassium, and sodium are highly soluble and considered essential nutrients in aquatic systems, and are not retained as COPECs for alluvial water.

All HE (Table D-3.2-15), as well as other detected organics (Table D-3.2-16) detected in alluvial water, are retained as COPECs as there are no appropriate thresholds for calculation of HQs. As Table D-3.2-16 shows, no SVOCs were reported as detected in alluvial waters.

Water issuing from springs must be considered available for surface terrestrial and aquatic ecological receptors. HQs were calculated for spring waters (Burning Ground, SWSC, and Martin Springs) using the EPA Ecotox Thresholds (1996, 59383). Table D-3.2-17 shows that only barium, iron, and manganese had appropriate thresholds for calculation of HQs. Of these, barium and manganese are retained as COPECs. Iron, as well as calcium, magnesium, nitrogen (nitrate), phosphorus (phosphate), and sodium are considered naturally occurring nutrients for aquatic systems and are not retained as COPECs, as they did not occur in high concentration. Also occurring in relatively low concentration are bicarbonate and silicon dioxide, both of which are expected in naturally occurring spring water; bicarbonate and silicon dioxide will not be retained as COPECs. Sulfate is naturally occurring in regional springs due to volcanism, and is likely found in naturally high concentrations, so it will not be retained as a COPEC. Aluminum occurs in naturally high concentrations in soil and tuff on Laboratory grounds. Concentrations of aluminum in alluvial water, groundwater, and spring water are not likely to have been influenced by Laboratory operations, and are, therefore, considered to be naturally occurring. Thus, aluminum is not retained as a COPEC for alluvial water. Remaining constituents that will be retained as COPECs for spring water include boron, chloride, fluoride, strontium, and titanium, as there are no appropriate threshold values for these constituents.

HE constituents detected in spring waters are summarized in Table D-3.2-18. Detected HE includes amino-2,6-dinitrotoluene[4-], amino-4,6-dinitrotoluene[2-], dinitrotoluene[2,4-], HMX, nitrotoluene[3-], RDX, and trinitrobenzene[1,3,5-]. All of these constituents must be considered COPECs for spring waters, as there are no appropriate threshold values available for these constituents. Several HE constituents were not detected in the filtered fraction of spring waters; these include dinitrobenzene[1,3], tetryl, and trinitrotoluene[2,4,6-]. These latter constituents will not be retained as COPECs as they are highly unlikely to be bioavailable in the free-water column.

There were no detected organics detected in the filtered fraction of spring waters (summarized in Table D-3.2-19). These constituents will not be retained as COPECs as they are highly unlikely to be bioavailable in the free-water column.

6.3.3 Uncertainty Analysis

Regardless of any level of rigor to which quality control mechanisms are applied for the planning, sampling, and analysis processes, there is inevitable and inherent uncertainty associated with any environmental site characterization. Potential sources of uncertainty are pervasive for three general categories of activity: planning and field sampling, chemical analysis, and screening assessment. These sources of uncertainty are discussed below. An additional category of uncertainty pertains to specific data uncertainties that arise during analysis. These latter uncertainties will be discussed last in this section.

Uncertainty in RFI Planning and Field Sampling

The intent of the PRS 16-012(c) sampling plan was to identify locations at which maximally impacted media samples would be obtained. Data evaluation appears to indicate that maximum soil concentrations are associated with 260 outfall samples, supporting the assumption that maximum values were obtained. However, one can never be certain that the sampling is completely representative of the site undergoing investigation. Failure to collect samples at the most contaminated locations could result in an

underestimate of risk; collecting samples at only the most contaminated locations results in an overestimate of risk.

A particular aspect of this investigation that raises a great deal of uncertainty concerning the origin and release patterns of contaminants is the relationship of 260 outfall operations to other operations that may have influenced the contaminant loading in Cañon de Valle. When considering contaminants in media below the 260 outfall (in Cañon de Valle) and in the associated springs and seeps, one cannot eliminate the consideration of contaminants having arisen from sources other than the 260 outfall. These include other PRSs and non-point-specific sources (e.g., roads). Such releases would add to the observed contaminant concentrations, resulting in an overestimate of the risk associated with releases from site operations.

Uncertainty in Laboratory Chemical Analyses

Differences in laboratory performance of the analytical laboratories involved in sample analysis add to the overall uncertainties of sample evaluation and subsequent risk evaluation. Detection limit differences from one sampling campaign to the next also cause some uncertainty. For example, there are differences in the detection uncertainties regarding spring/seep data versus surface water data, or Cañon de Valle sediment data versus 260 outfall soil/sediment data. Additionally, samples on the same media across time may yield widely varying results.

Another source of laboratory analysis uncertainty results when analyte recoveries vary from laboratory to laboratory and from day to day within a laboratory. Analytic sample recoveries are monitored through use of surrogate and internal standard compounds for comparative purposes, and through matrix spike and matrix spike duplicate samples. If recoveries do not fall within acceptance limits, the data are generally qualified to indicate that condition (e.g., biased high or low, or considered an unreliable result). However, the difference between the lower acceptance and upper acceptance limits can be on the order of 50% of the range of results. The result of laboratory analysis uncertainty is the potential for over- or underestimation of calculated risk

Sample heterogeneity can cause similar effects to laboratory analysis uncertainty. Heterogeneity in a sample matrix is normal for most environmental samples and, for soils, is typically expected to range from 0% relative percent difference (RPD) to 35% RPD. However, failure of the laboratory to adequately homogenize a sample prior to analysis can yield RPD values greater than 35%. Random uncertainties associated with recovery from multiple samples from an identical matrix should average out to approximately zero, given an appropriate number of samples. However, systematic biases that may result from matrix interferences, may still result. Again, the net result of sample heterogeneity in laboratory analyses is the potential for over- or underestimation of risk.

Uncertainty in the Screening Assessment

Maximum reported values of COPCs were used from isolated spots from across the aggregate. Projection of the maximum reported values across the exposure area results in the overestimation of site contamination. Particularly under circumstances where contamination is highly punctuated in the environment, using sample maxima for evaluation of risk probably results in a large overestimation of risk, posed by contaminants, to ecological receptors.

No assessment of COPC speciation or chemical form occurred in the RFI. This is largely a matter of limitations on analytic quantitation of individual chemical species. Toxicological data are typically based on the most toxic and bioavailable chemical species, which is not likely found in the environment. Many inorganic and organic constituents are not bioavailable in the natural environment due to the adsorption of chemical constituents to matrix surfaces (e.g., soils and sediments), or rapid oxidation or reduction changes that render harmful chemical forms unavailable to biotic processes. This uncertainty may result in overerestimation of risk.

Receptor-specific data for ecological risk assessment is often lacking and necessitates the extrapolation of species-specific toxicological effect data from laboratory animals to wild receptors. Studies are often limited to consideration of single chemicals in isolation, with single pathway exposure. Additionally, laboratory-controlled toxicological studies are performed on individuals isolated in artificial populations. Wild organisms are concomitantly exposed to all risk-drivers at once, increasing the potential for synergistic and antagonistic physiological effects. Also, wild populations are considered to be more genetically diverse than laboratory animals, making wild populations, as a whole, potentially less sensitive to chemical exposure. However, uncertainty in these differences may result in overestimation of risk.

Lastly, models used to derive ESLs assume maximum chemical bioavailability, maximum receptor ingestion rates, minimum receptor body weight, 100% home range exposure, and additive effects of multiple COPCs. All of these factors, with the exception of the last, result in the derivation of conservative estimates of ESLs and may lead to an overestimation of risk. Additive effects of multiple COPCs may result in an over- or underestimation of multiple COPC risk.

Specific Data Uncertainties

Maximum concentrations for constituents were likely captured for surface soil media on PRS 16-021(c), as the sampling was biased to areas of suspected greatest contamination. Additionally, sediment and water (including spring) samples were taken in areas of Cañon de Valle that were most likely to have received contaminants transported from the 260 outfall. For the purposes of screening assessment, the data adequately characterize contamination in the area of the 260 outfall. However, since data collection was not aimed at differentiating between various contaminant sources in Cañon de Valle, it remains unclear what the relative contributions of contamination may have been from various PRSs, including MDA-R (see Section 6.3.1.3).

There is little uncertainty when considering barium to be a COPEC for all surface soil, channel sediments, surface waters, alluvial waters, and spring waters. Nearly ubiquitous in the screening analyses were lead, manganese, and vanadium, although with quite variable sample results. Lead can be a part of HE production and is of particular concern as a COPEC as it is a known toxicant and bioaccumulator for many organisms. Naturally occurring background concentrations of manganese and vanadium make it unclear how reliable results are for these constituents. These constituents may not be dismissed as COPECs for any medium. Antimony was not detected in any of the media, given the detection limits for analytical methods employed. However, the detection limits were too far above background values for antimony to be dismissed as a COPEC.

Surface soils contained many commonly detected inorganic constituents including chromium, cobalt, copper, nickel, silver, uranium, and zinc. There were a number of inorganic constituents that were also detected frequently in sediments. These included copper, cobalt , lead, mercury, selenium, silver, thallium, vanadium, and zinc. From both soil and sediment, copper and mercury are of greatest biotic

concern due to the issue of potential bioaccumulation. In water and sediments, some inorganic components appeared rarely as detected constituents. These constituents included arsenic, and total cyanide, with arsenic being more common in sediments. It is recommended that these latter constituents be dropped as COPECs for Cañon de Valle sediments, as the solubility of these constituents appears to be low, and they are not detected above background concentrations in water. Cyanide and arsenic do not represent a major contaminant threat to the biota of Cañon de Valle.

The prevalence of detected HE in all media makes it clear that the scale of influence that these constituents have on the environs of Cañon de Valle and the 260 outfall area is greater than simply PRS (16-021[c]). The level of concentration variability in HE constituents within various media makes it unclear as to the level of negative influence that these constituents have on the biota that come in contact with them. All HE in all media must remain COPECs until there are adequate methods for assessing their influence in the natural environment.

Nearly all organic constituents were found rarely in all media with the exception of phthalates (bis[2-ethylhexyl]phthalate, diethylphthalate, and di-n-butylphthalate). Process knowledge of the use of SVOCs and VOCs do not indicate the release of these contaminants on a wide-spread basis in the area of the 260 outfall. Additionally, a number of organic constituents occur at very low frequency (1 observation from several samples) and only slightly above minimum detection limits (MDL). There is an increasingly greater probability of false positive detection of any constituent, given more and more samples, even if the constituent is not present. Given these rationale, the following organic constituents screened as COPECs in the HQ/HI analysis, meeting the criteria just mentioned, are recommended to be dropped as SVOC and VOC COPECs from the respective media:

- Surface soil: butylbenzene[sec-] (1 in 13 samples as VOC), dichlorobenzene[1,2-] (1 in 13 samples as VOC and 1 in 46 samples as HE), hexachloropentadiene (1 in 46 samples as VOC), nitrosophenylamine[N-] (1 in 46 samples as SVOC), nitrotoluene[3-] (1 in 41 samples as HE), and nitrotoluene[4-] (1 in 41 samples as HE).

- Channel sediments: acetone (1 in 12 samples as VOC), benzyl alcohol (1 in 36 samples as SVOC), isopropyltoluene[4-] (1 in 12 samples as VOC), nitrobenzene (1 in 55 samples as HE), nitrotoluene[3-] (1 in 55 samples as HE), phenol (1 in 37 samples as SVOC), trichloro-1,2,2-trifluoroethane[1,1,2-] (1 in 12 samples), and trinitrobenzene (1 in 55 samples as HE).

- Surface water: chlorophenol[2-] (1 in 23 samples as SVOC), dinitro-2-methylphenol[4,6-] (1 in 23 samples as SVOC), dinitrotoluene[2,6-] (1 in 10 samples as SVOC, not detected as HE), Di-n-octylphthalate (1 in 23 samples as SVOC), acetone and methylene chloride (each 1 in 23 samples as VOCs), and nickel (1 in 14 samples).

As mentioned in Section 6.3.2, there are drawbacks to not considering constituents suspended in water. The primary drawback to ecological screening is the fact that the complete toxicant exposure to aquatic organisms cannot be considered (i.e., combined dissolved, suspended, and sediment-borne toxicant exposures). This increases the level of uncertainty obtained by the information derived from the screening analysis. However, the issue of considering the pathway of suspended contaminants and their effects on ecological receptors is highly complicated. Events that alter the flow in the surface water of Cañon de Valle would have to be monitored carefully and would require immediate assessment of suspended sediment loads and contaminant concentrations. This kind of process has very large uncertainties and the effects that may be conferred to aquatic biota are even more uncertain, depending

on variable organismal behavior, toxicant tolerances, and developmental stages. Consequently, in the absence of detailed information and analysis, the screening process is probably better served by considering only dissolved concentrations of contaminants and stream sediment data. These data provide a basic picture of relative levels of source (sediment) and transport (water) media concentrations, at least as a snapshot in time, and address both dissolved and sediment-borne toxicant exposures.

Based on the adequacy of the ecological pathways conceptual exposure model (EPCEM), the scoping evaluation, and the listing of bioaccumulators, there are no reasons to consider altering the list of COPECs further. The list of COPECs by media are found in Table 6.3-1.

Table 6.3-1

COPECs Retained from the Screening and Uncertainty Assessments, Listed by Medium

260 Outfall Soils (Including Sediments)		
Inorganics	*HE*	*Organics*
Antimony	Amino-2, 6-dinitrotoluene[4-]	Anthracene
Arsenic	Amino-4,6-dinitrotoluene[2-]	Bis(2-ethylhexyl)phthalate
Barium	Dinitrobenzene [1,3-]	Phenanthrene
Cadmium	Dinitrotoluene [2,4-]	Isopropyltoluene[4-]
Chromium, Total	Dinitrotoluene [2,6-]	
Cobalt	HMX	
Copper	RDX	
Lead	Trinitrobenzene [1,3,5-]	
Manganese	Trinitrotoluene[2,4,6-]	
Nickel		
Silver		
Uranium		
Vanadium		
Zinc		
Cañon de Valle Sediments		
Antimony	Amino-2,6-dinitrotoluene [4-]	Benzoic acid
Barium	Amino-4,6-dinitrotoluene [2-]	Bis(2-ethylhexyl) phthalate
Cadmium	HMX	Diethyl phthalate
Chromium, Total	RDX	Di-n-butyl phthalate
Cobalt	Trinitrotoluene [2,4,6-]	Dichlorodifluoromethane
Copper		Toluene
Iron		Trichlorofluoromethane
Lead		
Manganese		
Mercury		
Nickel		

Table 6.3-1 (continued)

Cañon de Valle Sediments (continued)		
Selenium		
Silver		
Thallium		
Uranium		
Vanadium		
Zinc		
Cañon de Valle Surface Water		
Inorganics	*HE*	*Organics*
Antimony	Amino-2,6-dinitrotoluene[4-]	Dichloroethane[1,2-]
Barium	HMX	
Lead	RDX	
Manganese	Trinitrotoluene[2,4,6]	
Vanadium		
Zinc		
Cañon de Valle Surface Water Radionuclides*		
Uranium-234	*Note: These constituents were only found in the unfiltered fraction of water samples. They were retained due to the inadequacy of data for their elimination as COPECs.	
Uranium-238		
Alluvial Water		
Barium	Amino-2,6-dinitrotoluene[4-]	Acetone
Lead	Amino-4,6-dinitrotoluene[2-]	Dichloroethene[cis-1,2-]
Vanadium	HMX	
	RDX	
	Trinitrotoluene [2,4,6-]	
Spring Water		
Boron	Amino-2,6-dinitrotoluene[4-]	none
Calcium	Amino-4,6-dinitrotoluene[2-]	
Chloride	Dinitrotoluene[2,4-]	
Fluoride	HMX	
Manganese	Nitrotoluene[3-]	
Strontium	RDX	
Titanium	Trinitrobenzene[1,3,5-]	

6.3.4 Recommendations

For ecological concerns, the nature of contaminated media on and beyond PRS 16-021(c) is provisional, given the various effects that changing ecological scale may confer. This scale of effect has a direct bearing on the conceptual exposure model (EPCEM). Certainly, the physical disturbance on-site

demarcates the most direct impact that operation of the 260 outfall and the associated build-up of contaminants has had in the area. On this local scale, concern over the impact to ecological receptors of operations and contamination should be considered at the highest level. However, once the scale of consideration has been broadened to include terrestrial and aquatic flora and fauna in the area of PRS 16-021(c) and, for example, the perennial stream reach of Cañon de Valle and the associated seeps and springs, then the impact to the flora and fauna becomes more vague. Again, if the scale of consideration is broadened to include the downstream reaches of Cañon de Valle, Fish Ladder Seep, and Martin Spring, the influence of PRS 16-021(c) on ecological receptors becomes even more ambiguous due to the contributions of other PRSs (16-020 and 16-029[k]) and MDAs (MDA R and MDA P). Thus, the EPCEM must be considered with respect to the scale at which one evaluates ecological effect, as well as potential remedy, for PRS 16-021(c). The only directly measurable effects of PRS 16-021(c) contamination on the flora and fauna of Cañon de Valle are found on the PRS proper. Other measured ecological/biotic effects are indirect and inferential and require a much deeper scope of investigation.

Constituents of greatest concern that fall out of the screening evaluation are barium, bis(2-ethylhexyl)phthalate, HMX, RDX, and trinitrotoluene[2,4,6-]. These constituents are consistently found in the highest concentrations in all media considered above, but particularly in surface soil. The fact that these constituents appear in concentrations in surface soil far above those for channel sediments in Cañon de Valle indicates that their movement from PRS 16-021(c) is not rapid. Information on the toxicity of the above constituents, for specific organisms, is summarized in Table 6.3-2. Information is included for human receptors, as there may be similar effects expected for ecological receptors.

Bis(2-ethylhexyl)phthalate is considered a potential persistent bioaccumulator and may have significant impacts on biotic systems. This constituent is found in such high concentrations in surface soil that it must be considered with acute concern for PRS 16-021(c) and the surrounding area, including the downgradient environs of Cañon de Valle. The low solubility of bis(2-ethylhexyl)phthalate has apparently limited its movement off of the 260 outfall site and into Cañon de Valle. Removal of the source area (the 260 outfall proper) will largely address the acute nature of this problem. Other bioaccumulators mentioned in Section 6.3.1.6 must also form a priority for addressing cleanup operations on PRS 16-021(c), only secondary in importance to those of barium, bis(2-ethylhexyl)phthalate, HMX, RDX, and trinitrotoluene[2,4,6-].

Future sampling, experimental, and monitoring efforts clearly need to address, with greater depth, the detailed hydrological pathways of contaminant transport as well as the relative contribution of PRSs and MDAs to the contaminant load of Cañon de Valle. Only with such efforts can there be a clear delineation of potential ecological effects on the biota of Cañon de Valle.

Table 6.3-2

Constituent Toxicity for Specific Organisms

Constituent	Toxicity Information
Barium (Ba)	Ba causes moderate acute and chronic toxicity to aquatic life, but there is insufficient data to evaluate effects on plants, birds, and land animals. Toxicity of Ba depends on solubility, thus its chemical speciation. The less soluble in water, the less toxic it is to receptors. Acute Ba exposure to humans via ingestion has caused difficulty in breathing, increased blood pressure, changes in heart rhythm, stomach irritation, brain swelling, muscle weakness, and damage to the liver, kidney, heart and spleen. Long term, low level Ba exposure to animals via ingestion has caused increased blood pressure and changes in the heart. No cancer studies have been done that are adequate to classify Ba as a carcinogen and Ba has not been tested for reproductive toxicity. (Newell et al. 1998, unpublished)
Bis(2-ethylhexyl)phthalate (DEHP)	Very high levels of DEHP given to animals via ingestion damaged sperm, but the damage reversed with cessation of exposure. Long exposures to high doses affect the ability of both males and females to reproduce and caused birth defects. High levels damage the livers and kidneys of rats and mice and long term exposure caused kidney damage in rats. High exposures also increase liver cancer in rats and mice. It is not taken up easily by the skin. Air exposure does not cause any serious harmful effects in rats and mice. DEHP has low acute and chronic toxicity to aquatic life, but there is insufficient information to evaluate effects to other organisms. Fish are expected to have much higher concentrations of DEHP than the water they are in. This is why DEHP is considered a bioaccumulator, although it is metabolized readily. (Newell et al. 1998, unpublished)
HMX	Ingestion or dermal absorption in rats and mice indicate damage to the liver and central nervous system. It is not know if HMX concentrates in the tissues of organisms. The reproductive toxicity and carcinogenicity of HMX are unknown. (Newell et al. 1998, unpublished)
RDX	RDX inhaled or ingested in large amounts can cause seizures (nervous system effect) in humans and animals. Rats and mice fed RDX for 3 or more months have decreased body weight and slight liver and kidney damage. RDX does not cause birth defects in rabbits, but does result in smaller offspring in rats. RDX fed to mice causes liver tumors. (Newell et al. 1998, unpublished)
Trinitrotoluene[2,4,6-]	Humans exposed to high levels of TNT in the air during the production of explosives experienced anemia and abnormal liver function. Humans with prolonged dermal exposure to TNT experience skin irritation and cataract development. Animals that ingest or inhale TNT experience adverse effects on the blood, liver, and immune system as well as spleen enlargement. Male animals treated with high doses of TNT develop serious reproductive system effects. Rats ingesting TNT for long-term study developed urinary bladder tumors. TNT may bioconcentrate to low levels in plants and fish. (Newell et al. 1998, unpublished)

7.0 CONCLUSIONS

The completed RFI has reached several conclusions regarding the physical site conceptual model of the 260 outfall investigation area and contaminants detected in the media sampled. Conclusions are based on the surface soil, subsurface soil, sediment, surface water, and groundwater samples collected for analytical laboratory analysis.

Extensive surface and subsurface soil data were collected and contamination in the source area of the 260 outfall is largely delineated. The 260 outfall source area is contaminated with HE species and barium. It is estimated that more than 2500 cubic yd of contaminated soil exists in the source area.

Elevated concentrations of HE and barium appear in surface waters and sediment in Cañon de Valle at the confluence of the 260 outfall drainage. Contamination decreases down canyon until the MDA-P area, then rises, then decreases to background at the Water Canyon confluence. Surface runoff, erosion, and spring flow contribute contaminants to the Cañon de Valle alluvial aquifer.

Quarterly sampling from the springs in the 260 outfall area indicate that all springs in Cañon de Valle are contaminated with HE and barium above background. The 260 outfall is a source of contamination to these springs based on results of the bromide tracer study.

The 260 outfall area is one of the most complex sites at the Laboratory in terms of hydraulic behavior and contaminant fate and transport. The saturated systems that feed the springs are thought to be ribbon-like structures within the mesa. These ribbons feed the springs via localized fracture zones and other fate and transport pathways.

A human health and ecological screening assessment was performed for the study area. Primary results are summarized as follows:

- Soils in the source area pose the greatest concern to human health. All but two of the COPCs retained exceeded their respective SSAL by an order of magnitude or more. The exceptions are arsenic, which exceeded its SSAL by a factor of 7, and manganese, which exceeded its SSAL by a factor of 2. The remaining COPCs that are of the greatest concern in the source area include: bis(2-ethylhexyl)phthalate, RDX, trinitrotoluene [2,4,6-], HMX, and barium. These compounds are found in high concentrations.

- Surface, spring, and borehole waters contain the high explosive RDX above regulatory thresholds. Of primary ecological concern are the presence of potential persistent bioaccumulators and the highly elevated concentrations of barium, manganese, bis(2-ethylhexyl)phthalate, HMX, RDX, and 2,4,6-TNT. All biotic species are at risk from contamination on the 260 outfall site. Additionally, there is a high potential for the transport of contamination off-site by physical and biotic processes. The known presence of the Mexican spotted owl *(Strix occidentalis lucida)* in Cañon de Valle poses special challenges for the containment and remediation of the 260 outfall site. Cañon de Valle in the area of the 260 outfall site is biotically rich in both terrestrial and aquatic species.

Based on the results of this investigation, the following recommendations are proposed:

1. Source removal IM to remove high levels of contamination in the outfall and drainage area. The approach to source removal will be documented in an IM Plan scheduled for preparation in FY 99.

2. Phase III data collection. Additional data collection is required to complete the hydrogeologic conceptual model, perform the site-specific risk assessment, and make conclusions as to the impact to deeper groundwater. The strategy to collect additional data is described in the SAP included with the CMS Plan prepared for this PRS.

3. Continuation of the CMS process to determine the need for water/sediment remediation and continued monitoring of the watershed system. Continuation of the CMS process is described in the CMS Plan prepared for this PRS.

8.0 REFERENCES

The following list includes all of the documents cited in the body and appendixes of this report. The parenthetical information following each in-text reference provides the author, publication date, and the ER ID number, and, if applicable, the LANL ER Project Reference Library reference set number for each document. This information is also included in the citations in the text. This information can be used to locate the documents on this list as follows.

The ER ID number is assigned by the Laboratory's ER Project to track material associated with LANL PRSs. This number can be used to locate the actual document at the ER Project's Records Processing Facility (RPF) and, where applicable, within the ER Project Reference Library. All cited documents are assigned ER ID numbers.

The reference set number is assigned to located material in the LANL ER Project Reference Library, which is housed at NMED, HRMB, DOE, and the ER Project Office. This library is a living document that was developed to insure that the AA has all of the necessary material to review the decisions and actions proposed in documents submitted by the Laboratory's ER Project. Documents previously submitted to the AA and documents that are specific to this RFI report are not included in the Reference Library. Documents that are specific to this RFI report are attached in Appendix J-2.0, Referenced Documents.

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APPENDIX A ACRONYMS AND GLOSSARY

A-1.0 List of Acronyms

AA	Administrative authority
AA	Atomic absorption
A-DNT	Amino-dinitrotoluene
AEA	Atomic Energy Act
AIP	Agreement in principle
ALAP	As low as practicable
ALARA	As low as reasonably achievable
AOC	Area of concern
AP	Administrative procedure
AR	Administrative requirement; administrative record
ARAR	Applicable or Relevant and Appropriate Requirement
ASD	Alpha scintillation detector
asl	Above sea level
ASME	American Society of Mechanical Engineers
ASTM	American Society for Testing and Materials
ATAC	Advanced Technology Assessment Center
ATSDR	Agency for Toxic Substances and Disease Registry
BH	Borehole
BMP	Best management practice
BNA	Base/neutral/acid
BNM	Bandelier National Monument
BTEX	Benzene, toluene, ethylbenzene, xylene
BV	Background value
CA	Corrective action
CAA	Clean Air Act
CAD	Corrective action design
CAP	Corrective action plan
CAS	Chemical Abstract Service (number)
CASRN	*Chemical Abstracts Service Registry* numbers
CDC	Centers for Disease Control
CEARP	Comprehensive Environmental Assessment and Response Program
CEC	Cation exchange capacity

CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulations
CGI	Combustible gas indicator
CHI	Chemical hazards index
CHIPs	Chemical hazard information profiles
CLP	Contract Laboratory Program
CLPQA	Contract Laboratory Program quality assurance
CMI	Corrective measures implementation
CMS	Corrective measures study
COC	Contaminant of concern
COE	US Army Corps of Engineers (DoD)
COLIWASA	Composite liquid waste sampler
COPC	Chemical of potential concern
COPEC	Contaminant of potential ecological concern
cpm	Counts per minute
CRPP	Community relations program plan
CRZ	Contamination reduction zone
CSCSC	Cost and schedule control systems criteria
CVAA	Cold vapor atomic absorption
CWA	Clean Water Act
CWM	Clear wide mouth
CY	Calendar year
D&D	Decontamination and decommissioning
DL	Detection limit
DNT	Dinitrotoluene
DoD	US Department of Defense
DOE	US Department of Energy
DOE/AL	U.S. Department of Energy /Albuquerque Operations Office
DOE/HQ	U.S. Department of Energy /Headquarters
DOE/LAAO	U.S. Department of Energy /Los Alamos Area Office
DoT	Department of Transportation
DPM	Disintegrations per minute
DQO	Data quality objective
DU	Depleted uranium
DX	Dynamic Experimentation (Division)
EA	Environmental assessment (NEPA)

ECD	Electron capture detector
EDE	Effective dose equivalent
EES	Earth and Environmental Sciences (Division)
EIS	Environmental impact statement
EM	Environmental Management (Division)
EMO	Emergency Management Office
EMP	Environmental Management Programs
EO	Executive order
EOC	Emergency Operations Center
EP	Extraction procedure; engineering procedure
EPA	U.S. Environmental Protection Agency
EPCEM	Ecological pathways conceptual exposure model
EPCRA	Emergency Planning and Community Right-to-Know Act
EQL	Estimated quantitation limit
ER	Environmental Restoration
ERDA	US Energy Research and Development Administration
ERPG	Emergency response planning guideline
ESA	Endangered Species Act; Engineering Science and Application (Division)
ESG	Environmental Surveillance Group
ES&H	Environment, Safety, and Health (Division)
ESL	Ecological screening level
ETL	Equipment test laboratory
FAR	Federal acquisition regulation
FQCPO	Facility Quality Control Project Office
FID	Flame ionization detector
FIDLER	Field instrument for detection of low-energy radiation
FIMAD	Facility for Information Management, Analysis, and Display
FONSI	Finding of no significant impact
FPC	Field project coordinator (DOE)
FPL	Field project leader (ER Project)
FS	Feasibility study
FSP	Field sampling plan
FTL	Field team leader
FU3	Field unit 3
FUSRAP	Formerly Utilized Sites Remedial Action Program
FY	Fiscal year

FYP	Five-year plan
FWS	US Fish and Wildlife Service
GC	Gas chromatograph(y), Garratt-Callahan
GDMS	Glow discharge mass spectrometry
GeLi	Germanium lithium
GFAA	Graphite furnace atomic absorption
GFF	Glass fiber filter
GIS	Geographical Information System
GM	Geiger-Mueller
GPR	Ground-penetrating radar
GVV	Glass VOA vial
GW	Groundwater
GWPA	Ground Water Protection Act
HASP	Health and safety plan
HAZMAT	Hazardous materials
HAZWOP	Hazardous Waste Operations Program
HAZWOPER	Hazardous Waste Operations and Emergency Response
H&S	Health and safety
H&SPL	Health and safety project leader
H&SP	Health and safety plan
HCIA	Hazardous Chemicals Information Act
HE	High explosive(s)
HEPA	High-efficiency particulate air (filter)
HI	Hazard index
HIVAR	Hazard indicator value across receptors
HMX	1,3,5,7-tetranitro-1,3,5,7-tetrazacyclooctane (cyclotetramethylenetetranitramine)
HPIC	High-pressure ionization chamber
HPLC	High-pressure liquid chromatography
HQ	Hazard quotient
HRMB	Hazardous and Radioactive Materials Bureau (within NMED)
HRS	Hazard-ranking system
HS-1	Radiation Protection Group
HS-2	Occupational Medicine Group
HS-3	Safety and Risk Assessment Group
HS-5	Industrial Hygiene Group
HSE	Health, Safety, and Environment (Division); (now ES&H Division)

HSPL	Health and safety project leader
HSWA	Hazardous and Solid Waste Amendments of 1984
HWA	Hazardous Waste Act (New Mexico)
IA	Interim action
ICPES	Inductively coupled plasma emission spectroscopy
ICPMS	Inductively coupled plasma mass spectroscopy
ICRP	International Commission on Radiological Protection
ID	Inside diameter
IDLH	Immediately dangerous to life and health
IGMP	Installation Generic Monitoring Plan
IM	Interim measure
INAA	Instrumental neutron activation analysis
INEL	Idaho National Engineering Laboratory
IP	Ionization potential, induced polarization
IWP	Installation work plan
LAAO	Los Alamos Area Office (a branch of the Department of Energy)
LANL	Los Alamos National Laboratory
LASL	Los Alamos Scientific Laboratory (LANL before January 1, 1981)
LC	Liquid chromatography
LCS	Laboratory control sample
LIBS	Laser-induced breakdown spectroscopy
LLW	Low-level waste
LOC	Level of concern
LOQ	Limit of quantification
LP	Laboratory procedure
LNAPL	Light nonaqueous phase liquid
LUST	Leaking underground storage tank
M&O	Management and operations
MCA	Multichannel analyzer
MCEF	Mixed-cellulose-ester filter
MCL	Maximum concentration level
MDA	Material disposal area
MDL	Minimum detection limit
MEGAS	Multiple-energy gamma assay spectrometer
MEK	Methyl ethyl ketone
MIBK	Methyl isobutyl ketone

MIS	Management Information System
MOU	Memorandum of understanding
MRI	Midwest Research Institute
MS	Mass spectrometer (spectrometry)
MSDS	Material data safety sheet
MSHA	Mine Safety and Health Administration
MSV	Main storage vault
MW	Monitoring well
MWDF	Mixed-Waste Disposal Facility (formerly Mixed-Waste Storage and Disposal Facility)
NAA	Neutron activation analysis
NAAQS	National ambient air quality standard
NCP	National Contingency Plan
NDA	Nondetectable activity
NEPA	National Environmental Policy Act
NFA	No further action
NFS	National Forest Service
NHPA	National Historic Preservation Act
NIOSH	National Institute of Occupational Health and Safety
NIST	National Institute of Standards and Technology
NMED	New Mexico Environment Department (New Mexico Environmental Improvement Division before 1991)
NMESA	New Mexico Endangered Species Act
NMHWMR	New Mexico hazardous waste management regulations
NMODC	New Mexico Oil Conservation District
NMSP	New Mexico state plane
NMWQCA	New Mexico Water Quality Control Act
NOAEL	No observed adverse effects level
NOD	Notice of deficiency
NPDES	National pollutant discharge elimination system
NPL	National Priorities List
NPS	National Park Service
NRC	US Nuclear Regulatory Commission, National Research Council
NRDA	Natural resource damage assessment
NTIS	National Technical Information Service
NTS	Nevada Test Site
NTU	Nephelometric turbidity unit

NV	Not validated
NWI	National wetlands inventory
OEL	Occupational exposure limit
OIG	Office of Inspector General
OM	Operational management
ORNL	Oak Ridge National Laboratory
OSR	Occupational safety requirements
OS&H	Occupational safety and health
OSHA	Occupational Safety and Health Administration
OSWER	Office of Solid Waste and Emergency Response (EPA)
OTD	Office of Technology Development
OU	Operable unit
OUPL	Operable unit project leader (ER Program)
OVA	Organic vapor analyzer
PAH	Polyaromatic hydrocarbon
PA/SI	Preliminary assessment/site investigation
PBX	Plastic-bonded explosives
PC	Personal computer, project coordinator, protective clothing
PCB	Polychlorinated biphenyl
PCE	Perchloroethane
PCM	Project control manager, potential contact medium
PCO	Project Control Office
PE	Performance evaluation
PEIS	Programmatic environmental impact statement
PEL	Permissible exposure limit
PETN	Pentaerythritol tetranitrate
PID	Photoionization detector
PI	Principal investigator
PL	Project leader
PM	Program manager
PMP	Program management plan
PNA	Polynuclear aromatic (compound)
PP&C	Project Planning and Control (Team)
PPB	Potential persistent bioaccumulators
PPE	Personal protective equipment
PQL	Practical quantitation limit

PRG	Preliminary remediation goal
PRS	Potential release site
PR/VSI	Preliminary review/visual site inspection
PSAR	Preliminary safety analysis report
PVC	Polyvinyl chloride
QA	Quality assurance
QAMS	Quality assurance management staff (EPA)
QAPjP	Quality assurance project plan
QAR	Quality assurance representative
QC	Quality control
QL	Quantitation limit
QP	Quality procedure
QPP	Quality program plan
QPPL	Quality program project leader
RA	Remedial action, risk analysis
RAM	Real-time aerosol monitor, random access memory
R&D	Research and development
RCRA	Resource Conservation and Recovery Act
RD	Remedial design
RDX	1,3,5-trinitro-1,3,5-triazacyclohexane (cyclotrimethylenetrinitramine)
REL	Recommended exposure limit
REM	Roentgen equivalent man
RESRAD	Residual radioactive material (computer code)
RFA	RCRA facility assessment, request for analysis
RfD	Reference dose
RFI	RCRA facility investigation
RFP	Request for proposal
RG	Remediation goal
RI	Remedial investigation
RI/FS	Remedial investigation/feasibility study
RLW	Radioactive liquid waste
RM	Records management
RME	Reasonable maximum exposure
RMP	Records management plan
RPD	Relative percent difference
ROC	Radionuclide of concern

ROD	Record of decision
RPA	Radiation Protection Act
RPF	Records Processing Facility
RPS	Radiation protection standard
RQ	Reportable quantity
RSD	Risk-specific dose
SA	Safety assessment
SAA	Satellite accumulation area
SAL	Screening action level
SAP	Sampling and analysis plan
SARA	Superfund Amendments and Reauthorization Act
SCBA	Self-contained breathing apparatus
SCS	US Soil Conservation Service (US Department of Agriculture)
SDWA	Safe Drinking Water Act
SEM	Scanning electron microscope
SF	Superfund
SHPO	State Historic Preservation Officer (New Mexico)
SIO	Stakeholder Involvement Office (Laboratory)
SMF	Sample Management Facility
SMO	Sample Management Office (formerly Sample Management Facility)
SOP	Standard operating procedure
SOSG	Standard operating safety guide
SOW	Statement of work
SPPL	Senior programmatic project leader (ER Program)
SPCC	Spill prevention control and countermeasures
SSALs	Site-specific action levels
SSHSP	Site-specific health and safety plan
SSHASP	Site-specific health and safety plan
SSO	Site safety officer
SSP	Site-specific plan
SSRA	Site-specific risk assessment
STEL	Short-term exposure limit
STP	Sewage treatment plant
SU	Standard unit
SVOC	Semivolatile organic compound
SW	Solid waste

SWA	Solid Waste Act
SWAT	Surface Water Assessment Team
SWCS	Sanitary wastewater consolidation system
SWDA	Solid Waste Disposal Act
SWEIS	Sitewide Environmental Impact Statement
SWMU	Solid waste management unit
SWP	Special work permit
SWSC	Sanitary waste consolidation system
TA	Technical area
TAL	Target analyte list (EPA)
TATB	Triaminotrinitrobenzene
TB	Technical bulletin
TBD	To be determined
TCA	Trichloroethane
TCE	Trichloroethylene
TCL	Target compound list
TCLP	Toxicity characteristic leaching procedure
TD	Total depth
TDS	Total dissolved solids
T&E	Threatened and endangered
TEC	Total estimated cost
THC	Total hydrocarbons
TIC	Tentatively identified compound
TLD	Thermoluminescent dosimeter
TLV	Threshold limit value
TNB	Trinitrobenzene
TNT	Trinitrotoluene
TOC	Total organic carbon
TPC	Total program cost
TPH	Total petroleum hydrocarbons
TRU	Transuranic
TSD	Treatment, storage, disposal
TSCA	Toxic Substances Control Act
TSP	Total suspended particulates
TSR	Technical safety requirement
TSS	Total suspended solids

TTL	Technical team leader (ER Program)
TU	Tritium unit
TWA	Time-weighted average
UC	University of California
UL	Underwriters Laboratory
USC	United States Code
USCG	US Coast Guard
USCS	Unified Soil Classified Service
USGS	US Geological Survey
UST	Underground storage tank
USTR	Underground storage tank regulation
VCA	Voluntary corrective action
VCAP	Voluntary corrective action plan
VCM	Voluntary corrective measure
VCP	Vitrified clay pipe
VMAX	Maximum volume to be remediated
VOA	Volatile organic analysis
VOC	Volatile organic compound
WAA	Waste accumulation area
WBS	Work breakdown structure
WIN	Waste Information Network
WIPP	Waste Isolation Pilot Plant
WM	Waste management
WP	Work plan
WQA	Water Quality Act
WWTP	Wastewater treatment plant
WX	Design Engineering (Division)
XRF	X-ray fluorescence
XTX	Extex (extrudable explosives)

A-2.0 Glossary

Abbreviated method A shortened form of a method. Usually refers to analytical methods that have been modified to require less rigorous sample preparation, analysis conditions or quality control.

Accuracy The extent to which the results of a calculation or measurement approach the true values of the calculated or measured quantities, and are free from error.

Action Level. A value that, when exceeded, will trigger a specified response.

Adsorption The surface retention of solid, liquid, or gas molecules, atoms, or ions by a solid or a liquid, as opposed to absorption, the penetration of substances into the bulk of the solid or liquid.

Aliquot A representative sample of a larger quantity.

Alluvial Said of materials or features deposited by running water.

Alluvial fan A fan-shaped piedmont accumulation of sediment deposited by a stream.

Alluvium Clay, silt, sand, gravel, or other rock materials transported by water and deposited in fairly recent geologic time as sorted or semisorted sediments in riverbeds, flood plains, lake shores, and fans at the base of mountain slopes.

Alpha radiation The form of radiation composed of alpha particles emitted in the radioactive decay of certain nuclides. The least penetrating of the three common types of radiation (alpha, beta, and gamma), it can be blocked by a sheet of paper or the outer dead layer of skin.

Analysis A process used to measure one or more attributes of a sample in a clearly defined, controlled, systematic manner. Often requires treating a sample chemically or physically before measurement.

Analyte The particular chemical or radiochemical species to be identified and/or quantified.

Analytical laboratory data qualifiers Data qualifiers that are attached to sample results by the analytical laboratory that performed the sample analysis.

The following letter qualifier flags are for **inorganic analyses**:

"**U**" The compound was analyzed for but was not detected. The associated numerical value is the estimated detection limit.

"**B**" The reported value was obtained from a reading that was less than the estimated detection limit but greater than or equal to the instrument detection limit.

"**E**" The reported value is estimated because of the presence of interference.

"**M**" Duplicate injection precision was not within control limits.

"**N**" Spiked sample recovery was not within control limits.

"**S**" The reported value was determined by the Method of Standard Additions.

"**W**" Post-digestion spike for GFAA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.

"*****" Duplicate sample analysis was not within control limits.

"**+**" Correlation coefficient for the Method of Standard Additions is less than 0.995.

The following letter qualifier flags are for **organic analyses**:

"**U**" The compound was analyzed for but was not detected. The reported numerical value is the estimated quantitation limit.

"J" Indicates an estimated value. The "J" flag is used if the compound is present but the result is less than the sample estimated quantitation limit and greater then the instrument detection limit.

"B" The analyte was found in the associated method blank as well as in the sample.

"E" The concentrations of the analyte exceeded the calibration range of the instrument.

"D" The analyte was identified in an analysis at a secondary dilution factor.

"C" Identification of a pesticide/PCB has been confirmed by GC/MS.

"P" The percent difference between a pesticide/PCB result obtained on the primary and secondary columns was greater than 25%.

"N" There is presumptive evidence of the presence of a tentatively identified compound based on mass spectral matching.

"A" A tentatively identified compound is a suspected aldol-condensation product.

Andesite A fine-grained volcanic rock, chiefly plagioclase and pyroxene.

Anomaly A deviation from normal variations; something that is abnormal.

Applicable, relevant, or appropriate requirement (ARARs) Those cleanup standards, standards of control, and other substantive environmental protection requirements, criteria, or limitations promulgated under federal or state law that specifically address a hazardous substance, pollutant, contaminant, remedial action, location, or other circumstance at a CERCLA site, or that address problems or situations sufficiently similar to those encountered at the CERCLA site that their use is well suited to the particular site.

Aquifer A permeable body of geologic material capable of yielding groundwater to wells or springs.

Aquitard A low permeability geologic material that does not readily yield groundwater to wells.

Area of concern An area at LANL known or suspected to be contaminated with radionuclides, but not contaminated by hazardous chemicals (or hazardous waste).

Assessment endpoint A quantitative or quantifiable expression of the environmental value considered to be at risk in a risk analysis (i.e. a 25% reduction in fish biomass or local extinction of an avian species).

As low as reasonably achievable (ALARA) An approach to radiation protection to control or manage exposures (both individual and collective to the work force and the general public) and releases of radioactive material to the environment as low as social, technical, economic, practical, and public policy considerations permit. Used in this sense, ALARA is not a dose limit.

Ash-flow tuff A tuff deposited by a hot dense volcanic current. Ash-flow tuff can be either welded or nonwelded.

Background level The naturally occurring concentrations of an inorganic chemical (including naturally occurring radionuclides) in soil.

Background radiation The amount of radioactivity naturally present in the environment, including cosmic rays from space.

Background value (BV) Background values exist for inorganic chemicals and radionuclides. The background values are the upper tolerance limits (UTLs) of background sample results, calculated as the upper 95% confidence limit for the 95th percentile. In cases where a UTL cannot be calculated, either the detection limit or maximum reported value is used as a BV. Background values are used as simple threshold numbers to identify potentially contaminated site sample results as greater than background levels.

Barrier Any material or structure that prevents or substantially delays movement of solid, liquid, or gaseous phase chemicals in environmental media.

Basalt A hard, dense, dark volcanic rock composed chiefly of plagioclase, augite, olivine, and magnetite.

Baseline level Anthropogenic, non-site related concentrations of a given chemical in the soil. Examples of baseline levels are nuclear fallout and organic chemicals associated with urban activities.

Baseline risk assessment (Also known as ***risk assessment***) A site-specific analysis of the potential adverse effects caused by hazardous substance releases from a site in the absence of any actions to control or mitigate these releases. There are four steps in baseline risk assessment: data collection and analysis, exposure assessment, toxicity assessment, and risk characterization.

Bentonite A clay composed of the mineral montmorillonite and variable amounts of magnesium and iron, formed over time by the alteration of volcanic ash. As bentonite can adsorb large quantities of water and expand to several times its normal volume, it is a common additive to drilling mud.

Beta radiation Radioactive transformation of a nuclide in which the nucleus emits a beta particle (electron or positron). Beta radiation can be blocked by an inch of wood or by a thin sheet of aluminum.

Bias (1) The degree to which the value obtained for a measured parameter deviates from the value accepted as the true, or reference, value. (2) A systematic deviation from the true value that remains constant over replicated measurements within the statistical precision of the measurement process.

Blank sample A sample expected to have negligible or unmeasurable amounts of analytes. Results of blank sample analyses indicate whether or not field samples might have been contaminated during one or more steps of the sample collection, transport, storage, preparation and analysis process.

Blind sample See ***Single blind sample*** and ***Double blind sample***.

Breccia Coarse-grained rock consisting of angular fragments cemented together or embedded in a fine-grained matrix.

Caldera A more or less circular volcanic depression, generally on the order of tens of kilometers in diameter, formed during the eruption of large volumes (tens to hundreds of cubic kilometers) of dense rock equivalent, ash flow, and ash fall tuff deposits.

Calibration A process used to identify the relationship between the true, or reference, analyte concentration or other variable and the response of a measurement instrument, chemical analysis method, or other measurement system.

Calibration blank A calibration standard prepared to contain negligible or unmeasurable amounts of analytes. It is used to establish the zero concentration point for analytical measurement calibration.

Calibration standard A sample prepared to contain known amounts of the analytes of interest and of other constituents required for the analysis.

Caliche (Properly called ***pedogenic calcite,*** also known as ***calcrete***) An accumulation of calcium carbonate, typically found in the near-surface.

Catchment A structure such as a basin or reservoir, for collecting or draining water; the collecting of water.

Chain of custody An unbroken, documented trail of accountability designed to ensure that the physical integrity of samples, data, and records remains uncompromised.

Chemical Any naturally occurring or man-made substance characterized by a definite molecular composition, including molecules that contain radionuclides.

Chemical of concern A chemical that is identified as a potential risk as the result of performing a site-specific human health or ecological risk assessment.

Chemical of potential concern (COPC) A chemical detected at a site that has the potential to adversely affect human and or ecological receptors due to its concentration, distribution and mechanism of toxicity. The chemical remains a concern until exposure pathways and receptors are evaluated in a site-specific risk assessment.

Cleanup Action undertaken to physically remove or treat a hazardous substance that poses a threat or potential threat to human health and welfare and the environment. Sites are considered cleaned up when EPA removal or remedial programs have no further expectation or intention of returning to the site and threats have been mitigated or do not require further action.

Cleanup levels Media-specific target concentration levels for contaminants that must be met by a selected corrective action. Cleanup levels are established using criteria such as protection of human health and the environment; compliance with regulatory requirements; reduction of toxicity, mobility, or volume through treatment; long- and short- term effectiveness; implementability; cost; and public acceptance.

Code of Federal Regulation (CFR) A codification of all regulations developed and finalized by federal government agencies in the *Federal Register.*

Collocated sample One of two or more samples collected as close together in time and space as the sampling equipment allows so that each sample is expected to be equally representative for a given analyte within the common space and time interval.

Colluvium Rock debris accumulated at the base of a cliff or on a slope principally by the action of gravity.

Comparability A qualitative measure of the degree to which one item or data set can be compared with another.

Composite sample A sample that is formed by combining and homogenizing several grab samples.

Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980. Amended by the Superfund Amendments and Reauthorization Act (SARA) of 1986. The acts created a special tax that goes into a trust fund, commonly known as Superfund, whose mandate is to investigate and clean up abandoned or uncontrolled hazardous waste sites that may endanger health or the environment. The EPA is responsible for managing Superfund.

Conceptual model See also ***Site conceptual model.***

Conceptual hydrogeologic model Perception of the occurrence, movement and quality of groundwater in an area and the relationship of groundwater to the surface water, soil water and geologic framework there.

Confluence The place where two or more streams meet; the point where a tributary meets the main stream.

Confined Said of groundwater in an artesian aquifer.

Constituent Any compound or element present in environmental media, including both naturally occurring and anthropogenic elements.

Contaminant Any chemical (including radionuclides) present in environmental media or on structural debris at a concentration that may present a risk to human health or the environment.

Controlled area Any Laboratory area to which access is controlled to protect individuals from exposure to radiation and/or hazardous materials.

Corrective Action A measure taken to rectify conditions adverse to human health or the environment.

Corrective measures study If a RCRA facility investigation indicates that further action is required, a "corrective measures study" is performed to identify and evaluate cleanup alternatives for the release. This study assesses risks to human health and the environment, costs, and other factors such as disposal methods.

Corrective measures implementation (CMI) This third step of the corrective action process includes design, construction, maintenance, and monitoring of the chosen remedy.

Curie A unit of radioactivity defined as that quantity of any radioactive nuclide that has an activity of 3.7×10^{10} disintegrations per second.

Daily Calibration A combination of calibration blank and calibration standard used to determine if the instrument response to analyte concentration is within acceptable bounds relative to the initial calibration. A daily calibration establishes the 24-hour relative response factors on which quantitations are based, thus verifying the satisfactory performance of an instrument on a day-to-day basis.

Data quality assessment A statistical and scientific evaluation of the data set to assess the validity and performance of the data collection design and statistical test, and to establish whether a data set is adequate for its intended use.

Data quality objectives (DQOs) The qualitative and quantitative goals that are developed before sampling begins that clarify the investigation objectives and identify the type, quantity and quality of data needed to support decisions.

Data validation A systematic process that applies a defined set of performance-based criteria to a body of data that may result in qualification of the data. This process is performed independently of the analytical laboratory generating the data set and occurs prior to drawing a conclusion from the data. It may comprise a standardized review (routine validation) and/or a problem-specific review (focused validation) of the data.

Data validator The person who performs data validation in accordance with LANL ER procedures.

Data verification A process of evaluating the completeness, correctness, consistency, and compliance of a laboratory data package against a specified standard or contract. Completeness means all required

information is present—both hard copy and electronic. Correctness means the reported results are based on properly documented and correctly applied algorithms. Consistency means that values are the same when they are reported in different reports or are transcribed from one report to another. Compliance means that the data pass numerical QC tests based on parameters or limits specified in a contract or in an auxiliary document.

Decommissioning The permanent removal from service of surface facilities and components only, after facility closure, in accordance with regulatory requirements and environmental policies.

Decontamination The removal of unwanted material from the surface of or from within another material, or the neutralizing of it.

Deferred action Postponement of the selection and implementation of a corrective measure until a future date, usually following decommissioning of an active site.

Detection limit The minimum concentration of a substance that can be measured by an instrument with a specified statistical confidence that the analytical concentration is greater than zero.

Discharge or Hazardous Waste Discharge (As defined under RCRA, 40 CFR 260.10) The accidental or intentional spilling, leaking, pumping, pouring, emitting, emptying, or dumping of hazardous waste into or on any land or water.

Disposal The discharge, deposit, injection, dumping, spilling, leaking, or placing of any solid waste or hazardous waste into or on any land or water so that such solid waste or hazardous waste or any constituent thereof may enter the environment or be emitted into the air or discharged into any waters, including ground waters.

U.S. Department of Energy (DOE) The federal agency that sponsors energy research and regulates nuclear materials for weapons production.

Dose The quantity of radiation absorbed, per unit of mass, by the body or by any portion of the body.

Dose equivalent An estimate of the amount of biological damage (in rems) done by the deposition in tissue of a given unit of absorbed radiation dose.

Double blind sample A sample with analyte concentration and sample identity unknown to the analyst.

Duplicate analysis An analysis performed on one of a pair of identically prepared subsamples of the same sample.

Duplicate measurement One of a pair of measurements performed on a prepared sample under identical conditions.

Ecological Screening Level (ESL) An organism's exposure-response threshold for a given chemical constituent. It is the concentration of a substance in a particular medium that corresponds to a hazard quotient (HQ) of 1.0 for a given organism and below which no risk is indicated.

Effluent A liquid discharged as a waste, such as contaminated water from a factory or the outflow from a sewage works; water discharged from a storm sewer or from land after irrigation.

Eolian Pertaining to the wind, especially said of sediment deposition by the wind, of structures such as wind-formed ripple marks, or of erosion accomplished by the wind.

Environmental Assessment (EA) A report that identifies potentially significant environmental impacts from any federally approved or funded project that may change the physical environment. If an EA shows significant impact, an Environmental Impact Statement (EIS) is required.

Environmental Impact Statement A detailed report, required by federal law, on the significant environmental impacts that proposed major federal projects would have on the environment.

Environmental Surveillance The collection and analysis of samples of air, water, soil, foodstuffs, biota, and other media to determine environmental quality of an industry or community. It is commonly performed at sites containing nuclear facilities.

Environmental Protection Agency (EPA) The federal agency responsible for enforcing environmental laws. While state regulatory agencies may be authorized to administer some of this responsibility, EPA retains oversight authority to ensure protection of human health and the environment.

Ephemeral stream Said of a stream or spring that flows only during and immediately after periods of rainfall or snowmelt.

Equipment blank A blank sample that is used to rinse the sample collection equipment and is then transferred to a sampling container. The equipment blank is collected after equipment decontamination is completed but prior to collection of another field sample.

Error Any discrepancy between a computed, observed, or measured quantity and the expected or theoretically correct value of that quantity.

Estimated quantitation limit The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine analytical laboratory operating conditions. Sample estimated quantitation limits are highly matrix-dependent, and the specified estimated quantitation limits might not always be achievable.

Evapotranspiration The combined discharge of water from the earth's surface to the atmosphere by evaporation from lakes, streams, and soil surfaces, and by transpiration from plants.

Exposure unit The bounded area or volume within which a person or other receptor may be exposed to contaminants that have been released to the environment.

Fault A fracture, or zone of fractures, in rock along which there has been vertical or horizontal movement; adjacent rock surfaces are displaced.

Field blank A blank sample either prepared in the field or carried to the sampling site, exposed to sampling conditions (e.g., bottle caps removed, preservatives added), and returned to a laboratory for analysis in the same manner in which environmental samples are analyzed. Used to identify the presence of contamination potentially added during the sampling and analysis process.

Field duplicate A second sample collected as near as possible to the original sample.

Field matrix spike A known amount of a field sample to which a known amount of the target analyte has been added. Used to compute the proportion of added analyte that is recovered upon analysis.

Field reagent blank Same as *field blank*.

Field sample See also *sample*.

Field split A field sample that has been divided in the field into equally representative portions (See also *split sample*).

Flood plain The portion of a river valley that is built of overbank sediment deposited when the river floods.

Focused data validation A technically based analyte-, sample-, and potentially data use-specific process that extends the qualification of data beyond method or contractual compliance and provides a level of confidence that an analyte is present or absent. If the analyte is present, the quality of the quantitation may be obtained through focused validation.

Gamma radiation A form of electromagnetic, high-energy radiation emitted from a nucleus. Gamma rays are essentially the same as x-rays and require heavy shieldings, such as concrete or steel, to be blocked.

Geohydrology The science that applies hydrologic methods to the understanding of geologic phenomena.

Grab sample A specimen collected by a single application of a field sampling procedure to a target population, e.g. the surface soil from a single hole collected following the spade and scoop sampling procedure, or a single air filter left in the field for three months.

Groundwater Water in a subsurface saturated zone.

Half-life The time required for one-half of the radioactive atoms initially present in a sample to decay. Each radionuclide has a characteristic half-life ranging from a fraction of a second to thousands of years.

Hazardous and Solid Waste Amendments (HSWA) Amendments to the Resource Conservation and Recovery Act, 1984. HSWA added land disposal restrictions, minimum technology requirements, and expanded corrective action authorities to the RCRA statue.

Hazardous substance (As defined by 40 CFR 302.3) Any substance designated pursuant to 40 CFR 302. 40 CFR 302.4 – Designation of Hazardous Substances:

(a) ***Listed hazardous substances.*** The elements, compounds and hazardous wastes appearing in Table 302.4 are designated as hazardous substances under section 102(a) of the CERCLA.

(b) ***Unlisted hazardous substances.*** A solid waste, defined in 40 CFR 261.2, which is not excluded from regulation as a hazardous waste under 40 CFR 261.4(b), is a hazardous substance under section 101(14) of the CERCLA if it exhibits any of the characteristics identified in 40 CFR 261.20 through 261.24. See Hazardous Waste. **Note:** This definition incorporates by reference, substances listed in CWA sections 311 and 307(a); CAA section 112; RCRA section 3001; and TSCA section 7.

Hazardous waste (As defined by RCRA 40 CFR 261.3) Any solid waste is generally a hazardous waste if it is not excluded from regulation as a hazardous waste, is listed in the regulations as a hazardous waste, exhibits any of the defined characteristics of hazardous waste (ignitability, corrosivity, reactivity, or toxicity), or is a mixture of solid waste and hazardous waste.

Holding time The maximum elapse of time that one can expect to store a sample without unacceptable changes in analyte concentrations. Holding times apply under prescribed storage conditions and deviations in storage conditions may affect the holding time. Extraction Holding Time refers to the time lapse from sample collection to sample preparation; Analytical Holding Time refers to the time lapse between sample preparation and analysis.

Hot pad An area located at an airport, or other terminal of public transportation, that is segregated from the general public for the purposes of loading and unloading hazardous, radiological, and/or biological cargo.

HSWA module A portion of the Laboratory's permit to operate under RCRA that contains requirements specific to Los Alamos National Laboratory. It is this portion of the permit that contains the list of solid waste management units that must be cleaned up in accordance with RCRA procedures.

Hydraulic conductivity The rate at which water moves through a medium in a unit of time under a unit hydraulic gradient through a unit area measured perpendicular to the direction of flow.

Hydraulic gradient The rate of change of hydraulic head per unit of distance in the direction of groundwater flow.

Hydraulic head Elevation of the water table or potentiometric surface as measured in a well.

Hydrogeology The science that applies geologic methods to the understanding of hydrologic phenomena.

Hypothesis A proposition stated as a basis for further investigation.

Industrial use scenario Industrial use is the future use scenario in which current Laboratory operations continue. Any necessary remediation involves cleanup to standards designed to ensure a safe and healthy work environment for Laboratory workers.

Infiltration Entry of water into the ground.

Interflow A runoff process that involves lateral subsurface flow in the soil zone.

Injection well A well used for adding water and/or tracers to the saturated zone during well tests of hydrologic behavior.

Initial calibration The process used to establish the relationship between instrument response and analyte concentration at several analyte concentration values to demonstrate that an instrument is capable of acceptable analytical performance.

Initiator A weapons device used as the first element of an explosion, which upon receipt of the proper mechanical or electrical impulse produces a burning or detonating action.

Interim measure The actions used to achieve the goal of stabilization at contaminated sites that present serious and immediate health hazards.

Interference A chemical or physical entity whose influence results in a decrease or increase in the response of an analytical method or other measurement system relative to the response obtained in the absence of the entity.

Intermittent stream Said of a stream that flows only in certain reaches due to losing and gaining characteristics of the channel bed.

Interrupted stream Said of a stream whose flow is discontinuous due to man-made structures.

Institutional controls Controls prohibiting or limiting access to contaminated media; may consist of deed restrictions, use restrictions, permitting requirements, etc.

Laboratory duplicate sample The portions of a sample taken from the same sample container, prepared for analysis and analyzed independently but under identical conditions. Each duplicate sample is expected to be equally representative of the original material.

Land disposal restrictions (LDR) A RCRA program that requires hazardous waste be treated (or meet specified levels for hazardous constituents) before land disposal is allowed. In addition to the disposal prohibition, there are prohibitions and limits in the LDR program regarding the dilution and storage of wastes.

LANL Data validation qualifiers Data qualifiers used in the LANL ER Project baseline validation process are as follows:

"A" Contractually required data are not available for data review and evaluation.

"U" The analyte was analyzed for but not detected.

"J" The analyte was positively identified, and the associated numerical value is estimated to be more uncertain than would normally be expected for that analysis.

"J+" The analyte was positively identified, and the result is likely to be biased high.

"J-" The analyte was positively identified, and the result is likely to be biased low.

"UJ" The analyte was not positively identified in the sample, and the associated value is an estimate of the sample-specific detection or quantitation limit.

"RPM" Without further review of the raw data, the sample results are unusable due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. Presence or absence cannot be verified. Any results qualified as RPM must be evaluated for relevance to data use.

"P" Professional judgement should be applied to using the data in decision-making.

"PM" Professional judgement should be applied to using the data in decision-making. A manual review of raw data is recommended t determine if the defect impacts data use for decision-making.

"R" The data is rejected as a result of major problems with quality assurance/qualify control (QA/QC) parameters.

Leachate A liquid that has percolated through waste, soil or rock material and mobilized chemical species in the process.

Leaching The separation or dissolving out of soluble constituents of a solid material by the natural action of percolating water or by chemicals.

Materials disposal area An area used any time between the beginning of Laboratory operations in the early 1940s and the present for disposing of chemically and/or radioactively contaminated materials.

Matrix See also *sample matrix.*

Matrix Relatively fine material in which coarser fragments or crystals are embedded; also called "ground mass."

Matrix spike An aliquot of sample spiked with a known concentration of target analyte(s). The spiking typically occurs before sample preparation and analysis.

Matrix spike duplicate An intralaboratory duplicate sample spiked with a known amount of target analyte(s). Spiking occurs prior to sample preparation and analysis.

Maximum contaminant level Under the Safe Drinking Water Act, the maximum permissible level of a contaminant in water that is delivered to any user of a public water system that serves 15 or more connections and 25 or more people. The standards set take into account the feasibility and cost of attaining the standard.

Medium (environmental) Any material capable of absorbing or transporting constituents including tuffs, soils and sediments derived from these tuffs, surface water, groundwater, air, structural surfaces, and debris.

Medium (geological) The solid part of the hydrogeological system; may be unsaturated or saturated.

Method A body of procedures and techniques for systematically performing an activity.

Method blank An analyte-free matrix to which all reagents are added in the same volumes or proportions as those used in the environmental sample processing and which is prepared and analyzed in the same manner as the corresponding environmental samples. The method blank is used to assess the potential for contamination to the sample during preparation and analysis.

Method detection limit (MDL) The minimum concentration of a substance that can be measured and reported with a known statistical confidence that the analyte concentration is greater than zero. The MDL is determined from analysis of samples of a given matrix type containing the analyte after subjecting the sample to the usual preparation and analyses. The MDL is used to establish detection status.

Migration The movement of inorganic and organic species through unsaturated or saturated materials.

Migration pathway A route (e.g., a stream or subsurface flow path) that controls the potential movement of contaminants to environmental receptors (plants, animals, humans).

Mitigation (1) Avoiding an impact altogether by not taking a certain action or parts of an action. (2) Minimizing impacts by limiting the degree or magnitude of the action and its implementation. (3) Rectifying the impact by repairing, rehabilitating, or restoring the affected environment. (4) Reducing or eliminating the impact over time by preservation and maintenance operations during the life of the action. (5) Compensating for the impact by replacing or providing substitute resources or environments.

Mixed waste Waste that contains both hazardous waste (as defined by RCRA and its amendments) and radioactive waste (as defined by the AEA and its amendments).

Model A mathematical approximation of a physical, biological, or social system.

Monitoring well A well drilled at a specific location on or off a hazardous waste site for the purpose of sampling groundwater or measuring water levels. Typically constructed with a moderate screen interval placed so as to straddle the water table or potentiometric surface associated with the saturated zone of interest.

National Pollutant Discharge Elimination System (NPDES) A federal regulation under the Clean Water Act requiring permits for discharge into surface waterways.

National Priorities List (NPL) EPA's list of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial response using money from the Trust Fund. Updated annually.

No further action (NFA) A decision that no further investigation or remediation is warranted for a PRS, based on risk levels for residential use, recreational use, or industrial use.

Notice of Deficiency (NOD) A notice issued to DOE and the Laboratory by EPA or NMED stating that some aspect(s) of a plan or report does not meet their requirements. The ER Project must then propose a solution acceptable to the EPA/NMED before the plan or report will be approved.

Operable unit (OU) At LANL, one of 24 areas originally established for administering the ER Project. Set up as groups of potential release sites, the OUs were aggregated based on geographic proximity for the purpose of planning and conducting the cleanup effort. As the project matured, it became apparent that 24 were too many to allow efficient communication and to ensure consistency in approach. Therefore, in 1994, the 24 OUs were reduced to six administrative "field units".

Outfall The vent or end of a drain, pipe, sewer, ditch, or other conduit that carries waste water, sewage, storm runoff or other effluent into a stream.

Out of control A condition in which a measured quality control parameter does not meet specified control or acceptance criteria.

Perched groundwater Groundwater that lies above the regional water table and is separated from it by an unsaturated zone.

Percolation Gravity flow of groundwater through the pore spaces in rock or soil below the ground surface.

Perennial Stream Said of a stream or reach that flows continuously throughout the year.

Performance evaluation sample A sample of known composition with respect to selected analytes which, upon analysis, is expected to yield results that fall within a prescribed range. Performance evaluation samples are selected to mimic as closely as possible those matrices representative of environmental samples from a particular location.

Permit modification A process in which changes to requirements of the Laboratory's operating permit is requested by application to the EPA. The process includes a public hearing and a 60-day comment period on the proposed changes.

Piezometer A well drilled for the purpose of measuring hydraulic head or water level; ideally only open at the bottom but usually constructed with a very short screen interval.

Piezometric Surface Also called potentiometric surface. The level to which water will rise in a well tightly cased into an aquifer.

Pollutant Includes, but is not limited to, any element, substance, compound, or mixture, including disease-causing agents, which after release into the environment and upon exposure, ingestion, inhalation, or assimilation into any organism, either directly from the environment or indirectly by ingestion through food chains, will or may reasonably be anticipated to cause death, disease, behavioral abnormalities, cancer, genetic mutation, physiological malfunctions (including malfunctions in reproduction) or physical deformations, in such organisms or their offspring; except that the terms "pollutant or contaminant" shall not include petroleum, including crude oil or any fraction thereof which is not otherwise specifically listed or designated as a hazardous substance under Subparagraphs (A)

through (F) of Paragraph (14) and shall not include natural gas, liquefied natural gas, or synthetic gas of pipeline quality (or mixtures of natural gas and such synthetic gas).

Population (statistical) A set of entities or a continuum in **a** physical, biological or social system of interest, e.g., the residents of Los Alamos County, the water in an alluvial aquifer, or the plants in Pajarito Canyon.

Porosity The ratio of the volume of interstices in rock or soil to its total volume expressed as a percentage or as a fraction.

Porphyritic Said of the texture of an igneous rock in which larger crystals (phenocrysts) are set in a finer ground mass.

Potential release site (PRS) A site suspected of releasing contaminants into the environment. PRS is a generic term that includes SWMUs, hazardous waste sites listed in Module VII of the Laboratory's Hazardous Waste Facility Permit, and sites that have been identified as potentially contaminated by radioactivity.

Precambrian All geologic time prior to the beginning of the Paleozoic era (the Paleozoic began about 600 million years ago), equivalent to about 90% of all geologic time.

Precision A concept used to describe dispersion of measurements with respect to a measure of location or central tendency. Precision may be represented by the inverse of the standard deviation of a set of measurements.

Preliminary assessment The process of collecting and reviewing available information about a known or suspected hazardous waste site or release. The extent of release and degree of threat to human health and the environment are evaluated to determine whether further study is needed and whether the release meets the criteria for a CERCLA-funded removal. **(DOE 1991)**

Prepared sample A sample treated in such a manner as to render it amenable to analysis. May include: digestate, distillate, electroplate, extract, filter retentate, filtrate, homogenate, precipitate, pulverized/sieved portion of sample, residue, etc.

Qualifier flag A letter code indicating, on a gross scale, a verifiable or potential data deficiency. Qualifier flags are assigned to data based on the outcome of data validation checks.

Quality assessment sample A sample submitted for analysis, the data from which are used to assess the quality of performance of a sampling or analysis process. May include performance evaluation samples, field duplicates, field blanks, etc.

Quality control (QC) sample A sample which, upon analysis, provides information useful for adjusting, controlling, or verifying continuing acceptability of sampling and/or analysis activities that are in progress.

Quaternary The second period of the Cenozoic Era, following the Tertiary, and including the last 2–3 million years.

Radiation Energy emitted in the form of rays or particles that are thrown off by disintegrating atoms. The rays or particles emitted may consist of alpha, beta, or gamma radiation.

Radioactive decay (1) The process whereby radioactive materials undergo a change from one nuclide, element, or state to another, releasing radiation in the process. This action ultimately results in a decrease in the number of radioactive nuclei present in the sample. (2) The spontaneous

transformation of one nuclide into a different nuclide or into a different isotope of the same nuclide accompanied by either the emission of particles from the nucleus, nuclear capture or ejection of orbital electrons, or fission.

Radioactive tracer A radioactive material added to, or induced in, a sample for the purpose of monitoring chemical or physical losses of the target analytes. The tracer is assumed to behave in the same manner as that of the target analytes.

Radioactive waste Waste material containing radionuclides, or contaminated by radionuclides.

Radionuclide A nuclide (species of atom) that exhibits radioactivity.

Randomized sample A sampling design where every possible sample has an equal probability of being selected.

RCRA facility assessment (RFA) Usually the first step in the RCRA corrective action process, to identify potential and actual releases from SWMUs and make preliminary determinations about releases, the need for corrective action, and interim measures. The RFA is generally equivalent to the preliminary assessment/site investigation taken under Superfund.

RCRA facility investigation (RFI) The second step of a RCRA corrective action, to gather enough data to fully characterize the nature, extent, and rate of migration of contaminants to determine the appropriate response action. The RFI is generally equivalent to the RI portion of the Superfund process.

Reason code A code used in the ER data validation process to indicate why a qualifier flag has been assigned to a datum.

Receptor A person, plant, animal, or geographical location that is exposed to a chemical or physical agent released to the environment by human activities.

Recharge The process by which water is added to the zone of saturation, either directly from the overlying unsaturated zone or indirectly by way of another material in the saturated zone.

Recreational use scenario Recreational use refers to current and future use scenarios in which cleanup of a PRS is completed to a level that permits the public to safely use it on an intermittent basis for activities such as hiking and camping. The standards are more stringent than they are for the industrial use scenario but not as stringent as those for residential use.

Regulatory standard Media-specific contaminant concentration levels of potential concern that are mandated by federal or state legislation or regulation (e.g., the Safe Drinking Water Act, New Mexico Water Quality Control Commission regulations).

Release Any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment (including the abandonment or discarding of barrels, containers, and other closed receptacles containing any hazardous substance or pollutant or contaminant), but excludes

(A) any release which results in exposure to persons solely within a workplace, with respect to a claim which such persons may assert against the employer of such persons;

(B) emissions from the engine exhaust of a motor vehicle, rolling, stock, aircraft, vessel, or pipeline pumping station engine;

(C) release of source, byproduct, or special nuclear material from a nuclear incident, as those terms are defined in the Atomic Energy Act, if such release is subject to requirements with respect to

financial protection established by the Nuclear Regulatory Commission under Section 170 of such act, or, for the purposes of Section 104 of this title or any other response action, any release of source, byproduct, or special nuclear material from any processing site designated under Section 102(a)(1) or 302(a) of the Uranium Mill Tailings Radiation Control Act of 1978, and

(D) the normal application of fertilizer. **[CERCLA 101(22)]**

Relative precision Precision measured relative to a particular value. Relative precision expressed as the relative standard deviation (RSD) may be calculated as the ratio of the standard deviation to the selected value.

Relevant and appropriate requirements Those cleanup standards, standards of control, and other substantive requirements, criteria, or limitations promulgated under federal environmental or state environmental or facility siting laws that, while not "applicable" to a hazardous substance, pollutant, contaminant, remedial action, location, or other circumstance at a CERCLA site, address problems or situations sufficiently similar to those encountered at the CERCLA site that their use is well suited to the particular site. Only those state standards that are identified in a timely manner and are more stringent than federal requirements may be relevant and appropriate. **(DOE 1991)**

Remediation The process of reducing the concentration of a contaminant (or contaminants) in air, water, or soil media to a level that poses an acceptable risk to human health; the act of restoring a contaminated area to a usable condition based on specified standards.

Remedy or remedial action Those actions consistent with permanent remedy instead of or in addition to removal actions in the event of a release or threatened release of a hazardous substance into the environment, to prevent or minimize the release of hazardous substances so that they do not migrate to cause substantial danger to present or future public health or welfare or the environment. The term includes, but is not limited to, such actions at the location of the release as storage, confinement, perimeter protection using dikes, trenches, or ditches, clay cover, neutralization, cleanup of released hazardous substances and associated contaminated materials, recycling or reuse, diversion, destruction, segregation of reactive wastes, dredging or excavations, repair or replacement of leaking containers, collection of leachate and run-off, on-site treatment or incineration, provision of alternative water supplies, and any monitoring reasonably required to assure that such actions protect the public health and welfare and the environment. **[CERCLA 101(24)]** Activities conducted at DOE facilities to reduce potential risks to people and/or harm to the environment from radioactive and/or hazardous substance contamination. **(DOE Order 5820.2A)**

Remove or removal The cleanup or removal of released hazardous substances from the environment; such actions as may be necessary taken in the event of the threat of release of hazardous substances into the environment, such actions as may be necessary to monitor, assess, and evaluate the release or threat of release of hazardous substances, the disposal of removed material, or the taking of such other actions as may be necessary to prevent, minimize, or mitigate damage to the public health or welfare or to the environment, which may otherwise result from a release or threat of release. **[CERCLA 101 (23)]**

Removal action An immediate action taken over the short term to address a release or threatened release of hazardous substances. **(DOE 1991)**

Replicate measurement A re-analysis (remeasurement) of a prepared sample.

Reportable quantity For any CERCLA hazardous substance, the quantity established in Table 302.4 and Appendix B of 40 CFR 302, the release of which requires notification unless federally permitted. **(DOE Order 5000.3A)**

Representativeness The degree to which data accurately and precisely represent a characteristic of a population or an environmental condition.

Residential use scenario The standards for residential use are the most stringent of the three current and future use scenarios being considered by the ER Project and is the level of cleanup EPA is currently specifying for SWMUs located off the Laboratory site and for those released for non-Laboratory use.

Resource Conservation and Recovery Act (RCRA) The RCRA regulations establish a comprehensive hazardous waste management system under the authority of RCRA Subtitle C. RCRA regulates hazardous waste from its point of generation through its point of final disposal. RCRA also regulates solid waste under Subtitle D.

Respond or response (As defined by Section 101 (25) of CERCLA) remove, removal, remedy, or remedial action, including enforcement activities related thereto. **(DOE 1991)**

Response action A CERCLA-authorized action at a Superfund site involving either a short-term removal action or a long-term remedial response that may include, but is not limited to, the following activities.

- Removing hazardous materials from a site to an EPA-approved, licensed hazardous waste facility for treatment, containment, or destruction.
- Containing the waste safely on site to eliminate further problems.
- Destroying or treating the waste on site using incineration or other technologies.
- Identifying and removing the source of groundwater contamination and halting further movement of the contaminants.

Restricted Area Any area access to which is controlled by the licensee for purposes of protection of individuals from exposure to radiation and radioactive materials. "Restricted area" shall not include areas used as residential quarters, although a separate room or rooms in a residential building may be set apart as a restricted area. **(10 CFR 60.2)**

Retardation The act or process that reduces the rate of movement of a chemical substance in water relative to the average velocity of the water. The movement of chemical substances in water can be retarded by adsorption and precipitation reactions, and by diffusion into the pore water of the rock matrix.

Risk A measure of a negative or undesirable impact associated with an event.

Risk assessment see also *Baseline Risk Assessment*

Risk assessment, preliminary A risk assessment conducted using conservative assumptions and scenarios and assuming no mitigating or corrective measures beyond those already in place.

Risk characterization The summarization and integration of the results of toxicity and exposure assessments into quantitative and qualitative expressions of risk. The major assumptions, scientific judgments, and sources of uncertainty related to the assessment are also presented.

Risk management Risk management is the integration of risk characterization with other nonscientific considerations specified in applicable statutes to make and justify regulatory decisions. ***(RCRA/CERCLA Update*, June 1992)**

Rinsate Blank See also *Equipment blank.*

Routine analysis The analysis categories of inorganics, metals, organics, radiochemistry and high explosives as defined in the current contract laboratory statement of work.

Routine Data Validation The process of reviewing analytical data relative to quantitative routine acceptance criteria. The objective of routine data validation is two-fold: one objective is to estimate the technical quality of the data relative to minimum national standards adopted by LANL ER; the other objective is to indicate to data users the technical data quality at a gross level by assigning qualifier flags to environmental data whose quality indicators do not meet acceptance criteria.

Sample A portion of a material (e.g., rock, soil, water, air), which, alone or in combination with other samples, is expected to be representative of the material or area from which it is taken. Samples are typically sent to a laboratory for analysis or inspection or are analyzed in the field. When referring to samples of environmental media, the term *field sample* may be used.

Sample matrix In chemical analysis, that portion of a sample which is exclusive of the analytes of interest. Together, the matrix and analytes of interest form the sample.

Screening Action Level (SAL) Medium-specific concentration level for a chemical derived using conservative criteria below which it is generally assumed that there is no potential for unacceptable risk to human health. The derivation of a SAL is based on conservative exposure and land use assumptions. However, if an applicable regulatory standard exists that is less than the value derived by risk-based computations, it will be used for the SAL.

Screening Assessment A process designed to determine whether contamination detected in a particular medium at a site may present a potential unacceptable human health and /or ecological risk. The assessment utilizes screening levels that are either human-health or ecologically-based concentrations derived using chemical specific toxicity information and standardized exposure assumptions below which no additional actions are generally warranted.

Sensitivity An indication of the lowest analyte concentration that can be measured with a specified degree of confidence.

Single blind sample A sample submitted for analysis whose composition is known to the submitter but not to the analyst.

Site characterization The program of exploration and research, both in the laboratory and in the field, undertaken to establish the geological, hydrological, and chemical conditions at a site. Site characterization includes borings, surface excavations, excavation of exploratory shafts, limited subsurface lateral excavations and borings and geophysical testing. **(10 CFR 60.2)**

Site conceptual model A qualitative or quantitative description of sources of contamination, environmental transport pathways for contamination, and biota that may be impacted by contamination (called receptors) and whose relationships describe qualitatively or quantitatively the release of contamination from the sources, the movement of contamination along the pathways to the exposure points, and the uptake of contaminant by the receptors.

Soil gas Those gaseous elements and compounds that occur in the void spaces in rock or soil. Such gases can move through or leave the soil or rock, depending on changes in pressure.

Soil water Water in the unsaturated zone, regardless of whether it occurs in soil or rock.

Solid waste Any discarded material, including any material which is abandoned, recycled, inherently waste-like, or certain military munitions.

Solid waste management unit (SWMU) Any discernible unit at which solid wastes have been placed at any time, irrespective of whether the unit was intended for the management of solid or hazardous waste.

Split sample A sample that has been subdivided into two or more portions expected to be of the same composition. Used to characterize within-sample heterogeneity, sample handling, and measurement variability.

Stakeholder As used in this document, stakeholder refers to any party or agency, whether inside or outside the Laboratory, interested in or affected by Environmental Restoration Project issues and activities.

Standard operating procedure (SOP) A written document that details the method for an operation, analysis, or action with thoroughly prescribed techniques and steps, and is officially approved as the method for performing certain routine or repetitive tasks.

Stratification Classification of the target population into two or more non-overlapping and exhaustive categories (strata) on the basis of characteristics which are known *a priori* for the entire population.

Stratified sample A sample including one or more specimens from each of several subpopulations of the target population. (Note: If the specimens are selected from within each subpopulation using *simple random sampling*, then the sample is called a stratified random sample.)

Stratigraphy The science dealing with the succession, age, composition and history of strata.

Surge layers. The term surge refers to intervals where the tuff was implaced by pyrochlastic surge mechanisms, a highly unsteady and nonuniform depositional regime that results in crystal-rich fines-poor, layered tuff that characterizes the initial stages (ground surge) or final stages (ash-cloud surge) of pyrochlastic flow unit deposition.

Surrogate compound (Surrogate) An organic compound used in the analyses of organic target analytes that is similar in composition and behavior to target analytes but is not normally found in field samples. Surrogates are added to every blank and spike sample to evaluate the efficiency with which analytes are recovered during extraction and analysis.

T**arget analyte** A chemical or parameter, the concentration, mass or magnitude of which is designed to be quantified by use of a particular test method.

Technical area (TA) The Laboratory established technical areas as administrative units for all its operations. There are currently 49 active TAs spread over 43 square miles.

Topography The physical features of a place or region.

Toxic pollutants The 126 individual priority toxic pollutants contained in 65 toxic compounds or classes of compounds (including organic pollutants and metals) adopted by EPA pursuant to Section 307 (a) (1) of the Clean Water Act. **(DOE 1991)**

Transmission loss Reduction in surface water flow by seepage into the channel bed.

Transmissivity A measure of the amount of water that can be transmitted horizontally by the full saturated thickness of the aquifer under a hydraulic gradient of 1. **(DOE 1991)**

Transport or transportation The movement of a hazardous substance by any mode, including pipeline (as defined in the Pipeline Safety Act), and in the case of hazardous substance which has been

accepted for transportation by a common or contract carrier, the term "transport" or "transportation" shall include any stoppage in transit which is temporary, incidental to the transportation movement, and at the ordinary operating convenience of a common or contract carrier, and any such stoppage shall be considered as a continuity of movement and not as the storage of a hazardous substance. **[CERCLA 101(26)]**

Treatment Any method, technique, or process, including elementary neutralization, designed to change the physical, chemical, or biological character or composition of any hazardous waste so as to neutralize such waste, or so as to recover energy or material resources from the waste, or so as to render such waste non-hazardous, or less hazardous; safer to transport, store, or dispose of; or amenable for recovery, amenable for storage, or reduced in volume.

Treatment, storage, and disposal facility (TSDF) Any building, structure, or installation where a hazardous waste has been treated, stored, or disposed. TSD facilities are regulated by EPA and states under RCRA.

Trip blank A sample of analyte-free media taken to the sampling site and returned to the analytical laboratory unopened along with samples taken in the field. Used to monitor cross contamination of samples during handling and storage both in the field and in the analytical laboratory.

Tuff A compacted deposit of volcanic ash and dust that contains rock and mineral fragments accumulated during an eruption.

Ultimate disposal The final disposal of hazardous substances resulting from a removal action. It does not include temporary storage or other temporary measures of managing the waste from a removal action. **(DOE 1991)**

Unconfined Said of water in a saturated zone that is open to the atmosphere (that is, not beneath a confining bed or under artesian pressure).

Underflow Groundwater flow beneath the bed of a non-flowing stream; such water is often perched in the channel alluvium atop the bedrock surface.

Underground storage tank (As defined in Section 9001(1) of the Solid Waste Disposal Act) The term "underground storage tank" means any one or combination of tanks (including underground pipes connected thereto) which is used to contain an accumulation of regulated substances, and the volume of which (including the volume of the underground pipes connected thereto) is 10% or more beneath the surface of the ground. Such term does not include any

(A) farm or residential tank of 1,100 gallons or less capacity used for storing motor fuel for noncommercial purposes;

(B) tank used for string heating oil for consumptive use on the premises where stored;

(C) septic tank;

(D) pipeline facility (including gathering lines) regulated under

i) the Natural Gas Pipeline Safety Act of 1968 (49 USC App. 1671 et seq.),

ii) the Hazardous Liquid Pipeline Safety Act of 1979 (49 USC App. 2001 et seq.), or

iii) which is an intrastate pipeline facility regulated under state laws comparable to the provisions of law referred to in Clause (i) or (ii) of this subparagraph;

(E) surface impoundment, pit, pond, or lagoon,

(F) storm water or waste water collection system;

(G) flow-through process tank;

(H) liquid trap or associated gathering lines directly related to oil or gas production and gathering operations; or

(I) storage tank situated in an underground area (such as a basement, cellar, mine working, drift, shaft, or tunnel) if the storage tank is situated upon or above the surface of the floor.

Unrestricted area Any area, access to which is not controlled by the licensee for purposes of protection of individuals from exposure to radiation and radioactive materials and any area used for residential quarters. **(10 CFR 60.2)**

Unsaturated zone The zone between the land surface and the regional water table. Generally, fluid pressure in this zone is less than atmospheric pressure, and some of the voids may contain air or other gases at atmospheric pressure. Alternatively, the unsaturated zone generally has moisture contents less than saturation.

Water balance The relationship between water input (precipitation) and output (runoff, evapotranspiration, and recharge) in a hydrological system; the portioning of precipitation into these components of the hydrological cycle.

Water content (see also ***gravimetric moisture content***) The amount of water in an unsaturated medium, expressed as the ratio of the weight of water in a sample to the weight of the oven-dried sample; often expressed as a percent.

Water table The top of the saturated zone; the water level associated with an unconfined aquifer.

Welded Tuff A volcanic deposit hardened by the action of heat, pressures from overlying material, and hot gases.

APPENDIX B. OPERATIONAL AND ENVIRONMENTAL SETTING

This appendix provides background information on TA-16, derived from the RFI work plan for Operable Unit 1082 (LANL 1993, 20948) and new information that has been obtained since the work plan was submitted in 1993. Sections B-1.0 through B-4.0 of the appendix provide a foundation for the conceptual geologic/hydrologic model in Section B-4.3. This model pictorially summarizes environmental factors that are likely to influence contaminant migration at TA-16. Therefore, the model is a framework for consideration of remediation alternatives, conceptual exposure models for use in risk assessment, and SWMU-specific sampling plans. Section B-5.0 provides information on biological resources that may be used in formulating decisions that incorporate ecological considerations.

B-1.0 GEOGRAPHIC SETTING, OPERATIONAL HISTORY, AND FUTURE LAND USE

TA-16 and associated TAs (11, 13, 24, 25, 28, 29, 37) are located in the southwestern corner of the Laboratory (Figure B-1.0-1, Figure B-1.0-2). TA-16 contains 2410 acres or 3.8 square miles. The land is a portion of that which was acquired by the Department of Army for the Manhattan Project in 1943. It was used prehistorically by the ancestral Indians of the Pajarito Plateau, and prior to World War II, for farming and a sawmill operation. TA-16 is bordered by Bandelier National Monument along New Mexico (NM) State Highway 4 to the south and the Santa Fe National Forest along NM State Highway 501 to the west (Figure B-1.0-1). To the north and east, it is bordered by TAs 8, 9, 14, 15, and 49. TA-16 is fenced and posted along NM State Highway 4 (Figure B-1.0-2). Water Canyon, a 200-ft-deep ravine with steep walls, separates State Highway 4 from active sites at TA-16. Cañon de Valle forms the northern border of TA-16. Security fences surround the HE production facilities.

TA-16 was established to develop explosive formulations, to cast and machine explosive charges, and to assemble and test explosive components for the U.S. nuclear weapons program. The work performed at TA-16 was conducted in support of the development, testing, and production of explosive charges for the implosion method. Present-day and future use of this site is essentially unchanged, although facilities have been upgraded and expanded as explosive and manufacturing technologies have advanced.

B-2.0 CLIMATE

Los Alamos County has a semiarid, temperate, mountain climate with four distinct seasons. Spring tends to be windy and dry. Summer begins in June with warm, often dry, conditions followed by a two-month rainy season. Autumn brings a return to drier—as well as cooler and calmer—weather, and in winter mid-latitude storms drop far enough south to keep the ground covered with snow for about two months. Summers are generally sunny with moderate, warm days and cool nights. High altitude, light winds, clear skies, and dry atmosphere allow mean summer temperatures to range from 60°F to 68°F at TA-16. Winter mean temperatures typically range from 30°F to 37°F.

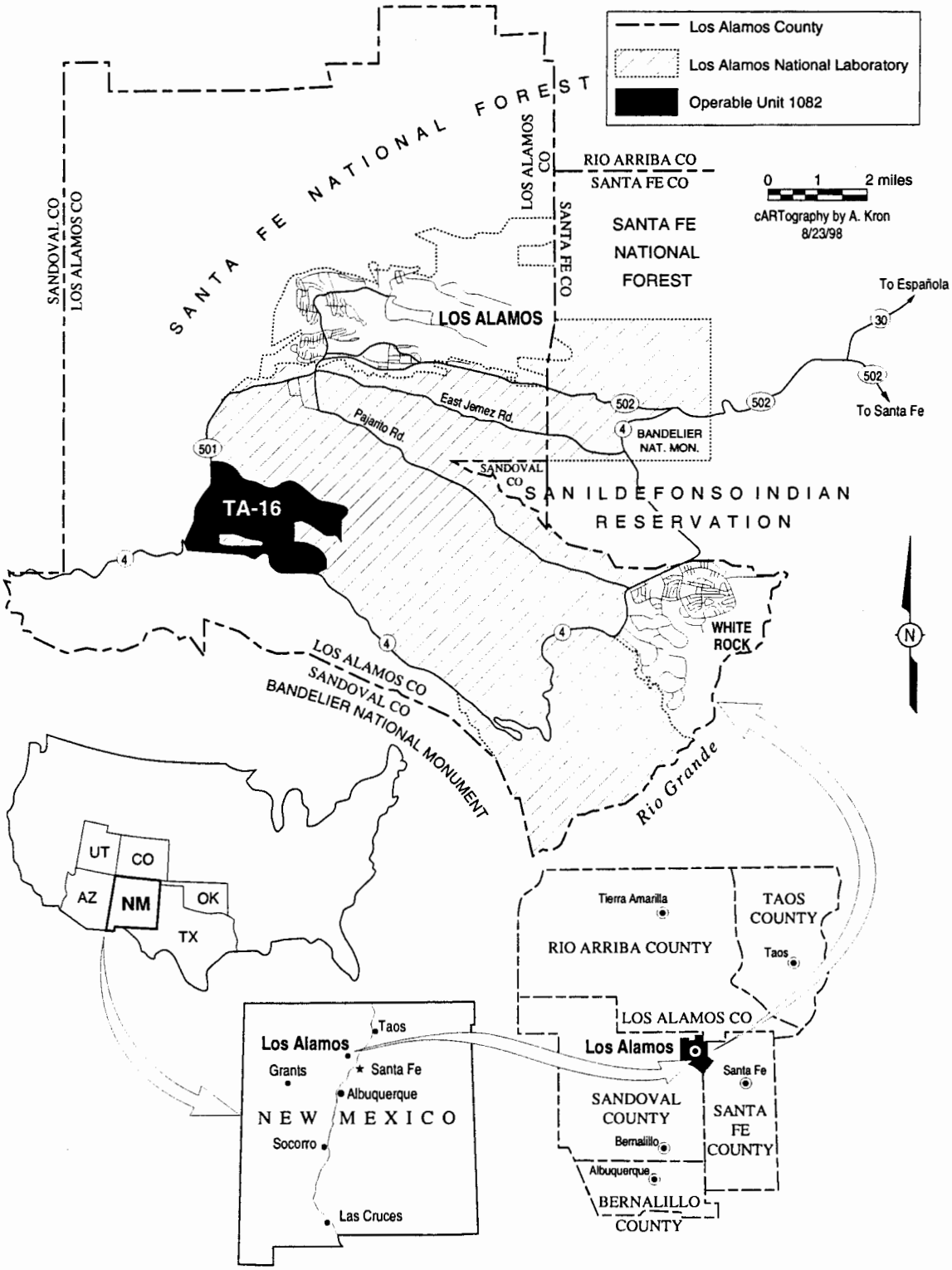


Figure B-1.0-1. Location of TA-16

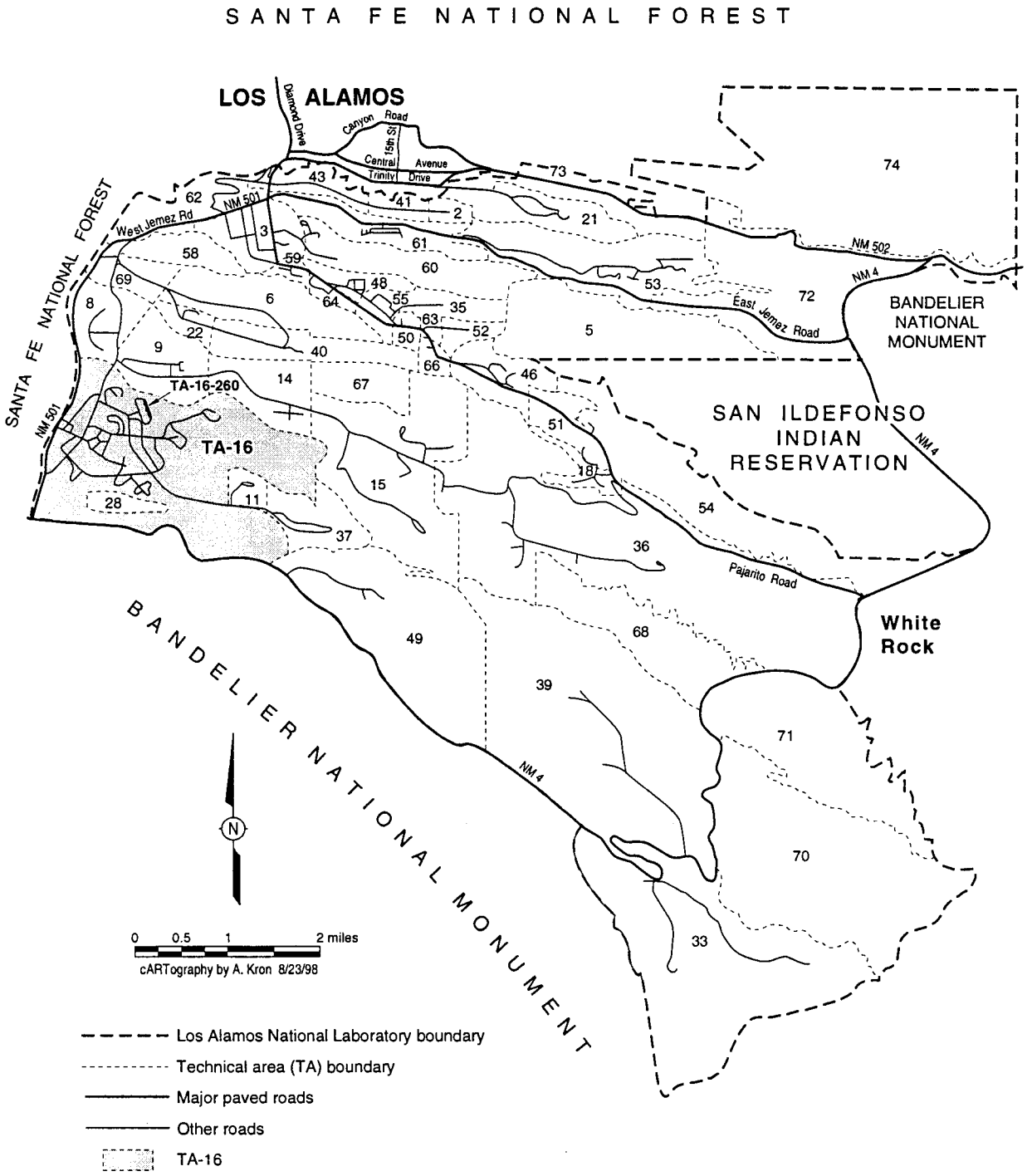


Figure B-1.0-2. Location of TA-16 with respect to Laboratory technical areas and surrounding landholdings; Building 16-260 is also shown

B-2.1 Atmospheric State

In July, the warmest month of the year, the temperature ranges from an average daytime high of 27.2°C (81°F) to an average nighttime low of 12.8°C (55°F). The highest recorded daytime temperature is 35°C (95°F). In January, the coldest month, temperatures range from an average daytime high of 4.4°C (40°F) to a nighttime low of -8.3°C (17°F). The lowest recorded temperature is -27.8°C (-18°F). The wide range in temperatures results from the area's relatively dry, clear atmosphere, which allows strong solar heating during the daytime and rapid radiative cooling at night.

Average atmospheric pressure in Los Alamos is 58.22 cm (22.92 in.) of mercury (776 mb), which is 76% of standard sea-level pressure. Average near-surface air density, calculated on the basis of the mean pressure and temperature at the TA-6 station, is 0.958 kg/m^3 (0.06 lb/ft^3).

Although relative humidity can vary considerably over 24 h, monthly average values vary little during the year. Relative humidity ranges from a low of 3% in June to a high of 56% in December, averaging 51% over the year. Absolute humidity, measured as the amount of water per volume of air, is a better indicator of atmospheric moisture content. It ranges from a low of 2.4 g/m^3 (1.5 x 10^{-4} lb/ft^3) in January to a high of 8.7 g/m^3 (5.4 x 10^{-4} lb/ft^3) in July and August. Consequently, fog is very rare in Los Alamos, occurring on average less than five times a year.

B-2.2 Precipitation

Average annual precipitation (rainfall plus the water equivalent of frozen precipitation) for the Los Alamos area is 47.6 cm (18.7 in.). However, the annual total fluctuates considerably from year to year; the standard deviation of these fluctuations is 12.2 cm (4.8 in.). The lowest recorded annual precipitation is 17.3 cm (6.8 in.), and the highest is 77.1 cm (30.3 in.). Maximum precipitation records are 8.8 cm (3.5 in.) for a 24-h period and 2.3 cm (0.9 in.) for a 15-min period. Because of the eastward slope of the terrain, there is a significant east-to-west increase in precipitation across the plateau. White Rock, on the eastern edge, often receives 13 cm (5.1 in.) less annual precipitation than does the official meteorological station, whereas the flanks of the Jemez Mountains, on the western edge, often receive 13 cm (5.1 in.) more. Figure B-2.2-1 shows annual precipitation in the area of TA-59 between 1911 and 1988.

About 36% of the annual precipitation comes from convective storms during July and August. Most of these storms are of the single-cell type (local conditions do not support the development of supercells and the severe weather associated with them). This period of maximum precipitation is often referred to as the "monsoon" season, even though it lacks the signature of true monsoon circulation—namely, large and persistent changes in wind direction. A more accurate characterization would probably be "rainy season."

Lightning is very frequent in Los Alamos, where an average year has 61 thunderstorm days (days on which thunder is heard or a thunderstorm occurs), which is about twice the national average. Only in the southeastern part of the country is this frequency exceeded. In addition to lightning, hail often accompanies these summertime convective storms. Hailstones of 0.6 cm (0.35 in.) are common, but stones of 2.54 cm (1 in.) have been reported. Hail can cause significant damage to property and vegetation, and localized accumulations of 7.6 cm (3 in.) have been observed.

Winter precipitation occurs mostly as snow; freezing rain is rare. The snow is generally dry (on average, 20 units of snow is equivalent to 1 unit of water). Annual snowfall averages 150 cm (59 in.), but amounts can

vary significantly from year to year. The standard deviation of fluctuations in the annual value is 71 cm (28 in.). The highest recorded snowfall for one season is 389 cm (153 in.) and that for a 24-h period is 56 cm (22 in.). In a typical winter season, snowfalls equal to or exceeding 2.6 cm (1 in.) occur on 14 days, and snowfalls equal to or exceeding 10.2 cm (4 in.) occur on 4 days. The highest recorded snowfall for a single storm is 122 cm (48 in.).

B-2.3 Wind Conditions

Winds in Los Alamos are generally light, having an annual average speed of 2.5 m/s (5.5 mph) at the TA-6 station. The period from mid-March to early June is generally the windiest: daytime wind speeds exceed 4 m/s (8.8 mph) 20% of the time, and daily maximum wind gusts exceed 14 m/s (31 mph) 20% of the time. The highest recorded wind gust is 34.4 m/s (77 mph). High winds are associated with passing fronts, thunderstorms, and mid-latitude storm systems. No tornadoes are known to have touched ground in the Los Alamos area; however, funnel clouds have been observed in Los Alamos and Santa Fe counties.

Prevailing wind direction in the western sections of the Laboratory is primarily from the south during the day and the west at night. Wind roses for TA-50, which has been chosen to represent the western portions of the lab, are shown in Figure B-2.3-1. Wind was measured at heights of (left) 37 ft and (right) 300 ft above the ground surface.

B-2.4 Energy Exchange at the Surface

Solar irradiance measurements show that Los Alamos receives more than 75% of possible sunshine annually. (Possible sunshine is defined as the total amount that would be received if the sky were cloud-free all year.) During most of the year, when there is no snow on the ground, about 80% of this incoming solar energy is absorbed at the surface; about half of the absorbed short-wave energy is offset by a net loss of long-wave radiation to space. The remainder of the radiant energy, called "net all-wave radiation," is dissipated as it heats the soil, heats the lower layer of the atmosphere, and evaporates water from the soil and from plants (evapotranspiration). Preliminary analyses suggest that monthly total evapotranspiration is highest in July, when it reaches about 6.4 cm (2.5 in.). Monthly totals during the winter months are less than 0.6 cm (0.25 in.). Total annual evapotranspiration, measured at TA-6, varies little from year to year and is equal to approximately 90% of the average annual precipitation.

B-3.0 GEOLOGY

TA-16 and adjacent areas are situated on mesa tops and upper canyon slopes of the generally eastward-dipping Pajarito Plateau. The operations area at TA-16 is bounded on the north and south, respectively, by Cañon de Valle and Water Canyon. Cañon de Valle joins Water Canyon at the east end of TA-16, approximately 3 mi [4.8 km] east of the operational areas at TA-16 (Figure B-3.0-1). Water Canyon drains into the Rio Grande approximately 7 mi [11.2 km] east of TA-16. The 260 outfall discussed in this report comprises a small tributary canyon located on the south rim of Cañon de Valle. The elevation ranges from about 7550 ft at the top of the PRS to 7438 ft where the drainage from the outfall enters Cañon de Valle.

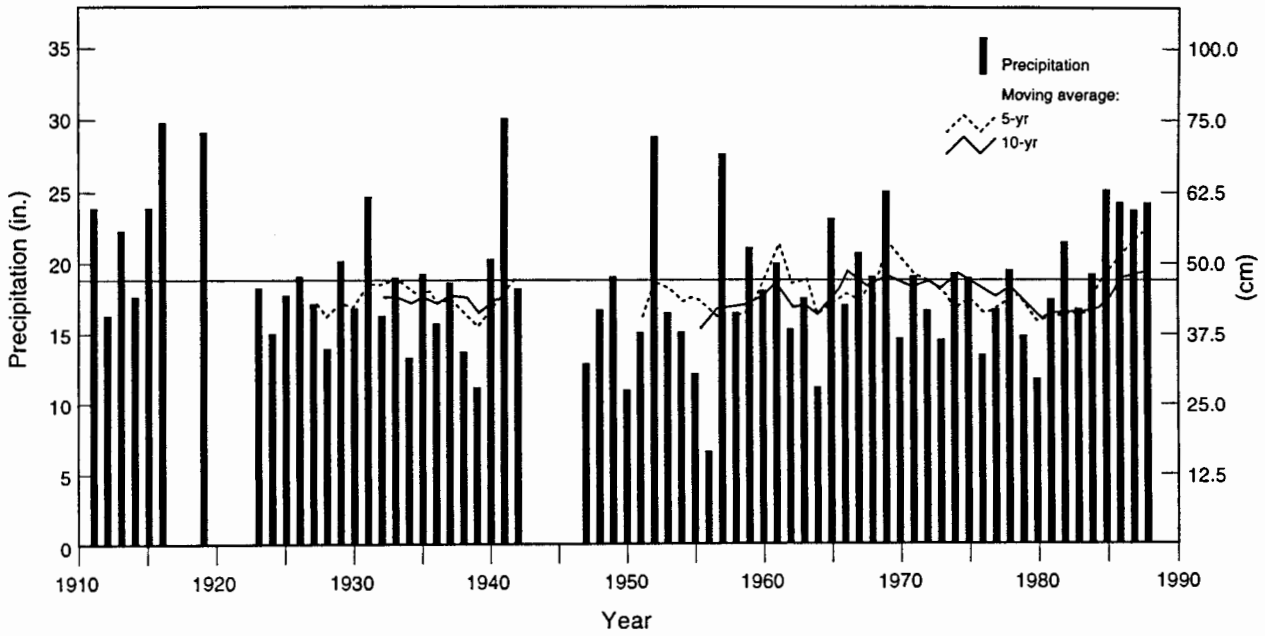


Figure B-2.2-1. Historical annual precipitation at TA-59 (Bowen, 1990, 06899)

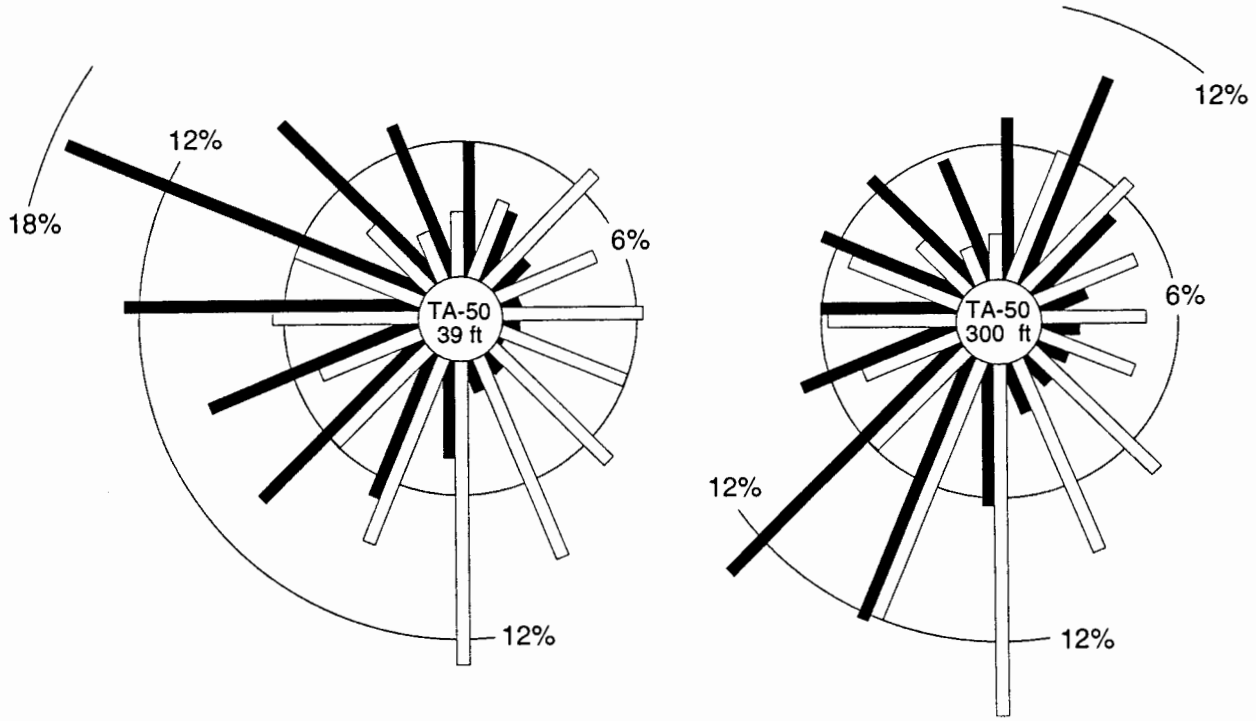


Figure B-2.3-1. Annual daytime and nightime wind roses for TA-50; wind was measured at heights of about (a) 39 ft (12 m) and (b) 300 ft (91 m) above the surface (Bowen, 1992, 12016.1)

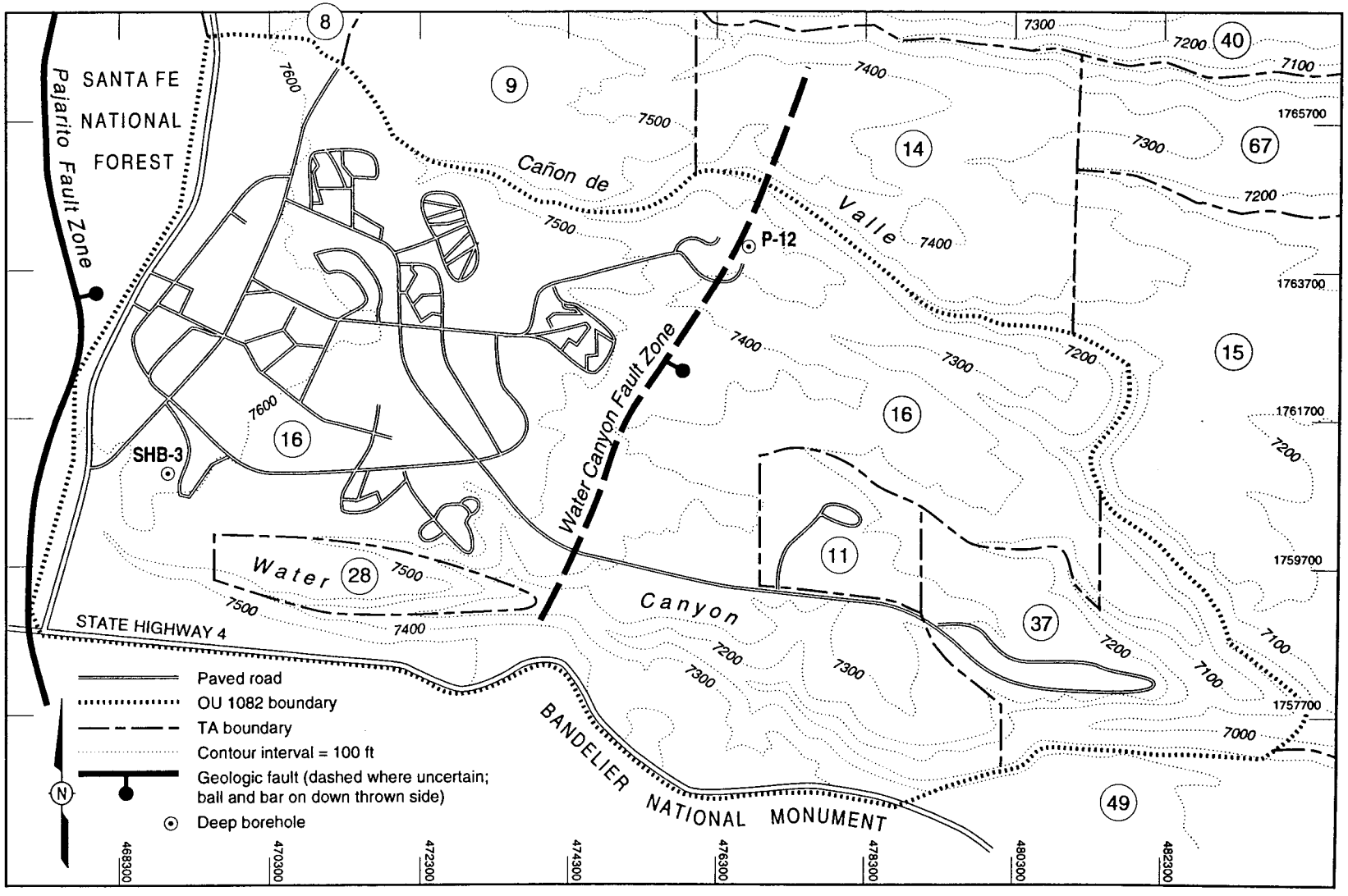


Figure B-3.0-1. Topography and structural geology of TA-16 and surroundings

B-3.1 Geologic Setting

General

A detailed discussion of general geology of the entire Los Alamos area can be found in Section 2.4.1 of the IWP (LANL 1996, 55574). This section integrates information on the geologic setting from Section 3.4 of the RFI work plan for OU 1082 with new information on the geologic setting of OU 1082 that has been obtained since the work plan was completed (Section 4). Because the stratigraphic nomenclature for LANL has been formalized since completion of the work plan, Tschirege subunit names are not consistent between these two sections.

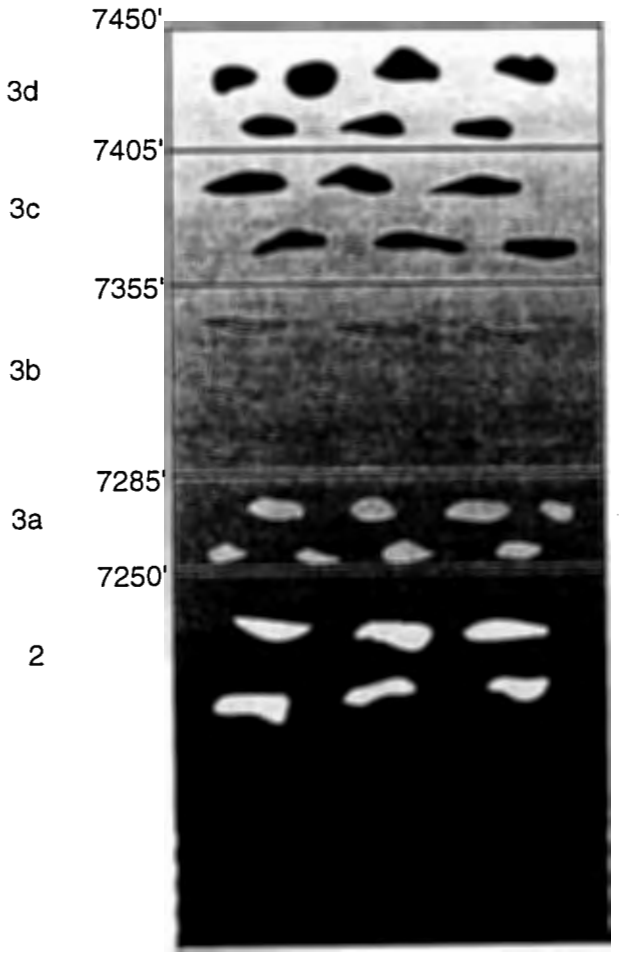
The mesa surfaces of TA-16 are immediately underlain by the Bandelier Tuff of Pleistocene Age, which outcrops in a few places on the mesa tops and is exposed in canyon walls. Stratigraphic relations within TA-16 are inferred from shallow and deep core holes, logs of which are depicted in Figure B-3.1-1 and Figure B-3.1-2.

A series of 17 shallow boreholes was drilled in the vicinity of the Area P during the summer of 1987 (Brown et al. 1988, 06871, pp. 3–4). Drilling depths ranged from 35 to 205 ft. Borehole logging of lithologies was done based on four characteristics of the tuff: (1) color, (2) degree of welding, (3) shape and abundance of pumice lapilli, and, (4) distribution of lithic fragments. Two major units called Unit 3 and Unit 2 were logged, as were four subunits within Unit 3 (Brown et al. 1988, 06871, pp. 3–5). A composite stratigraphic log for the Area P landfill area is provided in Figure B-3.1-1. Subsequently, detailed lithology descriptions of the cores were made. In general, Bandelier Tuff units surrounding and underlying Area P range from welded to moderately welded, yellowish-brown to gray tuff containing abundant porphyritic quartz latite, to gray to red rhyolitic lithic fragments. Mapped Unit 3d is overlain locally by El Cajete pumice.

A deep borehole (SHB-3) was drilled at TA-16 in November 1991 as part of the Laboratory's Seismic Hazards Program. The drilling site is located in the southwest corner of TA-16 (Figure B-3.0-1) with a total accessible depth of 860 ft. Core recovery from this drill hole was nearly 70%. The stratigraphy of this hole is depicted in Figure B.3.1-2 and summarized below (Gardner et al. 1993, 12582).

Borehole SHB-3 penetrates the Tshirege Member of the Bandelier Tuff in its uppermost 335 ft. At this locality, the Tshirege Member is over 95% welded tuff, primarily densely welded material. Cooling breaks between subunits of the tuff are few, with one at a depth of 60 ft and another at a depth of 230 ft. Examination of the core of SHB-3 and lithologic descriptions of core drilled near the burning ground suggest that the cooling break at 230 ft in SHB-3 probably correlates with the top of Unit 3a (Brown et al. 1988, 06871, p. 5). The lowermost 15 ft of the Tshirege Member in this hole apparently contains the non-welded base of this unit and an unknown thickness of Tsankawi pumice.

Underlying the Tshirege Member of Bandelier Tuff is an almost 100-ft-thick sequence of unconsolidated sands and sandy gravels. These units are lithologically identical to the older Puye Formation and represent epiclastic alluvial deposits shed off the Sierra de los Valles dacite highlands during the hiatus between eruption of the Otowi and Tshirege Members of the Bandelier Tuff. Interbedded with this epiclastic sequence is a coarse, sand-sized pumice fall deposit containing obsidian fragments. This unit is probably genetically related to the Rabbit Mountain Tuff of the Cerro Toledo rhyolite. An unconsolidated alluvial unit such as this would be a likely site for a perched aquifer.



Lithologic description

Moderately welded, yellowish-brown tuff with rare pebble-sized rhyolite lithic fragments and common pumice fragments

Moderately welded brownish-grey to yellowish-brown tuff with common grey pumice lapilli (noticeably flattened) and rare pebble-sized lithic fragments. Clay-filled fractures

Welded pale yellowish-brown tuff w/common grey & red pumice lapilli (noticeably flattened) and rare pebble-sized rhyolite lithic fragments. Weathers to dark brown with clayey pumice lapilli in northwest

Welded dark yellowish-brown tuff with rare pumice lapilli (slightly flattened) and abundant pebble-sized quartz latite

Welded to densely welded tuff, light grey to pinkish grey, common pumice lapilli and pebble-sized rhyolite fragments

Figure B-3.1-1. Composite lithologic log of Area P coreholes (Brown et al. 1988, 06871.1)

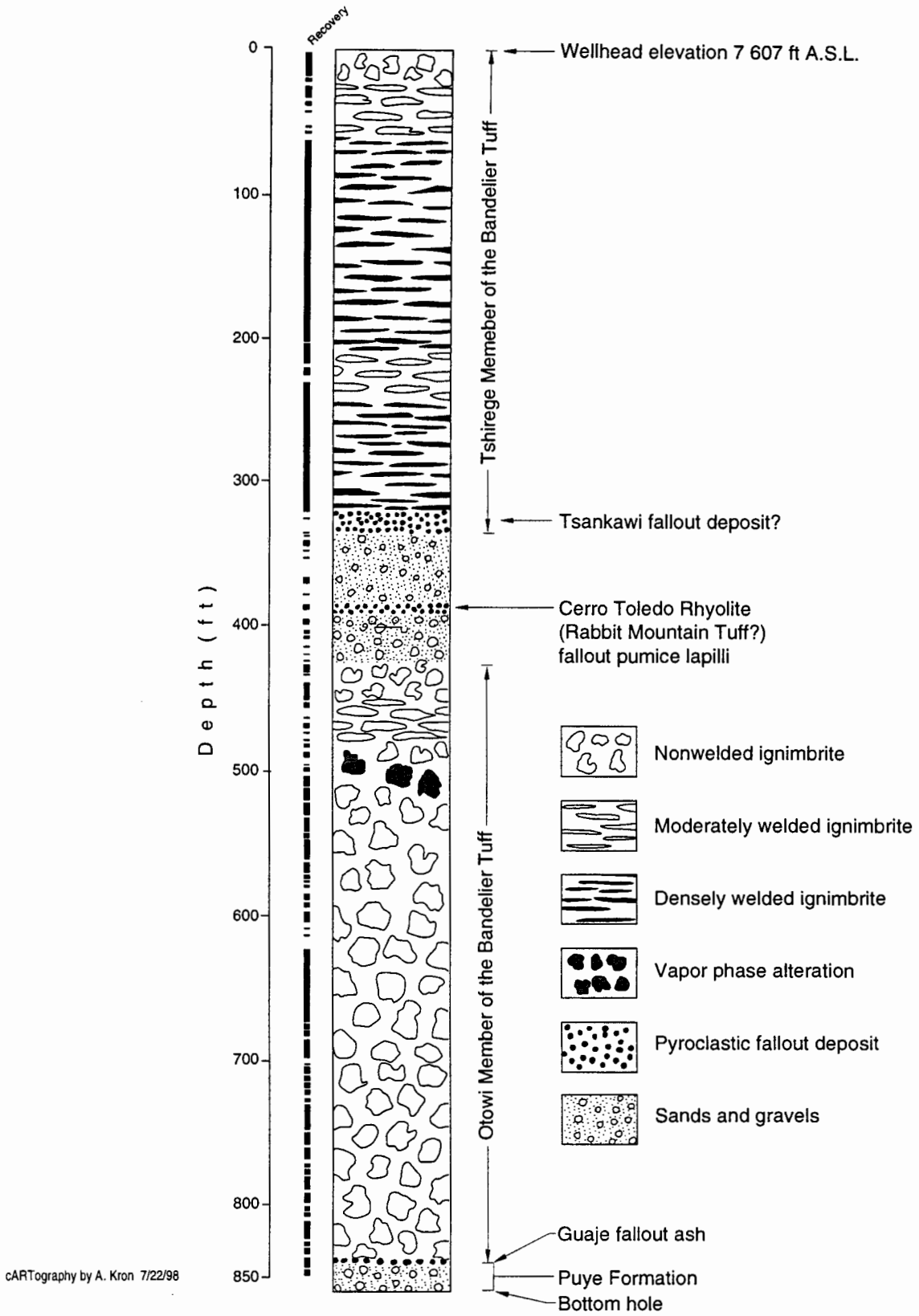


Figure B-3.1-2. Graphic lithologic log for corehole SHB-3 (Gardner et al. 1993, 12582)

The Otowi Member of the Bandelier Tuff extends from about 424 to 839 ft in SHB-3. It consists almost entirely of non-welded tuff with a zone of minor welding from 450 to 480 ft. The Guaje pumice unit is only one foot thick at the base of the Otowi Member in SHB-3.

Puye Formation sands and boulder-rich gravels underlie the Otowi Member from a depth of 839 ft to the bottom of the drill hole. Cobbles and clasts of these epiclastic alluvial deposits consist primarily of dacitic lithologies of the Tschicoma Formation in the Sierra de los Valles. The main aquifer lies within the lower Puye Formation and the Santa Fe Group at a likely depth of greater than 1000 ft.

Bandelier Tuff Stratigraphy

Significant additional information about the geology of TA-16 has become available during the last 4 years (described below), resulting in the adoption of the lab-wide stratigraphy of Broxton and Reneau (1995, 49726). Based on elevation data, Unit 3d of Brown et al. (1988, 06871, p. 5) appears to correspond to Unit 4 (Qbt4) of Broxton and Reneau, Units 3a through 3c of Brown correspond to Broxton and Reneau's Unit 3 (Qbt3) , and Unit 2 of Brown et al. (1988, p. 5) corresponds to Unit 2 (Qbt2) of Broxton and Reneau. Recent mapping has also provided additional insights into the presence of surge bed and vitric units within the Tschirege Member of the Bandelier Tuff directly underlying TA-16.

Operational areas at TA-16 are located on the mesa tops, which are composed of Unit 4 (Qbt4) and Unit 5 (Qbt5), depending on location (see Section 4.4.11) of the Tshirege Member of the Bandelier Tuff. Unit 3 (Qbt3) of the Tshirege Member of the Bandelier Tuff crops out on the mesa tops at the east end of TA-16 and in the bottoms and walls of Cañon de Valle and Water Canyon. Correlation of recent mapping at Material Disposal Area P (MDA P) with the recently released bedrock geologic map of Rogers (Rogers 1995, 54419.1) and detailed core descriptions (Appendix G) suggest that mesa-top portions of TA-16 are underlain by approximately 80-110 ft of Unit 4 of the Tshirege Member of the Bandelier Tuff. Geologic cross-sections for the 260 outfall area are provided in Figures 4.4-3, 4.4-4, and 4.4-5 of Section 4.

At MDA P, Qbt4/5 is a lithologically complex unit consisting of the following material in ascending order: (1) a poorly indurated, white to light gray, nonwelded ignimbrite; (2) an indurated, light tan, nonwelded, cliff-forming tuff overlain by a broad bench; (3) a varicolored, nonwelded, cliff-forming tuff with devitrified base and a 10-ft-thick glassy upper part; (4) a crystal-rich surge bed up to 1 ft thick; and (5) a hard, densely welded tuff that forms the caprock for the mesa (Broxton et al. 1996, 54948). The latter subunit correlates with Unit Qbtf (Qbt5) and the first 3 units correlate with Unit Qbte (Qbt4) of Rogers (Rogers 1995, 54419). The crystal-rich surge bed was mapped by Rogers as the boundary between her Units Qbte and Qbtf. This high-permeability sandy parting may represent a possible perched zone—provided it also overlies a low-permeability zone. Examination of this contact in the walls of Cañon de Valle and examination of cores drilled in the vicinity of TA-16-260 suggests that the surge bed is discontinuous. The Rogers subunit Qbte contains a unit characterized by horizontal fractures that also may represent a possible perched-flow pathway.

The Qbt3 in Cañon de Valle that is adjacent to MDA-P consists of two hard, pinkish-brown, partially to moderately welded, cliff-forming ignimbrites that are separated by a soft, pinkish-orange, nonwelded, slope-forming tuff. The uppermost subunit within Unit 3 contains significant horizontal fractures.

Detailed information about the mineralogy, modes, whole-rock chemistry, and outcrop characteristics of Unit 3 and Unit 4/5 at TA-16 are provided in Broxton et al (1996, 54948) and also in Section 4 of this report.

B-3.1.1 Structure

Two major faults with a significant component of vertical offset may exist in the vicinity of TA-16. The first is the Frijoles segment of the Pajarito fault zone, located west of the western boundary of TA-16. This segment has the greatest vertical displacement of the Pajarito fault system in the Los Alamos area, with down-to-the-east displacement ranging up to 400 ft during the last 1.1 million years (Gardner and House 1987, 06682) (Figure B-3.0-1).

The Water Canyon fault, which is mapped as passing through the TA-16 Burning Ground (Figure B-3.0-1), is inferred in the subsurface from interpretation of seismic lines (Dransfield and Gardner 1985, 06612). It is unlikely that the fault breaks units of the Bandelier Tuff. Unpublished mapping south of TA-16 (Hickmott 1993, 58907) suggests that the fault does not break the surface south of Water Canyon along its projected trace. Broad zones of intense fracturing superimposed on primary cooling joints are associated with major faults in the Los Alamos region (Vaniman and Wohletz 1990, 09995). Analogous clay-filled vertical fractures were mapped in Subunit 3c (Brown et al. 1988, 06871, p. 5). Unlike cooling joints, such tectonic fractures are likely to cross flow units and may provide a deeply penetrating flow path for groundwater migration.

Recent drilling in the TA-16-260 outfall area has revealed significant numbers of clay-lined fractures at a depth of greater than 70 ft beneath the mesa surface. These fractures appear to be concentrated in the lower portions of Unit 4 (QBt4). They may represent a potential pathway for contaminant migration at TA-16.

No fracture density map has yet been completed for TA-16. The nearest technical area to TA-16 for which such a study has been completed is TA-67, the former site of the proposed mixed-waste disposal facility.

B-3.2 Soils

A detailed discussion of soils and colluvium in the Los Alamos area can be found in Section 2.4.1.3 of the IWP (LANL 1996, 55574).

Alluvium and Colluvium

Surficial deposits on the plateau surface of TA-16 consist of coarse-grained colluvium on steep hill slopes and along the bases of cliffs, finer-grained alluvial and colluvial sediments with a thin cover of eolian sediments on the flatter parts of mesa surfaces, and alluvial to colluvial fan deposits at the mouths of steeper drainages or on escarpments related to post-Bandelier faulting. Deposits in the major canyons (Cañon de Valle and Water Canyon) consist of colluvial materials on and at the base of cliffs and canyon walls, representing large volume mass wasting, and fluvial sediments deposited by intermittent streams along the axes of canyon floors.

A trench more than 100 ft long by 10 ft deep was excavated within TA-16 during June 1992 as part of the Laboratory's Seismic Hazards Program. The trench exposed colluvial wedges derived from the Sierra de los Valles west of the Pajarito fault system. At least four major colluvial deposits, each overlain by a soil horizon, are exposed in the trench. The underlying colluvial unit is 4 ft thick and tapers westward. It is overlain by a well-developed paleosol horizon, which is overlain in turn by a second, thinner (up to 3 ft) colluvial wedge consisting of coarse-grained poorly-sorted El Cajete pumice fragments.

Soil

The nature and thickness of soils at TA-16 may influence the transport of hazardous contaminants in the local environment. Soil mineralogy, permeability, grain size, organic content, and chemistry are all factors that may impede or enhance the movement and concentration of individual hazardous constituents within the operable unit.

Soils in Los Alamos County were mapped and described by Nyhan et al. (1978, 05702). The soils were all formed in a semiarid climate and include material derived from Bandelier Tuff bedrock. Table B-3.2-1 and Figure B-3.2-1 show the spatial distribution and nature of soils at TA-16 (Nyhan et al. 1978, 05702).

Table B-3.2-1

Spatial Distirbution and Nature of Soils at TA-16

Abbreviation	Name	Location	Permeability	Water Holding	Thickness
TC	Typic Eutroboralfs skeletal	Administration area	Low	Low	46–122+ cm
TS	Typic Eutroboralfs fine	260-Line, 340-Line	Low/Moderate	Medium	51–94 cm
TO	Tocal very fine sandy loan	Burning ground, WWII area	Low/Moderate	Low	28–36 cm
TR	Typic Ustorthents	South TA-16	Moderate	Low	15–35 cm
PG	Pogna fine sandy loam	Scattered	Moderate/high	Low	13–30 cm
TV	Totavi gravelly loam	Scattered	Very high	Low	0–152 cm
SA	Sanjue-Arriba complex	Rare-east	High/very high	Very low	46–153 cm
FR	Frijoles very fine sandy loam	East S-Site	Very high in subsoil	Very low	46–152+ cm
CR	Carjo loam	TA-37	Moderate	Medium	51–102 cm

A wide variety of soil types occur at TA-16 (Table B-3.2-1, Figure B-3.2-1). These include Typic Eutroboralfs (both clayey-skeletal and fine), Tocal very-fine sandy loam, Frijoles very-fine sandy loam, Pogna fine sandy loan, Totavi gravelly loam, Sanjue-Arriba complex, Carjo loam, and Rabbit-Tsankawi rock outcrop. These soil units grade into outcrops of Bandelier Tuff along the margins of the mesa tops. Soils are generally thicker in the western portions of TA-16 (Figure B-3.2-2).

A recent study of soils on the north and south slopes of Cañon de Valle near the TA-16 burning ground recognized nine soil profiles in a soil zone previously characterized as Tocal very fine sandy loam (Nyhan et al. 1978, 05702). This work suggests that (1) soil horizons ranged from 40 to 237 cm in depth; (2) soils are poorly developed and consist of A-R, A-Bw-R, or A-Bw-C soil profiles; (3) soils are classified as Lithic Ustorthents, Typic Haplumbredt, Cumulic Haplumbredt, Typic Ustochrept, and Udic Paleoustalf; and (4) elevated barium was identified in near-surface soils, probably due to air dispersal of barium at the TA-16; burning ground (McDonald et al. 1996, 54827, pp. 28–30). Typical soil sections at TA-16 are shown in Figure B-3.2-2.

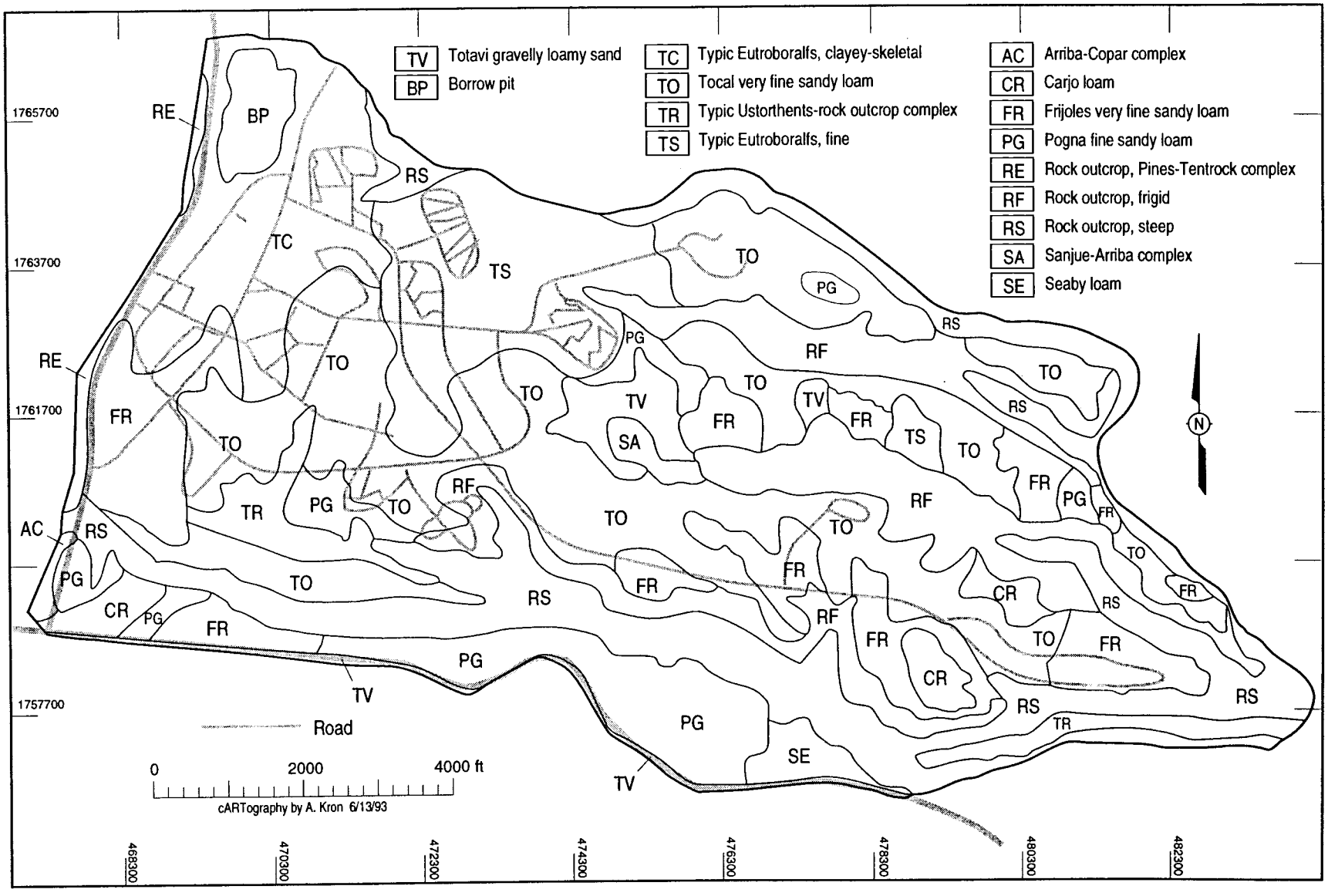


Figure B-3.2-1. Soil map for TA-16 (Nyhan et al. 1978, 05702)

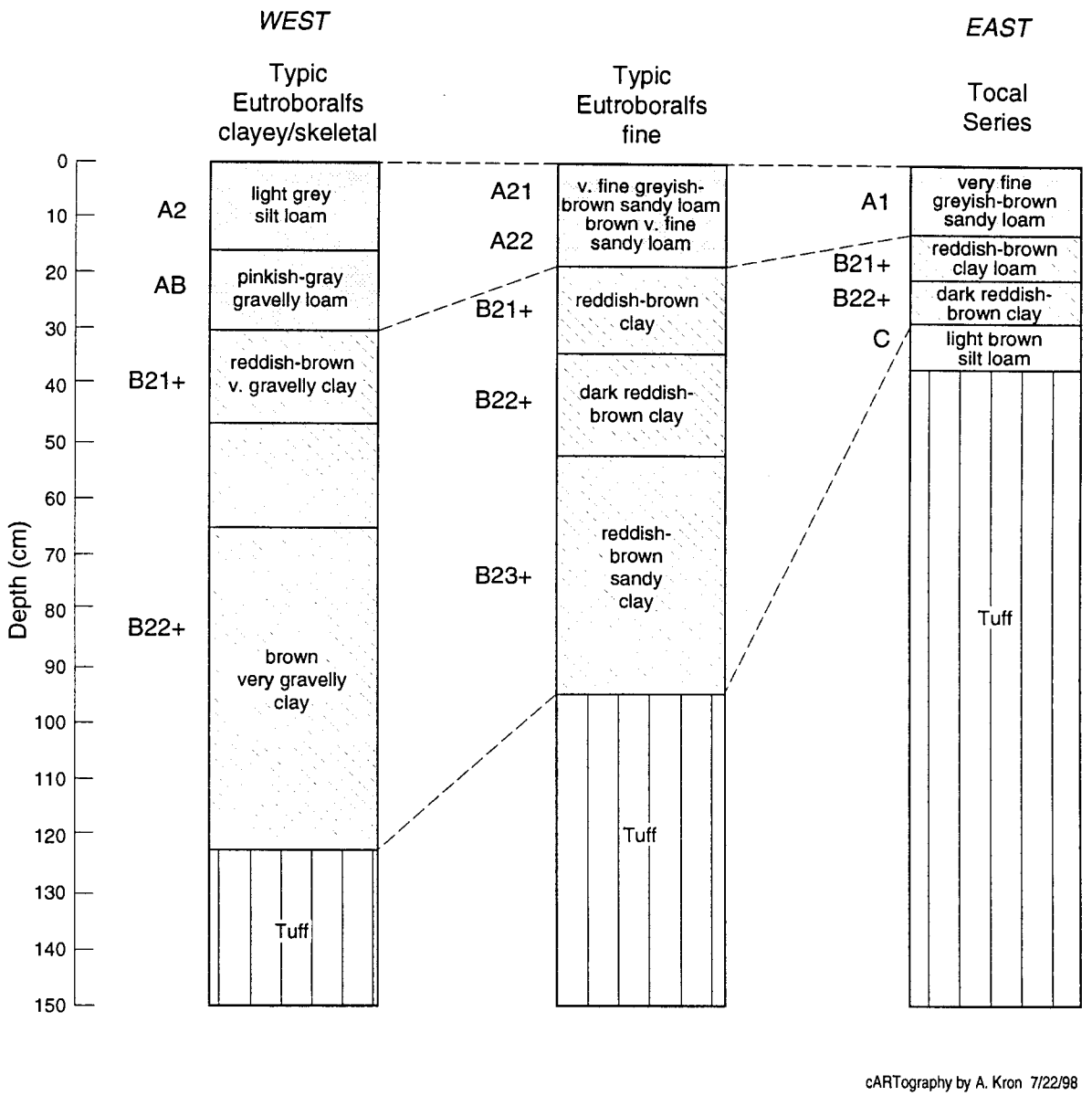


Figure B-3.2-2. Typical sections of common soils at TA-16 (Nyhan et al. 1978, 05702)

B-3.3 Erosional Processes

Erosion on the mesa tops in TA-16 is caused primarily by shallow runoff on the relatively flat mesa surfaces, by deeper runoff in channels cut into the mesa surfaces, and by rock falls and colluvial transport from the steep canyon walls. Erosion within the canyon bottoms occurs primarily by channelized flow along stream courses on the canyon floors.

Erosion of colluvial materials may occur as: (1) small masses of material that tumble down canyon walls, (2) small debris flows that issue from the mouths of subsidiary channels to the main canyon drainages, or (3) slides of large, relatively coherent landslide blocks from the steeper mesa edges.

Contaminants stored in sediments on mesa tops may be transported into the canyons, and potentially off site, by large-scale runoff events on the mesa surfaces, or may be carried in large masses of rock and debris as they slide down valley walls into the canyon bottoms. Contaminated sediments in the canyon bottoms are most likely to be transported off site in major runoff events. Waste sites in TA-16 most likely to be susceptible to off-site mobilization are those that lie close to the edges of mesas or near active channels in canyon bottoms.

B-4.0 HYDROLOGY

The hydrology of the Pajarito Plateau is summarized in Section 2.4.2 of the IWP (LANL 1996, 55574). Site-specific conditions are summarized below.

The shallowest depth to the regional aquifer at TA-16 is unknown. Shallow perched aquifers at TA-16 are present and appear to be very heterogeneous. Three perennial springs and two seeps have been identified within TA-16 (Figure B-4.0-1). Several moderate-depth (up to 200 ft) boreholes drilled at the TA-16 burning ground near MDA P (Figure B-3.0-1) did not encounter a saturated zone. Thirteen moderate-depth boreholes drilled near the TA-16-260 (Section 2) outfall in fiscal year 1997 did not encounter a perennial saturated zone. Moderate-depth boreholes drilled near Martin Spring and 90s Line Pond encountered saturated zones that dried up one month after drilling (Section 4). Well SHB-3, which is located on the western side of TA-16 (Figure B-3.0-1), contained perched water at a depth of 664 ft in 1993. The depth to the regional aquifer at TA-16 is estimated to be greater than 1000 ft.

B-4.1 Surface Water

Surface water runoff and infiltration into soil are the most important hydrologic transport pathways at TA-16. Both high explosives (HE) and barium, the principal contaminants at TA-16, are moderately to strongly soluble (Layton et al. 1987, 14703; Brown et al. 1992, 59094), and thus may be transported in surface water. Aspects of the surface hydrology at TA-16 that may be relevant to contaminant transport include (1) the location of pathways of surface water runoff and associated sediment deposition; (2) rates of soil erosion, transport, and sedimentation; (3) the effects of operational disturbances on surface hydrology; (4) the relative importance of surface runoff versus infiltration as a transport pathway in different soil types; (5) the solubility behavior of TA-16 contaminants (particularly HE and barium) in surface aquifers; (6) the nature of interactions between soils and water-borne TA-16 contaminants; and (7) the ultimate fate of surface water at TA-16.

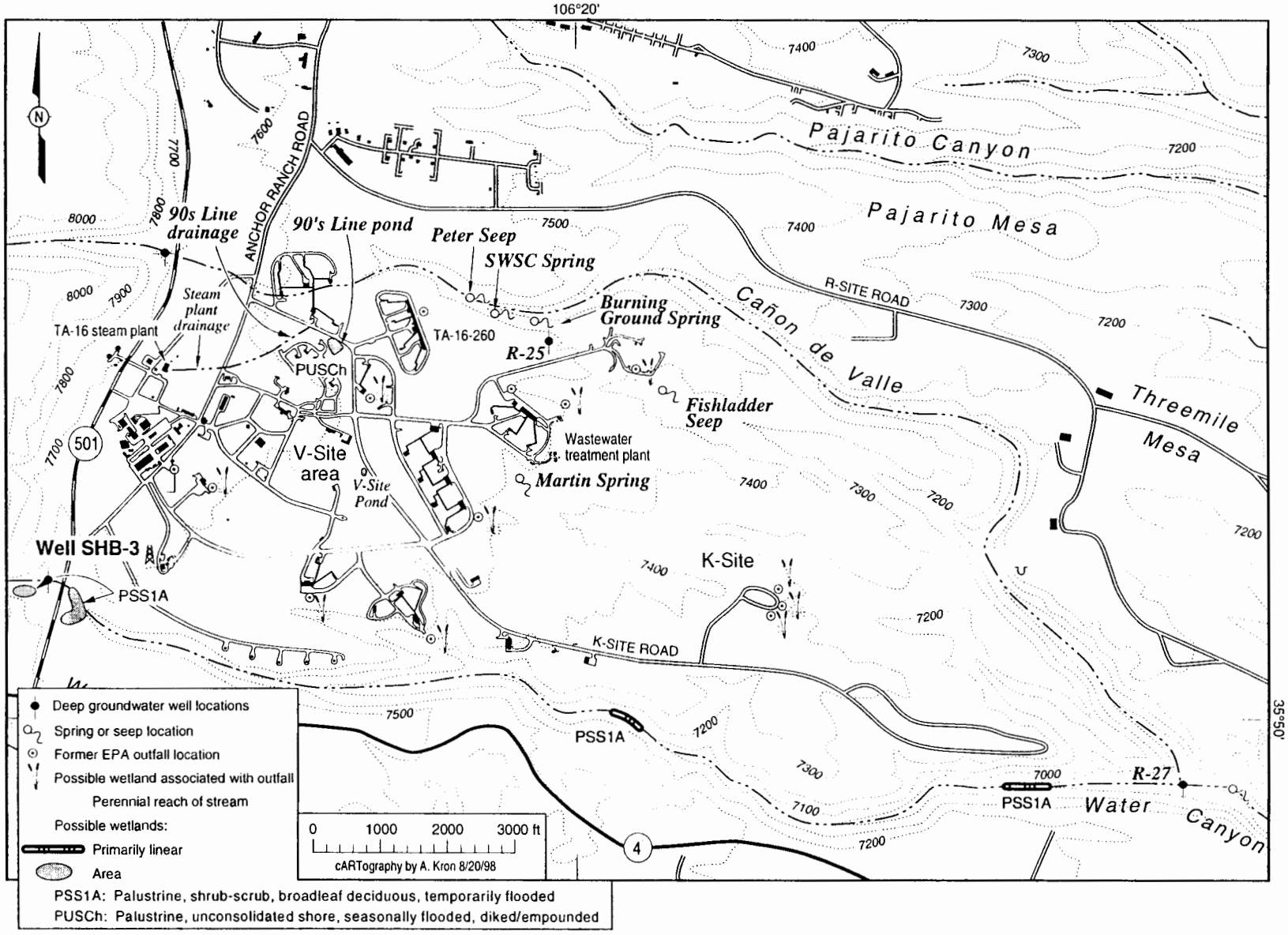


Figure B-4.0-1. Topography, springs, seeps, National Wetlands Inventory, and LANL-defined wetland at TA-16

It is recognized that (1) a perennial, contaminated surface water body exists in Cañon de Valle downgradient from the TA-16-260 outfall; (2) the Cañon de Valle surface waters are mobilizing contaminants downgradient; and (3) surface water infiltration from ponded areas to shallow perched aquifers is a significant contaminant transport mechanism at the TA-16-260 outfall. Figure B-4.0-1 shows the locations of surface water reaches, possible wetlands, springs and seeps, and other features relevant to surface water investigations at TA-16.

Perennial and intermittent surface water exists at many locations at TA-16, due to both natural and anthropogenic sources. Cañon de Valle contains what appears to be a perennial reach: the surface water between the TA-16-260 outfall and a location beyond MDA-P has flowed continuously since initial investigations in 1992. Several small saturated areas are present in small tributary drainages to Cañon de Valle and Water Canyon. Many of these zones are due to the discharge of process waters from TA-16 operations. Process water discharges at most of the TA-16 NPDES outfalls, including that at TA-16-260 outfall, were shut off during 1996 and 1997.

B-4.1.1 Surface Water Runoff

Surface water runoff is an effective means of transporting many contaminants, particularly highly soluble contaminants, in environmental media at TA-16. Runoff can mobilize contaminants and transport them off site or concentrate dispersed surficial contaminants through solution and reprecipitation or sorption processes. Surface water runoff from TA-16 flows from ephemeral streams on the mesa tops into Cañon de Valle and Water Canyon and ultimately into the Rio Grande, or infiltrates downgradient. Results from the recently drilled well R-9 at the eastern boundary of the Laboratory indicate slightly elevated levels of tritium in the regional groundwater aquifer. This elevated tritium could have come from a Laboratory source or could be bomb-pulse tritium. In either case, the results indicate hydraulic connectivity from the surface to the regional aquifer on a scale of 53 years or less. In addition, elevated levels of tritium, chloride, and sulfate in perched aquifers at depths of 180-275 feet in R-9 are clearly the result of contamination from Laboratory sources.

No comprehensive study of surface runoff from the mesa tops and canyons constituting the surface watershed of the Pajarito Plateau has been completed. A recent experimental study (Nyhan et al. 1984, 11757; Nyhan and Lane 1986, 06539) suggests that runoff is up to three times greater from backfilled soil than from naturally vegetated areas. Much of TA-16 has been disturbed by construction, so that runoff will be a significant transport pathway in the operational section of this technical area.

Water quality data have been collected downstream from TA-16 in Water Canyon for the past 30 years (e.g., Environmental Protection Group 1992, 07004). Water chemistry analyses over this period have generally shown that contaminant abundances are below levels of concern (Environmental Protection Agency, New Mexico Environment Department, and Department of Energy standards) for barium and other metals. It is interesting to note that soluble barium concentration at the confluence of Water Canyon with the Rio Grande is larger (0.187 mg/l) than in the other sampled Canyons: Pajarito, 0.043 mg/l; Ancho, 0.043 mg/l; and Frijoles, 0.015 mg/l (Environmental Protection Group 1992, 07004).

B-4.1.2 Surface Water Infiltration

Surface water infiltration is a potential mechanism for surface contaminants to move into subsurface soils and tuffs and eventually reach perched or regional aquifers. Surface water infiltration is considered to be a minor transport mechanism at the Laboratory overall because of the great depth to the regional aquifer,

the high evaporative potential of the upper tuff, the likelihood of vegetative transpiration, and the resulting naturally low moisture content and high porosity of the tuffs (LANL 1996, 55574). However, surface water infiltration is recharging perched aquifers at TA-16 (see Section 5).

B-4.1.3 Narrative of AP 4.5

For the Laboratory, surface water runoff and sediment transport are among the potential migration pathways of concern for transport of contaminants to off-site receptors. Soil erosion may expose or allow water to access subsurface contaminants. Erosion of soils may be dependent on several factors, including soil properties; vegetative cover; slope; exposure; intensity and frequency of precipitation; and seismic activity.

The ER project has developed Standard Operating Procedure (SOP) 2.01, "Surface Water Site Assessment," to assess sediment transport and erosion concerns at specific PRSs. SOP 2.01 provides a basis for prioritizing and scheduling actions for controlling the erosion of potentially contaminated soils at a specific PRS. The procedure is a two part evaluation. Part A is a compilation of existing PRS analytical data, site maps, and knowledge of process information. Part B is an assessment of the erosion/sediment transport potential at each PRS. Part A is initiated and completed by the ER Project; Part B is completed by LANL's Water Quality and Hydrology Group (ESH-18). A Surface Water Assessment Team comprised of representatives from ER, ESH-18, the Facility Management Group (FSS-7), and the DOE Oversight Bureau evaluates each completed assessment. If necessary, a best management practice or other action is implemented.

B-4.1.4 Surface Water Data

General surface water conditions are described in Section 2.4.2.1 of the IWP (LANL, 1996, 55574). Surface water in many locations at TA-16 has been analyzed as part of Framework Studies surface water characterization activities, sampling that was performed by New Mexico Environment Department (NMED) Agreement in Principle (AIP) personnel as part of their surveillance activities, and as part of non-RFI hydrogeologic sampling at TA-16. These data are provided in Appendix C of the RFI report for PRSs 16-003(k) and 16-021(c), which was submitted in September 1996 (LANL, 1996, 55077).

Information from Appendix C of the PRS 16-003(k) and 16-021(c) RFI report on constituents above background in surface waters is summarized below (Tables B-4.1-1, B-4.1-2, and B-4.1-3). A more detailed discussion of surface water conditions at TA-16, and of sampling strategies and results, are provided in Section 3 of this report.

Surface waters in Cañon de Valle are contaminated with constituents at levels above drinking water standards and above background levels (see Section 3). Barium in Cañon de Valle ranges up to 16 ppm, which is above the New Mexico drinking water quality control commission (WQCC) level of 1 ppm. The high explosive RDX is also consistently found at levels above 100 ppb. Several other constituents in Cañon de Valle appear to be at levels above regional spring background (Section 3).

Table B-4.1-1
Major Elements of TA-16 Waters

SAMPLE ID	DESCRIPTION	DATE	BORON (ppm)	BROMINE (ppm)	CALCIUM (ppm)	CHLORINE (ppm)	FLUORINE (ppm)	HYDROGEN CARBONATE (ppm)	LITHIUM (ppm)	MAGNESIUM (ppm)	POTASSIUM (ppm)	SODIUM (ppm)	SILICATE (ppm) calc	SULFATE (ppm)	STRONTIUM (ppm)	TOTAL DISSOLVED SOLVENTS (ppm)	CATION SUM	ANION SUM
Springs/Seeps																		
PP94-50	Burning Ground Spring	4/15/94	0.01	0.08	18.7	21.8	0.20	87.4	<0.01	4.86	3.30	21.4	49.86	8.31	0.14	220.5	2.461	2.279
NMED	Burning Ground Spring	8/12/94	<0.1	NA[a]	20	15	0.2	92	NA	4.9	5	19	NC[b]	10	0.1	NC	NC	NC
NMED	Burning Ground Spring	3/17/95	<0.01	<0.4	14	19	<0.5	85	<0.01	4.5	3	25	NC	30	<0.01	180	NC	NC
SSite96-5	Burning Ground Spring	3/01/96	0.021	0.09	17.5	16.6	0.16	104	<0.01	5.03	3.33	25.4	47.72	9.84	0.11	206.8	0.121	4.851
SSite96-17	Burning Ground Spring	4/10/96	0.021	0.07	16.4	14.3	0.14	100	<0.01	4.71	3.26	24.0	46.44	9.02	0.11	223.8	2.396	2.313
NMED	Martin Spring	5/12/95	1.4	<0.5	24	19	<0.5	104	<0.01	6	3	22	NC	20	0.12	200	NC	NC
PP95-132	Martin Spring	7/21/95	1.58	0.13	24.6	20.2	0.61	122	0.01	5.71	3.31	30.9	47.08	17.9	0.13	290.2	3.164	3.298
SSite96-4	Martin Spring	3/01/96	1.81	0.16	28.1	20.6	0.70	130	0.01	6.45	2.89	34.1	51.36	20.7	0.14	275.3	0.552	6.047
SSite96-15	Martin Spring	4/10/96	1.81	0.16	28.1	20.3	0.67	137	0.01	6.47	2.85	36.4	52.00	21.0	0.16	325.9	3.618	3.675
PP94-74	SWSC Spring	8/12/94	0.026	0.09	18.4	17.3	0.18	92.9	<0.01	4.97	3.04	20.2	45.37	10.2	0.13	219	2.318	2.322
NMED	SWSC Spring	8/12/94	<0.1	NA	18	15	0.2	90	NA	5.4	5	19	NC	10	0.1	NC	NC	NC
NMED	SWSC Spring	3/17/95	<0.01	<0.4	16	19	<0.5	80	<0.01	4.8	3	24	NC	31	<0.01	174	NC	NC
SSite96-18	SWSC Spring	4/10/96	0.029	0.09	16.3	14.3	0.13	100	<0.01	4.83	3.26	24.8	46.44	9.18	0.11	225.2	2.419	2.324
SSite96-6	SWSC Spring	3/01/96	0.033	0.10	18.2	16.8	0.16	104	<0.01	5.19	3.38	25.4	44.94	10.1	0.12	206.6	0.132	4.851
NMED	Fish Ladder Seep	6/2/95	0.2	NA	4	7	<0.5	25	0.02	1	<1	12	NC	84	0.04	250	NC	NC
SSite96-11	Fish Ladder Seep	3/27/96	0.040	<0.01	5.44	5.21	0.07	11.5	0.04	1.88	3.10	9.36	72.55	17.7	0.04	130.2	1.141	0.709
NMED	Peter Seep	6/2/95	0.04	NA	15	16	<0.5	83	<0.01	4	3	16	NC	18	0.11	140	NC	NC
Outfalls																		
---	260 outfall	---	0.02	NA	11	NA	NA	NA	NA	3	NA	NA	NC	NA	0.05	NC	NC	NC
PP95-133	300 outfall	7/21/95	0.035	<0.02	8.95	2.55	0.20	64	0.02	2.21	2.25	10.8	63.56	1.82	0.05	159.2	1.226	1.197
---	300 outfall	---	0.02	NA	9	NA	NA	NA	NA	3	NA	NA	NC	NA	0.05	NC	NC	NC
---	340 outfall	---	0.02	NA	10	NA	NA	NA	NA	4	NA	NA	NC	NA	0.05	NC	NC	NC
SSite96-10	340 outfall	3/27/96	0.021	0.04	11.1	2.94	0.21	67.6	0.03	3.68	2.58	12.7	84.32	2.32	0.06	195.5	1.496	1.500
SSite96-21	Silver outfall	4/10/96	0.020	0.04	9.09	2.63	0.18	66.5	0.03	3.03	2.31	11.7	81.32	3.75	0.04	183.7	1.306	1.296
Creeks																		
PP95-134	300-line Canyon TA-16	7/21/95	0.21	0.03	13.4	3.79	0.21	83	0.01	3.41	5.36	13.6	33.17	5.16	0.09	163.2	1.741	1.609
SSite95-1	Cañon de Valle Creek	3/17/95	0.038	0.03	13.5	16.8	0.14	69.9	<0.01	4.12	3.08	18.2	29.10	15.5	0.13	175.5	1.983	1.953
SSite95-2	Cañon de Valle Creek	3/17/95	0.033	0.07	14.8	20.9	0.20	81.0	<0.01	4.48	3.24	22.1	35.74	9.78	0.11	196.8	2.222	2.143
SSite95-3	Cañon de Valle Creek	3/17/95	0.015	0.08	19.6	22.9	0.27	92.6	<0.01	5.48	3.88	22.7	47.08	11.1	0.12	233.6	2.588	2.47
MDA P S-1	Cañon de Valle Creek	4/94	NA	NA	19	NA	NA	NA	NA	5.6	3	21	NC	NA	NA	NC	NC	NC
MDA P S-2	Cañon de Valle Creek	4/94	NA	NA	19	NA	NA	NA	NA	5.5	3.1	20	NC	NA	NA	NC	NC	NC
MDA P S-3	Cañon de Valle Creek	4/94	NA	NA	19	NA	NA	NA	NA	5.5	2.5	20	NC	NA	NA	NC	NC	NC
MDA P S-4	Cañon de Valle Creek	4/94	NA	NA	18	NA	NA	NA	NA	5.3	2.7	20	NC	NA	NA	NC	NC	NC
MDA P S-5	Cañon de Valle Creek	4/94	NA	NA	18	NA	NA	NA	NA	5.2	2.8	20	NC	NA	NA	NC	NC	NC
MDA P S-6	Cañon de Valle Creek	4/94	NA	NA	17	NA	NA	NA	NA	5.1	2.5	20	NC	NA	NA	NC	NC	NC
PP94-52	Snowmelt, Cañon de Valle	4/15/94	<0.01	<0.02	7.56	1.50	0.04	38.0	<0.01	2.26	1.47	3.29	25.89	3.39	0.07	84.4	0.827	0.738
PP94-51	Weirbox, Cañon de Valle	4/15/94	0.04	0.07	15.5	19.8	0.23	82.0	<0.01	4.09	2.89	20.0	35.31	7.76	0.14	191.3	2.147	2.079

Table B-4.1-1 (concluded)
Major Elements of TA-16 Waters

SAMPLE ID	DESCRIPTION	DATE	BORON (ppm)	BROMINE (ppm)	CALCIUM (ppm)	CHLORINE (ppm)	FLUORINE (ppm)	HYDROGEN CARBONATE (ppm)	LITHIUM (ppm)	MAGNESIUM (ppm)	POTASSIUM (ppm)	SODIUM (ppm)	SILICATE (ppm) calc	SULFATE (ppm)	STRONTIUM (ppm)	TOTAL DISSOLVED SOLVENTS (ppm)	CATION SUM	ANION SUM
Assorted locations																		
SSite96-8	90s-line Drainage	3/05/96	0.049	0.12	9.19	16.7	0.74	311	0.04	2.20	6.24	134	145.73	17.5	0.05	636.0	0.089	14.453
SSite96-19	90s-line Drainage	4/10/96	0.056	0.10	10.3	27.8	0.61	345	0.05	2.36	7.97	154	150.23	13.7	0.07	749.4	7.751	7.696
SSite96-9	90s-line Pond	3/05/96	0.007	0.01	5.05	0.98	0.14	23.7	<0.01	1.12	2.71	1.76	3.60	0.84	0.05	54.3	0.025	1.130
SSite96-20	90s-line Pond	4/10/96	0.017	<0.01	7.42	1.26	0.18	32.2	<0.01	1.27	4.12	2.89	5.84	0.81	0.07	59.8	0.873	0.591
PP95-135	K-Site	7/21/95	0.74	0.11	15.3	15.4	0.28	85	0.01	3.54	8.90	24.4	29.96	14.2	0.09	208.3	2.525	2.327
SHB-3	TA-16 well	7/20/93	0.09	0.02	16	7.54	0.28	0	0.04	0.85	15.50	24	82.40	7.54	0.2	205.7	2.33	2.284
SSite96-7	WWTP	3/05/96	0.022	0.03	30.2	216	0.30	101	0.04	9.17	9.65	117	76.61	3.80	0.14	319.5	0.411	4.791
SSite96-16	WWTP	4/10/96	0.017	<0.01	23.5	136	0.11	93.2	0.02	7.87	6.03	80.9	83.03	3.06	0.11	440.1	5.677	5.482
Background springs																		
SSite96-13	Apache Spring	4/03/96	0.005	0.01	10.9	7.72	0.04	69.0	<0.01	4.86	4.75	9.77	56.07	5.93	0.10	171.1	1.532	1.498
44	Cold Spring west cal	6/1/80	0.73	0.06	12	1.9	0.25	53.7	0.03	1.5	3	8	30.00	5.5	0.06	NC	NC	NC
62	Frijoles Spring #49	5/22/91	<0.01	<0.02	8	14	0.03	39	<0.01	2.98	2.9	6.8	17.00	3.85	0.09	NC	NC	NC
63	Frijoles Spring #50	5/22/91	<0.01	<0.02	7.9	6.11	0.04	53.6	<0.01	3.71	2.5	7.2	25.00	2.66	0.07	NC	NC	NC
66	Pine Spring	5/24/91	<0.01	<0.02	10.7	1.47	0.08	61	<0.01	3.55	3.6	6.4	25.00	7.7	0.08	NC	NC	NC
0	Pine Spring	3/26/95	0.02	<0.4	11	<5	<0.5	NA	0.01	3.6	3	5.1	NC	66	0.09	NC	NC	NC
0	Pine Spring	10/16/95	<0.1	NA	10	2	<0.2	48	<0.01	3	3	6	NC	<10	0.07	NC	NC	NC
44	Seven Springs	10/1/79	<0.003	NA	12.3	3.6	0.21	49	0.018	1.54	2.1	7.23	41.00	8.7	0.071	NC	NC	NC
44	Seven Springs	5/1/83	NA	0.27	11	1.9	0.25	53.7	0.05	1.4	4	8	30.00	5.9	0.05	NC	NC	NC
76	Seven Springs	5/10/91	<0.02	<0.02	12.9	1.22	0.16	61	<0.01	1.71	2.4	6.3	31.00	3.85	0.06	NC	NC	NC
SSite96-12	Seven Springs	4/3/96	0.013	<0.01	12.5	1.85	0.12	59.5	<0.01	1.63	2.13	7.26	31.03	4.03	0.06	121.5	1.148	1.137
52	Unnamed Cold	7/1/80	<0.01	<0.2	10.6	7.1	0.3	75	0.024	3.4	3.1	9.4	65.00	3.4	0.049	NC	NC	NC
53	Unnamed Cold	7/1/80	<0.01	<0.2	10.4	7.5	0.35	73	0.024	3.4	3.2	9	69.00	2.4	0.051	NC	NC	NC
67	Unnamed Spring	5/28/91	<0.01	<0.02	9.1	1.34	0.14	56.1	<0.01	2.44	4.6	7	21.00	5.73	0.05	NC	NC	NC
89	Unnamed Spring	9/10/93	<0.05	0.02	11.4	4.38	0.34	80.8	0.03	2.9	2.49	16.2	60.10	4.04	0.1	NC	NC	NC
1	Water Canyon Gallery	8/1/78	<0.05	NA	7	NA	0.12	52	0.02	3.3	1.4	5.8	43.00	NA	0.05	NC	NC	NC
25	Water Canyon Gallery	8/18/92	<0.05	<0.02	7.2	0.64	0.05	52.8	<0.01	3.05	1.72	6.3	43.70	1.05	0.07	NC	NC	NC
25	Water Canyon Gallery	5/20/93	<0.01	0.01	6.94	0.69	0.06	44.6	0.01	2.79	1.79	4.9	39.80	2.85	0.07	NC	NC	NC
SSite96-14	Water Canyon Gallery	4/03/96	0.004	<0.01	6.18	0.77	0.03	48.9	0.02	3.15	1.75	5.99	44.30	1.20	0.05	113.6	0.900	0.865

[a]NA = Not analyzed.
[b]NC = Not calculated.

Table B-4.1-2

Minor Elements of TA-16 Waters

SAMPLE ID	DESCRIPTION	DATE	SILVER (ppm)	ALUMINUM (ppm)	ARSENIC (ppm)	BARIUM (ppm)	CADMIUM (ppm)	COBALT (ppm)	CHROMIUM (ppm)	CESIUM (ppm)	COPPER (ppm)	IRON (ppm)	MERCURY (ppm)	IODINE (ppm)	MANGANESE (ppm)	MOLYBDENUM (ppm)	AMMONIUM (ppm)	NICKEL (ppm)	NITRITE (ppm)	NITRATE (ppm)	LEAD (ppm)	PHOSPHATE (ppm)	RUBIDIUM (ppm)	ANTIMONY (ppm)	SELENIUM (ppm)	THIOSULFATE (ppm)	ZINC (ppm)
Springs/Seeps																											
PP94-50	Burning Ground Spring	4/15/94	<0.0005	0.75	0.0006	0.29	0.0003	<0.002	<0.002	<0.002	0.004	0.31	0.0002	<0.01	<0.01	<0.002	0.10	0.005	<0.02	2.91	0.003	<0.05	0.005	<0.0002	<0.0002	<0.01	0.01
NMED	Burning Ground Spring	8/12/94	<0.1	0.4	0.0005	0.3	<0.001	<0.001	0.002	NA*	<0.01	0.3	<0.0005	NA	<0.05	<0.001	NA	<0.1	NA	1.1	<0.001	NA	NA	NA	<0.005	NA	<0.1
NMED	Burning Ground Spring	3/17/95	<0.01	0.4	<0.005	0.3	<0.005	<0.01	<0.01	NA	<0.01	0.1	<0.0002	NA	<0.01	<0.01	NA	<0.02	NA	NA	<0.003	NA	NA	<0.06	<0.005	NA	<0.02
SSite96-5	Burning Ground Spring	3/01/96	0.0004	0.55	0.0036	0.23	<0.001	<0.002	<0.002	<0.002	0.004	0.22	0.0002	<0.01	<0.01	0.002	0.05	<0.002	<0.02	3.91	<0.002	0.44	0.005	<0.0002	<0.0002	<0.01	0.01
SSite96-17	Burning Ground Spring	4/10/96	<0.0002	0.41	0.0009	0.21	<0.0002	<0.002	<0.002	0.003	<0.002	0.16	<0.0002	<0.01	<0.01	0.003	0.05	0.002	<0.01	4.08	<0.002	0.42	0.006	<0.0001	<0.0001	<0.01	<0.01
NMED	Martin Spring	5/12/95	<0.01	<0.2	<0.01	0.2	<0.005	<0.01	<0.01	NA	<0.01	<0.1	<0.003	NA	<0.01	<0.01	NA	<0.02	NA	NA	<0.003	NA	NA	<0.02	<0.005	NA	<0.02
PP95-132	Martin Spring	7/21/95	<0.0005	0.18	0.0013	0.17	<0.0002	<0.002	<0.002	<0.002	<0.002	0.06	<0.0002	<0.01	<0.01	0.007	0.19	<0.002	0.04	15.2	<0.002	0.21	0.003	<0.0002	<0.0002	<0.01	0.01
SSite96-4	Martin Spring	3/01/96	<0.0002	0.08	0.0019	0.19	<0.001	<0.002	<0.002	<0.002	0.005	0.04	0.0006	0.04	<0.01	0.009	0.10	0.003	<0.02	18.3	<0.002	0.28	0.002	<0.0002	<0.0002	<0.01	0.01
SSite96-15	Martin Spring	4/10/96	<0.0002	0.18	0.0018	0.19	<0.0002	<0.002	0.002	0.002	<0.002	0.01	<0.0002	0.03	<0.01	0.010	0.03	<0.002	<0.01	18.3	<0.002	0.21	0.004	0.0001	<0.0001	<0.01	<0.01
PP94-74	SWSC Spring	8/12/94	<0.0005	0.09	<0.0005	0.32	0.0006	<0.002	<0.002	<0.002	0.018	0.07	<0.0002	<0.01	0.06	<0.002	0.15	0.003	<0.01	5.32	<0.002	0.09	0.002	<0.0002	<0.0002	<0.01	0.10
NMED	SWSC Spring	8/12/94	<0.1	0.3	0.001	0.3	<0.001	<0.05	<0.001	NA	<0.01	0.2	<0.0005	NA	<0.001	<0.1	NA	<0.1	NA	1	<0.001	NA	NA	NA	<0.005	NA	0.02
NMED	SWSC Spring	3/17/95	<0.01	0.9	<0.005	0.3	<0.005	<0.01	<0.01	NA	<0.01	0.4	<0.0002	NA	<0.01	<0.01	NA	<0.02	NA	NA	<0.003	NA	NA	<0.06	<0.005	NA	0.04
SSite96-18	SWSC Spring	4/10/96	<0.0002	0.29	0.0018	0.27	<0.0002	<0.002	<0.002	0.002	<0.002	0.10	<0.0002	<0.01	<0.01	0.003	0.04	<0.002	<0.01	4.60	<0.002	0.41	0.005	<0.0001	<0.0001	<0.01	<0.01
SSite96-6	SWSC Spring	3/01/96	0.0003	0.52	0.0016	0.28	<0.001	<0.002	<0.002	<0.002	0.003	0.22	<0.0002	<0.01	<0.01	0.002	0.07	0.004	0.07	4.31	<0.002	0.33	0.006	<0.0002	<0.0002	<0.01	0.01
NMED	Fish ladder Seep	6/2/95	<0.01	2	<0.01	1.7	<0.005	<0.01	<0.01	NA	<0.01	1	<0.0002	NA	0.01	<0.1	NA	<0.02	NA	0.1	0.003	0.27	NA	<0.02	0.006	NA	0.06
SSite96-11	Fish ladder Seep	3/27/96	<0.0002	1.20	0.0024	0.29	<0.0002	<0.002	0.002	<0.002	0.006	1.28	<0.0002	<0.01	0.05	<0.002	0.22	0.003	<0.01	<0.02	0.005	<0.05	0.003	<0.0001	<0.0001	<0.01	0.04
NMED	Peter Seep	6/2/95	<0.01	<0.2	<0.01	1	<0.005	<0.01	<0.01	NA	<0.01	<0.1	<0.0002	NA	<0.01	<0.1	NA	<0.02	NA	0.5	<0.003	0.12	NA	<0.02	<0.005	NA	0.07
Outfalls																											
—	260 outfall	—	NA	NA	NA	0.5	NA	NA	NA	NA	0.01	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PP95-133	300 outfall	7/21/95	<0.0005	0.04	0.0013	0.04	<0.0002	<0.002	<0.002	0.006	0.010	0.39	<0.0002	<0.01	<0.01	0.009	0.71	<0.002	0.09	1.44	<0.002	<0.02	0.004	0.0003	<0.0002	<0.01	0.02
—	300 outfall	—	NA	NA	NA	NA	NA	NA	NA	NA	0.02	NA	NA	NA	NA	0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
—	340 outfall	—	NA	NA	NA	NA	NA	NA	NA	NA	0.01	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.02
SSite96-10	340 outfall	3/27/96	<0.0002	0.09	0.0026	0.03	<0.0002	<0.002	0.005	<0.002	0.003	0.03	<0.0002	<0.01	<0.01	0.004	0.06	<0.002	<0.01	0.50	<0.002	<0.05	0.006	0.0002	<0.0001	<0.01	<0.01
SSite96-21	Silver outfall	4/10/96	0.0037	0.11	0.0017	0.03	<0.0002	<0.002	0.006	<0.002	0.003	0.04	<0.0002	<0.01	<0.01	<0.002	0.27	<0.002	0.25	2.31	<0.002	<0.05	0.004	<0.0001	<0.0001	<0.01	0.02
Creeks																											
PP95-134	300-line Canyon TA-16	7/21/95	<0.0005	0.32	0.0019	0.24	0.0008	<0.002	<0.002	<0.002	<0.002	0.21	<0.0002	<0.01	0.02	0.007	0.14	0.006	<0.01	0.17	0.002	0.65	0.003	<0.0002	<0.0002	<0.01	0.01
SSite95-1	Cañon de Valle Creek	3/17/95	<0.0005	0.51	0.0003	3.28	0.0016	<0.002	<0.002	<0.002	0.031	0.58	<0.0002	<0.01	0.04	<0.002	0.21	<0.002	<0.02	0.10	0.004	<0.05	0.002	0.0004	<0.0002	<0.01	0.15
SSite95-2	Cañon de Valle Creek	3/17/95	<0.0005	0.66	0.0008	2.44	<0.0002	<0.002	<0.002	<0.002	0.020	0.32	<0.0002	<0.01	0.01	<0.002	0.26	0.005	<0.02	0.55	<0.002	<0.05	0.004	0.0002	<0.0002	<0.01	0.02
SSite95-3	Cañon de Valle Creek	3/17/95	<0.0005	2.39	0.0006	0.43	<0.0002	<0.002	<0.002	<0.002	0.020	0.97	<0.0002	<0.01	<0.01	<0.002	0.20	0.002	<0.02	3.71	<0.002	<0.05	0.005	<0.0002	<0.0002	<0.01	0.02
MDA P S-1	Cañon de Valle Creek	4/94	ND*	0.31	ND	3	ND	ND	ND	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	0.1	ND	NA	NA	ND	ND	NA	ND
MDA P S-2	Cañon de Valle Creek	4/94	ND	0.56	ND	3	ND	ND	ND	NA	ND	0.34	ND	NA	ND	NA	NA	ND	NA	0.12	ND	NA	NA	ND	ND	NA	ND
MDA P S-3	Cañon de Valle Creek	4/94	ND	0.74	ND	3.1	ND	ND	ND	NA	ND	0.36	ND	NA	ND	NA	NA	ND	NA	ND	ND	NA	NA	ND	0.003	NA	ND
MDA P S-4	Cañon de Valle Creek	4/94	ND	0.37	ND	3.4	ND	ND	ND	NA	ND	0.31	ND	NA	ND	NA	NA	ND	NA	ND	ND	NA	NA	ND	ND	NA	ND
MDA P S-5	Cañon de Valle Creek	4/94	ND	0.18	ND	3.4	ND	ND	ND	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	ND	ND	NA	NA	ND	ND	NA	ND
MDA P S-6	Cañon de Valle Creek	4/94	ND	ND	ND	3.3	ND	ND	ND	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	ND	ND	NA	NA	0.003	ND	NA	ND
PP94-52	Snowmelt, Cañon de Valle	4/15/94	<0.0005	0.59	<0.0005	0.06	0.0004	<0.002	<0.002	<0.002	0.008	0.20	<0.0002	<0.01	<0.01	<0.002	0.08	<0.002	<0.02	<0.02	<0.002	<0.05	<0.002	<0.0002	<0.0002	<0.01	<0.01
PP94-51	Weirbox, Cañon de Valle	4/15/94	<0.0005	0.29	0.0016	2.90	<0.0002	<0.002	<0.002	<0.002	0.003	0.18	0.0006	<0.01	0.02	<0.002	0.11	0.006	<0.02	<0.02	<0.002	<0.05	0.004	<0.0002	<0.0002	<0.01	<0.01
Springs/Seeps																											
SSite96-8	90s-line Drainage	3/05/96	<0.0002	2.12	0.0053	0.06	<0.001	<0.002	0.002	<0.002	0.011	1.30	<0.0002	<0.01	0.02	0.004	0.12	0.005	<0.02	0.02	0.002	19.3	0.003	0.0006	<0.0002	<0.01	0.02
SSite96-19	90s-line Drainage	4/10/96	0.0002	0.83	0.0040	0.05	<0.0002	0.002	0.002	<0.002	0.010	0.67	<0.0002	<0.01	0.04	0.003	0.11	0.005	<0.01	<0.02	0.002	18.1	0.005	0.0004	0.0001	<0.01	<0.01
SSite96-9	90s-line Pond	3/05/96	<0.0002	0.71	0.0006	1.44	<0.001	<0.002	<0.002	<0.002	0.005	0.48	<0.0002	<0.01	<0.01	<0.002	0.14	<0.002	<0.02	0.09	<0.002	<0.05	0.002	<0.0002	<0.0002	<0.01	0.02
SSite96-20	90s-line Pond	4/10/96	<0.0002	0.94	0.0017	2.27	0.0012	<0.002	<0.002	<0.002	0.007	0.49	<0.0002	<0.01	<0.01	<0.002	0.03	0.005	<0.01	<0.02	0.002	<0.05	0.002	0.0001	<0.0001	<0.01	<0.01
PP95-135	K-Site	7/21/95	<0.0005	0.87	0.0045	0.20	0.0015	<0.002	<0.002	<0.002	0.014	1.12	<0.0002	<0.01	0.32	0.025	0.10	0.004	5.72	0.51	<0.002	1.39	0.007	0.0003	<0.0002	<0.01	0.03
SHB-3	TA-16 well	7/20/93	<0.001	<0.05	<0.001	0.06	<0.0005	<0.002	0.005	0.002	0.014	0.08	<0.001	<0.01	<0.01	0.11	0.46	0.005	<0.02	0.52	0.022	0.02	0.069	<0.001	<0.001	NA	0.14
SSite96-7	WWTP	3/05/96	<0.0002	0.07	0.0018	0.06	<0.001	<0.002	0.004	0.004	0.006	0.20	<0.0002	<0.01	0.01	0.002	6.04	<0.002	<0.02	2.09	<0.002	2.24	0.017	0.0004	0.0004	<0.01	0.03
SSite96-16	WWTP	4/10/96	<0.0002	0.08	0.0016	0.06	<0.0002	<0.002	0.004	0.002	0.003	0.05	<0.0002	<0.01	0.01	0.079	3.02	<0.002	<0.01	1.59	<0.002	1.36	0.018	<0.0001	<0.0001	<0.01	<0.01
Background springs																											
SSite96-13	Apache Spring	4/03/96	<0.0002	0.28	<0.0002	0.07	<0.0002	<0.002	<0.002	<0.002	<0.002	0.10	<0.0002	<0.01	<0.01	<0.002	0.04	<0.002	0.02	1.33	<0.002	0.07	0.010	<0.0001	<0.0001	<0.01	<0.01
44	Cold Spring west cal	8/1/80	NA	NA	NA	0.02	0.003	NA	NA	NA	NA	0.2	NA	NA	NA	NA	NA	NA	NA	0.19	NA	NA	NA	NA	NA	NA	NA
62	Frijoles Spring #49	5/22/91	<0.001	1	<0.05	0.06	<0.001	<0.002	<0.002	<0.005	0.003	2.12	<0.1	<0.01	<0.02	<0.002	0.09	<0.002	<0.02	0.3	<0.002	<0.05	0.006	<0.05	<0.1	NA	<0.01
63	Frijoles Spring #50	5/22/91	<0.001	0.5	<0.05	0.03	<0.001	<0.002	<0.002	<0.005	0.003	1.08	<0.1	<0.01	<0.02	<0.002	0.08	<0.002	<0.02	0.71	<0.002	0.11	0.007	<0.05	<0.1	NA	0.02
66	Pine Spring	5/24/91	<0.003	1.4	<0.05	0.05	<0.001	<0.002	0.004	0.006	0.004	4.17	<0.1	<0.01	<0.02	<0.002	0.24	<0.002	<0.02	0.04	0.003	<0.05	0.007	<0.05	<0.1	NA	0.07
0	Pine Spring	3/26/95	<0.01	1	<0.005	0.1	<0.005	<0.01	<0.01	NA	<0.01	0.5	<0.0002	NA	<0.01	<0.01	NA	<0.02	NA	0.2	<0.003	NA	NA	<0.06	<0.005	NA	<0.02
0	Pine Spring	10/18/95	<0.01	<0.2	<0.01	<0.1	<0.005	<0.01	<0.01	NA	<0.01	<0.1	<0.0002	NA	<0.01	<0.01	NA	<0.02	NA	0.1	<0.003	NA	NA	<0.02	<0.005	NA	<0.02
44	Seven Springs	10/1/79	<0.03	0.2	NA	0.036	<0.03	<0.06	0.001	NA	<0.04	0.036	NA	NA	0.001	0.001	NA	<0.05	NA	NA	<0.14	NA	NA	NA	NA	NA	<0.01
44	Seven Springs	5/1/83	NA	0.2	NA	0.02	0.003	NA	NA	NA	NA	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
76	Seven Springs	5/10/91	<0.001	<0.1	<0.05	0.01	<0.001	<0.002	0.011	<0.005	<0.002	0.52	<0.1	<0.01	<0.02	<0.002	0.04	<0.002	<0.02	0.47	<0.002	<0.05	0.02	<0.1	<0.1	NA	0.01
SSite96-12	Seven Springs	4/3/96	<0.0002	0.12	0.0004	0.02	<0.0002	<0.002	<0.002	<0.002	0.002	0.02	<0.0002	<0.01	<0.01	<0.002	0.06	<0.002	<0.01	1.16	<0.002	<0.05	0.019	<0.0001	0.0003	<0.01	0.01
52	Unnamed Cold	7/1/80	<0.03	NA	NA	0.016	<0.001	<0.001	<0.001	NA	<0.001	0.15	NA	NA	0.002	<0.002	NA	<0.002	NA	<0.2	<0.004	<0.2	NA	NA	NA	NA	0.024
53	Unnamed Cold	7/1/80	<0.03	NA	NA	0.022	<0.001	<0.001	0.004	NA	<0.001	1.19	NA	NA	0.135	<0.002	NA	<0.002	NA	0.7	<0.004	<0.2	NA	NA	NA	NA	0.008
67	Unnamed Spring	5/28/91	<0.001	3.8	<0.05	0.08	0.001	<0.002	0.004	0.007	0.007	13.4	<0.1	<0.01	<0.02	<0.002	0.38	<0.002	<0.02	0.09	0.005	<0.05	0.01	<0.05	<0.1	NA	0.06
89	Unnamed Spring	9/10/93	<0.0005	0.6	0.006	0.03	<0.0002	<0.002	0.003	<0.002	0.008	0.44	<0.0002	<0.01	<0.01	<0.002	0.16	<0.002	<0.01	1.62	0.002	<0.02	0.007	<0.002	<0.002	NA	0.1
1	Water Canyon Gallery	8/1/78	<0.03	NA	NA	<0.12	<0.03	<0.06	<0.03	NA	<0.04	<0.04	NA	NA	<0.02	<0.1	NA	<0.06	NA	NA	<0.14	NA	NA	NA	NA	NA	<0.01
25	Water Canyon Gallery	6/18/92	<0.001	<0.1	<0.05	0.01	<0.001	<0.002	0.003	<0.002	<0.002	<0.01	0	<0.02	<0.01	0.009	<0.05	<0.002	<0.02	0.48	0.004	<0.05	0.004	<0.1	0	NA	0.02
25	Water Canyon Gallery	5/20/93	<0.001	0.2	<0.05	0.02	0.001	<0.002	<0.002	<0.002	0.002	0.05	0	<0.01	<0.01	<0.002	<0.02	<0.002	<0.01	0.98	0.005	0.07	0.006	<0.1	0	NA	0.05
SSite96-14	Water Canyon Gallery	4/03/96	<0.0002	0.15	0.0004	0.01	<0.0002	<0.002	<0.002	<0.002	<0.002	0.05	<0.0002	<0.01	<0.01	<0.002	0.06	<0.002	0.02	0.91	<0.002	<0.05	0.006	<0.0001	<0.0001	<0.01	<0.01

*NA = Not analyzed.
*ND= Not Detected.

Table B-4.1-3
HE in TA-16 Waters

Sample ID	Description	Date	A-DNT (ppm)	DNT (ppm)	HMX (ppm)	NQ (ppm)	PETN (ppm)	RDX (ppm)	1,3,5-TNB (ppm)	TNT (ppm)
SAL[a]	N/A[b]	N/A	NC[c]	NC	1.8	3.7	0.7	0.00061	0.0018	0.0022
Springs/Seeps										
PP94-50	Burning Ground Spring	4/15/94	NA[d]	NA	<0.02	<0.01	<0.05	<0.02	NA	<0.02
NMED	Burning Ground Spring	8/12/94	NA	NA	NA	NA	NA	NA	NA	NA
NMED	Burning Ground Spring	3/17/95	NA	NA	NA	NA	NA	NA	NA	NA
SSite96-5	Burning Ground Spring	3/01/96	NA	NA	0.04	<0.01	<0.05	0.01	NA	<0.01
SSite96-17	Burning Ground Spring	4/10/96	NA	NA	<0.02	<0.01	<0.05	<0.01	NA	<0.01
NMED	Martin Spring	5/12/95	0.0033	ND[e]	0.011	NA	NA	0.1	ND	ND
PP95-132	Martin Spring	7/21/95	NA	NA	0.05	<0.01	<0.05	0.11	NA	<0.02
SSite96-4	Martin Spring	3/01/96	NA	NA	0.03	<0.01	<0.05	0.11	NA	<0.01
SSite96-15	Martin Spring	4/10/96	NA	NA	0.02	<0.01	<0.05	0.12	NA	<0.01
PP94-74	SWSC Spring	8/12/94	NA	NA	<0.02	<0.01	<0.05	<0.02	NA	<0.02
NMED	SWSC Spring	8/12/94	NA	NA	NA	NA	NA	NA	NA	NA
NMED	SWSC Spring	5/12/95	0.0023	ND	0.0055	NA	NA	0.083	ND	ND
SSite96-18	SWSC Spring	4/10/96	NA	NA	<0.02	<0.01	<0.05	<0.01	NA	<0.01
SSite96-6	SWSC Spring	3/01/96	NA	NA	0.03	<0.01	<0.05	0.02	NA	<0.01
NMED	Fish ladder Seep	6/2/95	ND	ND	0.0076	NA	NA	0.0027	ND	ND
SSite96-11	Fish ladder Seep	3/27/96	NA	NA	<0.02	<0.01	<0.05	<0.01	NA	<0.01
NMED	Peter Seep	6/2/95	ND	ND	ND	NA	NA	ND	ND	ND
Outfalls										
---	260 outfall	---	NA	NA	1.1	NA	NA	0.077	NA	0.068
SSite96-25	260 outfall (filtered)	7/12/96	NA	0.146	1.213	NA	NA	0.484	0.418	19.998
SSite96-25	260 outfall (unfiltered)	7/12/96	NA	0.145	1.15	NA	NA	0.419	NA	21.201
PP95-133	300 outfall	7/21/95	NA	NA	0.02	<0.01	<0.05	0.02	NA	<0.02
---	300 outfall	---	NA	NA	NA	NA	NA	NA	NA	0.068
---	340 outfall	---	NA	NA	0.0046	NA	NA	NA	NA	0.068
SSite96-10	340 outfall	3/27/96	NA	NA	<0.02	<0.01	<0.05	<0.01	NA	<0.01
SSite96-21	Silver outfall	4/10/96	NA	NA	<0.02	<0.01	<0.05	<0.01	NA	<0.01
Creeks										
PP95-134	300-line canyon TA-16	7/21/95	NA	NA	<0.02	<0.01	<0.05	<0.02	NA	<0.02
SSite95-1	Cañon de Valle Creek	3/17/95	NA	NA	0.04	<0.01	<0.05	0.07	NA	<0.02
SSite95-2	Cañon de Valle Creek	3/17/95	NA	NA	0.05	<0.01	<0.05	0.12	NA	<0.02
MDA P S-1	Cañon de Valle Creek	4/94	NA	NA	NA	NA	NA	0.18	NA	NA
MDA P S-2	Cañon de Valle Creek	4/94	NA	NA	NA	NA	NA	0.152	NA	NA
MDA P S-3	Cañon de Valle Creek	4/94	NA	NA	NA	NA	NA	0.196	NA	NA
MDA P S-4	Cañon de Valle Creek	4/94	NA	NA	NA	NA	NA	0.133	NA	NA
MDA P S-5	Cañon de Valle Creek	4/94	NA	NA	NA	NA	NA	0.146	NA	NA
MDA P S-6	Cañon de Valle Creek	4/94	NA	NA	NA	NA	NA	0.162	NA	NA
SSite95-3	Cañon de Valle Creek	3/17/95	NA	NA	0.02	<0.01	<0.05	<0.02	NA	<0.02
PP94-52	Snowmelt, Cañon de Valle	4/15/94	NA	NA	<0.02	<0.01	<0.05	<0.02	NA	<0.02
PP94-51	Weirbox, Cañon de Valle	4/15/94	NA	NA	0.04	<0.01	<0.05	0.16	NA	<0.02
Assorted locations										
SSite96-8	90s-line Drainage	3/05/96	NA	NA	0.04	0.03	<0.05	<0.01	NA	<0.01
SSite96-19	90s-line Drainage	4/10/96	NA	NA	<0.02	0.03	<0.05	<0.01	NA	<0.01
SSite96-9	90s-line Pond	3/05/96	NA	NA	0.04	0.01	<0.05	<0.01	NA	<0.01
SSite96-20	90s-line Pond	4/10/96	NA	NA	<0.02	<0.01	<0.05	<0.01	NA	<0.01
PP95-135	K-Site	7/21/95	NA	NA	<0.02	<0.01	<0.05	<0.02	NA	<0.02
SSite96-7	WWTP	3/05/96	NA	NA	0.01	0.02	<0.05	<0.01	NA	<0.01
SSite96-16	WWTP	4/10/96	NA	NA	<0.02	<0.01	<0.05	<0.01	NA	<0.01
Background springs										
SSite96-13	Apache Spring	4/03/96	NA	NA	<0.02	<0.01	<0.05	<0.01	NA	<0.01
44	Cold Spring west cal	6/1/80	NA	NA	NA	NA	NA	NA	NA	NA
62	Frijoles Spring #49	5/22/91	NA	NA	NA	NA	NA	NA	NA	NA
63	Frijoles Spring #50	5/22/91	NA	NA	NA	NA	NA	NA	NA	NA
66	Pine Spring	5/24/91	NA	NA	NA	NA	NA	NA	NA	NA
0	Pine Spring	3/26/95	NA	NA	NA	NA	NA	NA	NA	NA
0	Pine Spring	10/16/95	NA	NA	NA	NA	NA	NA	NA	NA
44	Seven Springs	10/1/79	NA	NA	NA	NA	NA	NA	NA	NA
44	Seven Springs	5/1/83	NA	NA	NA	NA	NA	NA	NA	NA
76	Seven Springs	5/10/91	NA	NA	NA	NA	NA	NA	NA	NA
SSite96-12	Seven Springs	4/3/96	NA	NA	<0.02	<0.01	<0.05	<0.01	NA	<0.01
52	Unnamed Cold	7/1/80	NA	NA	NA	NA	NA	NA	NA	NA
53	Unnamed Cold	7/1/80	NA	NA	NA	NA	NA	NA	NA	NA
67	Unnamed Spring	5/28/91	NA	NA	NA	NA	NA	NA	NA	NA
89	Unnamed Spring	9/10/93	NA	NA	NA	NA	NA	NA	NA	NA
1	Water Canyon Gallery	8/1/78	NA	NA	NA	NA	NA	NA	NA	NA
25	Water Canyon Gallery	8/18/92	NA	NA	NA	NA	NA	NA	NA	NA
25	Water Canyon Gallery	5/20/93	NA	NA	NA	NA	NA	NA	NA	NA
SSite96-14	Water Canyon Gallery	4/03/96	NA	NA	<0.02	<0.01	<0.05	<0.01	NA	<0.01

[a]SAL=Screening action level.
[b]N/A= Not applicable.
[c]NC=Not calculated.
[d]NA=Not analyzed.
[e]ND=Not detected.

Other surface waters at TA-16 that have anomalously high levels of constituents include the pond behind the 90s-Line, which contains barium at levels above the WQCC standard, and a surface water zone at K-Site, which contains barium and boron above background levels.

Most of the constituents observed in TA-16 surface waters are attributed to contamination associated with PRS 16-021(c), the TA-16-260 outfall.

B-4.1.5 AP 4.5 Checklist(s)

See Attachment A to this appendix.

B-4.2 Groundwater

The groundwater hydrogeology of the Laboratory is summarized in Section 2.4.2.2 of the IWP (LANL 1996, 55574). Canyon and mesa topography and the ash deposits of the Bandelier Tuff control the hydrogeology of TA-16. The hydrology (occurrence and movement of water in surface and subsurface environments) of individual SWMUs in TA-16 is controlled by the physiographic location of each SWMU in canyon bottoms, canyon rims, or mesa tops. The majority of TA-16 SWMUs lie on the mesa tops, although a few SWMUs, such as SWMU 16-018 (MDA P), are located on the rims of the canyons.

B-4.2.1 Vadose Zone

The mesa top of TA-16 overlies at least 850 ft of largely unsaturated Bandelier Tuff, interbedded epiclastic sediments and pumice falls, and underlying sediments of the Puye Formation. The hydrology of the mesa top vadose zone is discussed in Section 2.4.2 of the IWP (LANL 1996, 55574). In general, the IWP suggests that the Bandelier Tuff is not saturated, except in very shallow and localized areas. The low moisture content and extensive thickness of unsaturated rock is believed to impede movement of fluids downward to the main aquifer (LANL 1996, 55574).

Hydrologic characteristics of unfractured Bandelier Tuff depend on degree of welding, with porosity and hydraulic conductivity generally decreasing with increased degree of welding. Brown et al. (1988, 06871, pp. 5–7) investigated hydraulic conductivity and gravimetric moisture for tuff samples recovered during 1987 drilling operations at Area P. Samples obtained during drilling at Area P were not saturated, according to these workers. At Los Alamos, saturated hydraulic conductivity for a moderately welded tuff ranges from 0.1 to 1.7 ft/day and for a welded tuff ranges from 0.009-0.26 ft/day (Abeele et al. 1981, 06273). However, because fracture density is generally greatest in welded tuffs, saturated hydraulic conductivities are often highest in the welded parts of ash flow deposits (Crowe et al. 1978, 05720).

Table B-4.2-1 summarizes gravimetric moisture data collected by Brown et al. (1988, 06871, pp. 5–7). Nyhan (1989, 06890) reports volumetric water content data for three of the monitoring wells at Area P. In Bandelier Tuff samples, Nyhan reports low volumetric water contents in the background well (P-12), and significantly higher (up to 36%) volumetric water contents in core holes nearer the landfill (P-13 and P-16). He ascribes these higher volumetric water contents to an unlined drainage ditch that traverses the southern landfill boundary.

Table B-4.2-1
Average Gravimetric Moisture Contents of Bandelier Tuff, Unit 3

Subunit	Mean (%)	Standard Deviation	Range (%)
3d	5.2	3.6	2.2-17.7
3c	6.1	3.5	1.9-24.7
3b	5.7	2.1	2.3-11.4
3a	3.8	1.4	2.3-5.8
Total unit	5.8	3.0	1.9-24.7

Although the range of 1.9% to 24.7% for background volumetric water content is considered low, these values exceed gravimetric moisture contents for technical areas further to the south and east (5 to 11% at TA-33, 2 to 20% for TA-54; Brown et al. 1988, 06871, p.5) and values reported in the IWP (5%). This higher range may be a result of increased rainfall at TA-16 relative to the eastern portions of the Laboratory. Saturation of the Tshirege Member of the Bandelier Tuff, and thus groundwater, occurs at a gravimetric moisture content of 29% (Abrahams 1963, 08149). When moisture content is below 7%, there is no water movement; between 7 and 21% moisture is redistributed by diffusion; between 21 and 29% it is mobilized by gravity and capillarity; and above 29%, movement is by gravity drainage. Thus, at Area P the primary mechanism of moisture movement is by diffusion.

B-4.2.2 LANL Hydrologic Work Plan

Four deep groundwater wells to the regional aquifer are due to be installed in and around TA-16 as part of sitewide hydrogeologic studies scheduled for FY98 to FY05 (LANL 1996, 55430). These four wells will be drilled in the following locations: (1) east of TA-16-260, (2) at the confluence of Cañon de Valle and Water Canyon, (3) at NM State Highway 501 and Cañon de Valle, and (4) at NM State Highway 501 and Water Canyon (Figure B-4.0-1).

B-4.2.3 Alluvial Waters

The material presented directly below is extracted from Section 3.5 of the RFI work plan for TA-16. The material that follows that extract is new information on alluvial aquifers at TA-16 that has been obtained since 1993.

> Surface water in saturated alluvium within canyons is discussed in Section 2.4.2 of the IWP (LANL 1996, 55574.1). Surface water occurs primarily as ephemeral streams in the two major canyons adjacent to TA-16, although perennial water flow occurs in parts of Cañon de Valle and Water Canyon because of spring and seep discharge. Stream flow moves downgradient into the alluvium for an unknown distance. Stream loss caused by infiltration into the underlying alluvium typically prevents water flow from discharging across the eastern boundary of the TA-16. During periods of voluminous stream runoff or snowmelt, surface flow may reach the Rio Grande.

An extensive near-surface alluvial system is present in Cañon de Valle.

Six alluvial wells were drilled at five locations at TA-16 during fall 1997 as part of the RFI Phase II activities for PRS 16-021(c). Results for these wells are provided in Section 3. Locations of these wells are shown on Figure 4.0-1. Depths to tuff ranged from 4-6 ft. All five locations contained saturated intervals at depths starting from 1 to 3 ft. Alluvial wells were installed at all locations. Wells will be sampled quarterly.

The downgradient extent of this alluvial system is unknown. Alluvial wells installed in Water Canyon 2-4 several miles east of TA-16 have not contained a saturated zone since they were installed during 1989.

B-4.2.4 Perched Waters

Perched water may occur in epiclastic sediments and basalts in the Pajarito Plateau (IWP, Section 2.6.5) (LANL 1996, 55574). Borehole SHB-3, which was drilled in November 1991 near the western margin of TA-16 (Figure B-3.0-1), erupted large quantities of water (estimated at 10–15 gal. per minute) following injection of air at a depth of 750 feet. Either the main aquifer or a perched aquifer was reached at this depth. Calculations suggest that the top of the water column filling SHB-3 could have been no deeper than 365 ft. This result implies that the groundwater system has sufficient head to drive water up natural conduits such as faults and fractures, potentially forming a perched aquifer. Water samples were taken from SHB-3 during the summer of 1993, analysis of which suggests that they represent groundwater. These data show sporadically elevated values of lead, phosphate, rubidium, and ammonium relative to background spring data (Blake et al. 1995, 49931). Static water depth in SHB-3 was roughly 664 ft during 1992 (Environmental Protection Group 1994, 52951). The possible nature and location of perched aquifers in and around TA-16 is not known. Further investigation of fluids in SHB-3 is required to determine whether the fluids represent perched water or the main aquifer.

Several springs and seeps have been identified at TA-16 during the past four years (Figure 4.0-1). All three springs, SWSC, Burning Ground, and Martin Spring appear to discharge from near the Qbt_3/Qbt_4 contact. All the springs and seeps are contaminated with constituents (e.g., barium, boron, HE, solvents) at levels above background (see Section 4). Martin Spring appears to be the most highly contaminated. The presence of these springs shows the existence of one or more perched zones at a shallow level beneath TA-16.

The Phase II sampling and analysis campaign for PRS 16-021(c) (1) sampled these springs on a quarterly basis; (2) implemented a tracer study that suggest hydrologic connectivity between the TA-16-260 outfall and SWSC Spring; and (3) drilled several intermediate-depth hydrologic boreholes, two of which contained water for less than one month (see Section 4).

B-4.2.5 Regional Aquifer

As described in the IWP, the regional aquifer is located primarily in the Santa Fe Group and Puyé Formation at depths of several hundred to greater than 1000 ft below the mesa tops of the Pajarito Plateau (Section 2.4.2.2 of the IWP, LANL 1996, 55574). At TA-16, few constraints on the hydrology of the regional aquifer exist. The depth to the regional aquifer at TA-16 has not been determined directly by drilling. The nearest borehole that penetrates the regional aquifer is located at TA-49, 2-3 miles to the east of the operational areas of TA-16. This borehole, which was drilled in 1959, encountered the regional aquifer at a static water level of 5971 ft. The nearest production well to TA-16 is PM-2, located in Pajarito Canyon 4–5 miles east of the operational areas at TA-16. These data suggest that the regional aquifer is at

a depth of greater than 1000 ft beneath TA-16, unless the regional potentiometric surface bows up significantly (for which there is no evidence) near the Pajarito fault zone. No boreholes into the regional aquifer have been drilled to the west of TA-16, in the presumed upgradient direction for the regional aquifer.

Based on current knowledge of the hydrology of the Plateau as reflected in the IWP, the potential for impact on the main aquifer or the municipal drinking water supply from the SWMUs in TA-16 is thought to be extremely low. Well R-25 will be completed to the main aquifer during early 1999 between PRS 16-021(c) and MDA-P.

B-4.3 Conceptual 3-D Geologic/Hydrologic Model of TA-16

A general conceptual model for TA-16 is described in the RFI Work Plan for OU 1082 (LANL 1993, 20948) and is presented in simplified diagrammatic form in Figure 3-7 (p. 3-20 of that plan). A TA-16-260-specific conceptual model is included as Figure 5.1-1 in this report. The physical processes and major pathways included in the model are based on current knowledge of the geology and hydrology of TA-16. The processes and pathways discussed below provide the basis for the SWMU-specific conceptual models for potential contaminant releases presented in Section 5.2 of this document. The primary release mechanisms and migration pathways of concern are

- surface runoff and sediment transport,
- erosion and surface exposure,
- fluid transport via alluvial aquifer, perched water and springs and seeps,
- infiltration and transport in the vadose zone, and
- atmospheric dispersal of particulates (valid for areas where explosives are burned).

These pathways are believed to provide the greatest potential for release and transport of contaminants to the environment at TA-16.

B-4.3.1 Surface Water Runoff and Sediment Transport

Surface water runoff and sediment transport are the migration pathways of greatest concern for transport of contaminants to off-site receptors. Surface water runoff is concentrated by natural topographic features and man-made diversions, and flows toward the canyons. A topographic low can cause runoff to pond and infiltrate into the mesa top, or facilitate sorption of contaminants onto finer-grained clay-rich sediments or organic particles. Contaminant transport by surface water runoff can occur in solution, by adsorption on suspended colloids, or with movement of heavier bedload sediments. Surface soil erosion and sediment transport are functions of soil properties and runoff intensity. Contaminants transported in runoff can disperse or concentrate in sediment traps in drainages. Erosion of drainage channels can disperse contaminants downgradient in a drainage.

B-4.3.2 Erosion and Surface Exposure

Soil erosion and mass wasting are long-term release mechanisms that may expose subsurface contaminants or allow water to access previously contained wastes. Erosion of surface soils depends on

soil properties, vegetative cover, slope, exposure, intensity and frequency of precipitation, and seismic activity. Mass movements of rock from canyon walls is a discontinuous process that generally proceeds at a slow rate, but can be an important mechanism for exposing subsurface contaminants located near canyon rims.

B-4.3.3 Fluid Transport via Alluvial Aquifers, Perched Water, and Springs and Seeps

Transport of fluids via perched alluvial aquifers to springs and seeps is thought to be an important mechanism for contaminant transport at the TA-16-260 outfall. Infiltration of fluids into the subsurface may occur by porous flow into the soil, alluvium, and bedrock, and by flow through fractures which intersect the surface of the bedrock. Water may be concentrated within units of the Bandelier Tuff, particularly those overlying more densely welded units which retard downward transport of water. Within the Bandelier Tuff, water may move laterally in response to gradients on the welded horizons until it is able to move downward, either through porous flow through the tuff or along fractures (Figure 5.1-1 of this report). The more welded units of the Bandelier tuff may fracture more readily than the intervening porous (i.e., powder) units, promoting transport of contaminants through the bedrock tuff.

B-4.3.4 Infiltration and Transport in the Vadose Zone

Infiltration into surface soils and tuffs depends on the rates of precipitation and snowmelt, the amount of ponding, the nature of vegetation, in situ moisture content, and the hydraulic properties of soil and tuff. Joints and faults may provide pathways for infiltration and release of contaminants into the shallow subsurface. Movement of liquids in soil and tuff is dominated by transient, unsaturated flow processes influenced by infiltration and evapotranspiration. The movement of contaminants by liquids in the unsaturated zone can occur in a free-liquid phase, in solution, or by adsorbed particles on colloids. Contaminants may be retarded as a result of adsorption on tuff or on organic material present in soil or alluvium. Precipitation of insoluble, contaminant-rich minerals such as barite may also retard the mobility of specific contaminants. Lateral flow or perched water may occur at unit contacts, between layers whose hydraulic properties differ, and in alluvial aquifers. Saturated lateral flow may discharge as springs or seeps on canyon walls or in canyon bottoms. Vapor phase movement in the unsaturated zone is a potentially important transport mechanism for volatile contaminants. Movement of contaminants in the vapor phase is influenced by concentration gradients, temperature gradients, density gradients, and/or air pressure gradients. Fractures may enhance liquid-phase or vapor-phase contaminant transport in the subsurface.

B-4.3.5 Atmospheric Dispersion

Wind entrainment of contaminated particulates, detonation or burn products, material releases from point sources such as stacks, or volatile organic compounds is a potential pathway for atmospheric dispersal of contaminants. This dispersal mechanism is limited to HE detonation and combustion by-products, surface contaminants, and vapors released from soil pore gases, as well as point sources. Entrainment and deposition of particulates is controlled by soil properties, surface roughness, vegetative cover, terrain, and atmospheric conditions including wind speed, wind direction, and precipitation. Vapor dispersion is controlled by similar factors.

Not all release mechanisms and migration pathways discussed in this section are believed to be significant for all SWMUs.

B-5.0 ECOLOGICAL RESOURCES

B-5.1 Introduction

The material in this section summarizes the information gathered from previous field surveys conducted to provide biological background information about TA-16 and surrounding areas. The surveys were organized (1) to determine if species protected by the state or federal government were present; (2) to determine if sensitive habitats were present; and (3) to gather baseline data for future studies on plant and wildlife species in the project area. This information was needed to resolve whether or not the project being performed would affect any or all regions of the ecological habitat and the mitigation measures needed to protect these aspects. These assessments also contain data that may aid in defining ecological pathways and site restoration.

B-5.2. Pertinent Regulations

Field surveys were conducted to comply with the amended Federal Endangered Species Act of 1973 (USFWS 1988, 58699), New Mexico's Wildlife Conservation Act (1974, 58859), New Mexico Endangered Plant Species Act (New Mexico Natural Resource Department 1985, 0546), Executive Order 11990 "Protection of Wetlands" (1977, 0634), Executive Order 11988 "Floodplain Management" (1977, 0635), 10 CFR 1022 "Compliance with Floodplain/Wetland Environmental Review Requirements" (DOE 979, 58702), and Department of Energy (DOE) Order 5400.1 (DOE 1988, 55610). Table B-5.2-1 (Raymer 1996, 59095, p. 75) provides a summary of these pertinent regulations.

B-5.3 Methodology

The purpose of the surveys was three-fold. The first was to determine the presence or absence of critical habitat for any State or Federal sensitive, threatened, or endangered plant or animal species potentially occurring within TA-16 boundaries. Second, surveys were conducted to determine the presence of sensitive areas, such as flood plains and wetlands, within the areas to be sampled and the extent of such areas and their general characteristics. The third purpose was to provide additional plant and wildlife data concerning the habitat types within TA-16. These data provide further baseline information about the biological components of the site characterization and a determination of pre-sampling conditions. This information is also necessary to support the National Environmental Policy Act (NEPA) documentation and determination of a categorical exclusion for the sampling plan for site characterization.

TA-16 personnel propose to collect surface and subsurface sediment samples. Subsurface characterization will involve drilling holes up to or exceeding 200 ft deep. In some locations, trenching may be necessary.

After searching the data base maintained in EM-8 (which is updated a minimum of twice per year) containing the habitat requirements for all State- and Federally-listed threatened, endangered, and sensitive plant and animal species known to occur within the boundaries of Los Alamos National Laboratory and surrounding areas, a habitat evaluation survey (Level 2) was conducted. A Level 2 survey is performed when there are areas that are not highly disturbed which could potentially support threatened and/or endangered species. Techniques used in a Level 2 survey are designed to gather data

Table B-5.2-1
Summary of Pertinent Regulations

Bald Eagle Protection Act	Provides guidelines and requirements for the protection of Bald Eagles and their habitats.
Code of Federal Regulations 10 CFR 1022	Establishes policy and procedures for discharging the Department of Energy's responsibilities with respect to compliance with EO 11988 and EO 11990.
Department of Energy Order 5400.1	Establishes the environmental protection program for DOE operations.
The Endangered Species Act (16 USC 1531 et seq)	Declares the intention of Congress to conserve threatened and endangered species and the ecosystems on which those species depend.
Executive Order (EO)11990	Protection of Wetlands. In furtherance of the National Environmental Policy Act of 1969, this EO calls for avoidance, "to any extent possible, the long and short term adverse impacts associated with the destruction or modification of wetlands...avoid direct or indirect support of new construction in wetlands.."
Executive Order 11998	Floodplain Management. This EO was initiated to "protect lives and property with the need to restore and preserve natural and beneficial floodplain values..."
Migratory Bird Treaty Act (16 USC 703-711):	Declares the protection of wild birds from collecting and maiming. Wild birds exclude resident game bird, English sparrows, starlings, and feral pigeons.
National Environmental Policy Act	Declares a national policy to encourage a productive and enjoyable harmony between man and his environment. Section 102 requires "that presently unquantified environmental amenities and values may be given appropriate consideration in decision-making along with economic and technical considerations..."
New Mexico Endangered Plant Species Act	Provides protection for all threatened and endangered plant species as listed by the state of New Mexico.
New Mexico Wildlife Conservation Act	Gives jurisdiction to the New Mexico Department of Game and Fish over all indigenous, non-domestic vertebrate species, crustaceans, and mollusks. Also states that federal activities that result in harassment or attempted harassment are prohibited.
Resource Conservation and Recovery Act	Public Law 94-80. Outlines requirements for hazardous waster storage and improvement of solid waste systems and promotes recycling.
Section 404 Clean Water Act	Provides for issuance of "permits" after notice and opportunity for public hearings of discharged or dredged or fill materials into navigable waters.

on the per cent cover, density, and frequency of both the understory and overstory components of the plant community. The details of these surveys is then incorporated into a full report "Biological and Floodplain/Wetland Assessment for Environmental Restoration Program, Operable Unit 1082," to be sent to the U.S. Fish and Wildlife Service (USFWS) for concurrence.

The habitat information gathered through the field surveys was then compared to the habitat requirements for species of concern as identified in the database search. If habitat requirements were not met, then no further surveys were conducted and the site was considered cleared for impact on State- and Federally-listed species. If habitat requirements were met, then specific surveys for the species of concern were conducted. These surveys were done in accordance with pre-established survey protocols. These protocols often require certain meteorological and/or seasonal conditions to perform.

In each location, all wetlands and floodplains within the survey area were noted using a National Wetlands Inventory map and field checks. Characteristics of wetlands, floodplains, and riparian areas are noted using criteria outlined in the Army Corps of Engineers Wetlands Delineation Manual (1987, 12540).

B-5.4 Threatened, Endangered, and Sensitive Species

B-5.4.1 Regional Lists

The following table presents the list of threatened and endangered (T&E) species potentially occurring in or near TA-16.

Table B-5.4-1
Federally Threatened and Endangered Wildlife Species Potentially Occurring Within or Near the Project Area

Scientific Name	Common Name	Status[a]	Habitat	Potential to Occur[b]
Empidonax trailii extimus	Southwestern willow flycatcher	FE	Riparian areas with stands of willow, buttonbush, or tamarisk.	Low
Falco peregrinus anatum	American peregrine falcon	FE	Ponderosa-piñon; cliffs and rock outcrops on cliffs.	Low
Falco peregrinus tundrius	Arctic peregrine Falcon	FE (Ap)	Occasional during migration.	Low
Grus americana	Whooping crane	FE (Ex)	Rivers, marshes, and swamps.	Low
Haliaeetus leuccephalus	Bald eagle	FT	Permanent rivers, lakes, and large streams cliffs or large trees.	Low
Mustela nigripes	Black-footed ferret	FE	Greater than 32 ha (80 ac) of prairie dog towns.	Low
Strix occidentalis lucida	Mexican spotted owl	FT	Forested mountains and canyons. Generally uneven-aged, multi-storied forest with closed canopy.	High

a. Codes for Legal Status: FE = federally endangered; FT = federally threatened; FE (Ap) = federally endangered by similarity of appearance; FE (Ex) = federally endangered, but New Mexico population is an experimental nonessential population

b. Potential to Occur: High = species is known to occur in the area; Moderate = the area has some species habitat components; Low = the area does not have species habitat components

B-5.5 Results and Mitigation

B-5.5.1 Habitat Description

B-5.5.1.1 Previous Vegetation Studies

A few vegetation analyses and surveys have been conducted within portions of the canyons and mesa tops of the project area and in surrounding areas. These surveys are noted on Table 5.5-1 (Dunham 1996, 52032 pp. 3-4; Raymer 1996, 59095 p. 27). These studies include previous (before 1993) floristic surveys of the Los Alamos National Laboratory, a study conducted on outfalls throughout the Laboratory, and observational data. All of these studies and surveys were conducted as observational data or by quadrat method on a line transect.

Table B-5.5-1
Previous Surveys on Plant Species Within or Near the Project

Project	Date	Authors
Biological Survey 77-008	1977-78	Foxx and Tierney
Status of the flora of the Los Alamos Environmental Research Park	1980	Foxx and Tierney
Status of the flora of the Los Alamos Environmental Research Park: A historical perspective	1984	Foxx and Tierney
Preliminary vegetation survey of Area P	1985	Foxx
Vegetation survey of the Waste Fired Boiler site technical area (TA) 16	1988	Foxx
Inventory and mapping of LANL's floodplains and wetlands	1990	USFWS, NWI
Potential use of NPDES outfalls for wildlife watering	1992	Edeskuty, Foxx, and Raymer
Determination of 100-year floodplain elevations at Los Alamos National Laboratory	1992	McLin

A complete checklist of plant species identified during these surveys, in addition to the species found in more recent field surveys, is provided in Table B-5.5-2 (Raymer, 1996, pp. 84-91, 59095).

Table B-5.5-2
Plant Species Confirmed and Potentially Occurring within OU 1082

Family	Scientific Name	Common Name	Indicator Status[a]
Aceraceae	*Acer glabrum neomexicanum*	New Mexico maple	FAC
	Acer negundo	Box elder	FACU
Anacardiaceae	*Rhus radicans*	Poison ivy	—
	R. Trilobata	Squawbush	—
Apocynaceae	*Apocynum androsaemifolium var. Androsaemifolium*	Spreading dogbane	—

Table B-5.5-2 (continued)
Plant Species Confirmed and Potentially Occurring within OU 1082

Family	Scientific Name	Common Name	Indicator Status[a]
Asclepiadaceae	*Asclepias tuberosa*	Butterflyweed	—
Berberidaceae	*Berberis fendleri*	Colorado barberry	—
Betulaceae	*Betula occidentalis*	Water-birch	FACW
Boraginaceae	*Hackelia hirsuta*	Beggerlice	—
	Lappula texana	Stickseed	—
	Lithospermum incisum	Fringed puccoon	—
	L. Multiflorum	Many-flowered stoneseed	—
	Mertensia lanceolata fendleri	bluebells	—
	M. Lanceolata secundorum	Bluebells	—
Cactaeae	*Echinocereus triglochidiatus*	Claret-cup cactus	—
Campanulaceae	*Campanula rotundifolia*	Harebell	FAC
Caryophyllaceae	*Arenaria fendleri*	Fendler sandwort	—
	Cerastium sp.	Chickweed	—
	Stellaria jamesiana	James starwort	—
Celastraceae	*Pachystima myrsinites*	Myrtle boxleaf	—
Chenopodiaceae	*Chenopodium album*	Lamb's quarters	FAC,FACU
	C. Fremontii	Fremont goosefoot	—
	C. Gigantospermum	Chenopodium	—
	C. Graveolens	Chenopodium	—
Compositae	*Achillea lanulosa*	Western yarrow	—
	Ambrosia coronopifolia	Ragweed	—
	A. Psilostachya	Western ragweed	FAC
	Anaphalis margaritaceae	Pearly-everlasting	—
	Anatennaria parvifolia	Pussytoes	—
	Artemisia bigelovii	Bigelow sagebrush	—
	A. Carruthii	Wormwood	—
	A. Dracunculus	False tarragon	—
	A. Francunculus	Ragweed sagebrush	—
	A. Frigida	Estafiata	—
	A. Ludoviciana	Wormwood	—
	A. Sp.	Wormwood	—
	Aster bigelovii	Bigelow aster	—
	A. Laevis	Smooth aster	—
	A. Sp.	Golden aster	—
	Bahia dissecta	Wild chrysanthemum	—

Table B-5.5-2 (continued)
Plant Species Confirmed and Potentially Occurring within OU 1082

Family	Scientific Name	Common Name	Indicator Status[a]
Compositae	*Brickellia californica*	California brickellia	FACU
	B. Grandiflora	Tasselflower	—
	B. Sp.	Bricklebush	—
	Chrysopsis villosa	Golden aster	—
	Chrysothamnus nauseosus	Chamisa, rubber rabbit brush	—
	Cirsium neomexicanum	New mexico thistle	—
	C. Pallidum	Thistle	FACW
	C. Sp.	Thistle	—
	Conyza canadensis	Horseweed	FAC, FACU
	Erigeron divergens	Fleabane daisy	—
	E. Flagellaris	Trailing fleabane	FAC
	E. Nudiflorus	Fleabane	—
	E. Philadelphicus	Common fleabane	—
	E. Sp.	Daisy	—
	E. Subtinervis	Three-nerve fleabane	—
	Franseria acanthicarpa	Bursage	—
	Grindelia aphanactis	Gumweed	—
	G. Sp.	Gumweed	—
	Gutierrezia sarothrae	Snakeweed	—
	Helianthus petiolaris	Prairie sunflower	—
	Hymenopappus filifolius	White ragweed	—
	Hymenoxys argentea	Perky sue	—
	H. Richardsonii	Bitterweed	—
	Pericome caudata	Taperleaf	—
	Ratibida columnifera	Prairie coneflower	—
	R. Sp.	Coneflower	—
	Rudbeckia hirta	Black-eyed susan	FACU
	R. Lanciniata	Cutleaf coneflower	FACW
	R. Sp.	Black-eyed susan	—
	Senecio bigelovii	Bigelow groundsel	—
	S. Cymbalarioides	Groundsel	—
	S. Dimorphophyllus	Groundsel	—
	S. Eremophilus var. Macdougalii	groundsel	—
	S. Fendleri	Groundsel	—
	S. Mutabilis	Groundsel	—
	Solidago sp.	Goldenrod	FACU

Table B-5.5-2 (continued)
Plant Species Confirmed and Potentially Occurring within OU 1082

Family	Scientific Name	Common Name	Indicator Status[a]
Compositae	*Taraxacum officinale*	Dandelion	FACU
	Thelesperma trifidum	Greenthread	—
	Townsendia escapa	Easter daisy	—
	T. Incana	Townsend's aster	—
	Tragopogon dubius	Salisfy, goatsbeard	—
	T. Sp.	Salisfy	—
	Verbesina encelioides	Crownbeard	FAC
	Viguiera multiflora	Showy goldeneye	—
Cruciferae	*Arabis fendleri*	Fendler's rockcress	FACU
	Capsella bursa-pastoris	Shepherd's purse	FAC
	Descurainia richardsonii	Tansy mustard	—
	Subsp. Incisa		
	D. Sophia	Tansy mustard	—
	Erysimum capitatum	Western wallflower	—
	Rorippa nasturtium-aquaticum	Watercress	—
	Thlaspi alpestre	Mountain candytuft	FACU
Cupressaceae	*Juniperus monosperma*	One-seeded juniper	—
	J. Scopulorum	Rocky mountain juniper	—
Cyperaceae	*Carex spp.*	Sedge	FACW/FAC/O/BL
	Cyperus esculentus	Nutsedge	FACW
	Scirpus sp.	Bulrush	—
Equisetum	*Equisetum hiemale*	Horsetail	—
	E. Laevigatum	Smooth horsetail	FACU
Ericaceae	*Arctostaphylos uva-ursi*	Bearberry	—
	Pterospora andromedea	Pinedrop	—
Fagaceae	*Quercus gambelii*	Gambel oak	—
	Q. Sp.	Oak	—
	Q. Undulata	Wavyleaf oak	—
Fumariaceae	*Corydalis aurea*	Golden smoke	—
Gentianaceae	*Gentiana bigelovii*	Bigelow gentian	—
	G. Sp.	Gentian	—
Geraniaceae	*Geranium caespitosum*	James geranium	—
	G. Richardsonii	Richardson geranium	FAC
	G, sp.	Geranium	FAC

Table B-5.5-2 (continued)
Plant Species Confirmed and Potentially Occurring within OU 1082

Family	Scientific Name	Common Name	Indicator Status[a]
Gramineae	*Agropyron cristatum*	Crested wheatgrass	—
	A. Desertorum	Russian wheatgrass	—
	A. Sp.	Wheatgrass	—
	A. Smithii	Western wheatgrass	FAC
	A. Trachycaulum	Slender wheatgrass	FAC
	Agrostis alba	Redtop bent	FACW
	Andropogon gerardii	Big bluestem	FAC
	A. Scoparius	Little bluestem	—
	Aristida sp.	Threeawn	—
	Blepharoneuron tricholepsis	Pine dropseed	—
	Bouteloua curtipendula	Side-oats grama	—
	B. Gracilis	Blue grama	—
	Bromus anomalus	Nodding brome	—
	B. Inermis	Smooth brome	—
	B. Japonicus	Japanese brome	FACU
	B. Sp.	Bromegrass	FACU
	B. Tectorum	Downy chess	—
	Dactylis glomerata	Orchard grass	—
	Echinochloa colonum	Junglegrass	—
	E. Crusgalli	Barnyard grass	—
	Elymus canadensis	Canada wildrye	FAC
	Festuca ovina	Sheep fescue	—
	Koeleria cristata	Junegrass	—
	Muhlenbergia montana	Mountain muhly	—
	M. Wrightii	Spike muhly	FACU
	Phleum pratense	Common timothy	FACU
	Poa fendleriana	Mutton grass	—
	P. Interior	Inland bluegrass	—
	P. Pratensis	Kentucky bluegrass	FACU
	P. Sp.	Bluegrass	FAC/FACU
	Sitanion hystrix	Bottlebrush squirreltail	—
	Stipa sp.	Needle grass	—
Juncaceae	*Juncus interior*	Inland rush	FACW
	J. Spp.	Rush	FACW
Labiatae	*Moldavica parviflora*	Dragonhead	—
	Monarda menthaefolia	Beebalm, horsemint	—
	M. Pectinata	Ponymint	—

Table B-5.5-2 (continued)
Plant Species Confirmed and Potentially Occurring within OU 1082

Family	Scientific Name	Common Name	Indicator Status[a]
Leguminosae	*Lathyrus arizonicus*	Peavine	—
	Lotus wrightii	Deervetch	—
	Lupinus caudatus	Tall lupine	—
	L. Sp.	Lupine	—
	Medicago sativa	Alfalfa	—
	Melilotus albus	White sweet clover	FACU
	M. Officinalis	Yellow sweet clover	FACU
	M. Sp	Clover	—
	Robinia neomexicana	New mexico locust	—
	Thermopsis pinetorum	Pine goldenpea	—
	Trifolium procumbens	Clover	—
	T. Repens	White clover	—
	Vicia americana	American vetch	—
Liliaceae	*Allium cernuum*	Nodding onion	—
	A. Sp.	Wild onion	—
Linaceae	*Linum neomexicana*	New mexico yellow flax	—
Loasaceae	*Mentzelia pumila var. Pumila*	Blazing star	—
Loranthaceae	*Phoradendron juniperinum*	Juniper mistletoe	—
Moraceae	*Humulus americanus*	Hop	—
Nyctaginaceae	*Mirabilis linearis*	Four-o'clock	—
	Oxybaphus linearis	Desert four-o'clock	—
Oleaceae	*Forestiera neomexicana*	New mexico olive	FACU
Onagraeae	*Epilobium angustifolium*	Fireweed	FAC
	E. Ciliatum	Willowweed	FACW
	E. Sp.	Fireweed	—
	Gaura coccinea	Gaura	—
	Oenothera coronopifolia	Cutleaf evening primrose	—
	O. Hookeri	Hooker's primrose	—
Orchidaceae	*Corallorhiza maculata*	Spotted coralroot	—
	Habenaria sparsiflora	Bog orchid	—
Oxalidaceae	*Oxalis violacea*	Violet wood-sorrel	—
Pinaceae	*Abies concolor*	White fir	—
	Pinus edulis	Pinon pine	—
	P. Flexilis	Limber pine	—
	P. Ponderosa	Ponderosa pine	FACU
	Pseudotsuga menziesii	Douglas fir	—
Plantaginaceae	*Plantago purshii*	Woolly indianwheat	—

Table B-5.5-2 (continued)
Plant Species Confirmed and Potentially Occurring within OU 1082

Family	Scientific Name	Common Name	Indicator Status[a]
Polemoniaceae	*Ipomopsis aggregata*	Desert trumpet	—
Polygonaceae	*Eriogonum jamesii*	Antelope sage	—
	E. Racemosum	Wild buckwheat	—
	E. Sp.	Wild buckwheat	—
	Polygonum convolvulus	Black bindweed	FACU
	Rumex sp.	Dock	FACU
Polypodiaceae	*Cystopteris fragilis*	Brittle fern	—
Primulaceae	*Androsace septentrionalis*	Rock-jasmine	FAC
	Var.subulifera		
Ranunculaceae	*Actaea arguta*	Western baneberry	—
	Clematis pseudoalpina	Rocky mountain clematis	—
	Pulsatilla ludoviciana	Pasque flower	—
	Rununculus cardiophyllus	Buttercup	FACW
	Thalictrum fendleri var. Fendleri	Meadowrue	FACU
Rhamnaceae	*Ceanothus fendleri*	Buckbrush	—
Rosaceae	*Agrimonia striata*	Agrimony	FAC
	Cercocarpus montanus	Mountain mahogany	—
	Fallugia paradoxa	Apache plume	—
	Fragaria americana	Wild strawberry	—
	Petentilla fruticosa	Shruby potentilla	FACW
	P. Hippiana	Cinquefoil	—
	P. Norvejica	Norway potentilla	FAC
	P. Pulcherrima	Beauty cinquefoil	—
	P. Sp.	Cinquefoil	OLB/FACU/FACW
	Prunus virginiana	Chokecherry	FAC
	Rosa woodsii var. Fendleri	Fendler's rose	FACU
	Rubus strigosus	Wild raspberry	FAC
Rubiaceae	*Galium asperrimum*	Rough-stemmed bedstraw	—
	G. Boreale	Northern bedstraw	FAC
	G. Sp.	Bedstraw	—
Salicaceae	*Populus tremuloides*	Aspen	FACU
	Salix exigua	Sandbar willow	—
	S. Spp.	Willow	FACW
Saxifragaceae	*Heuchera parvifolia*	Alumroot	—
	Jamesia americana	Cliff bush	FACU
	Philadelphus microphyllus	Mockorange	—

Table B-5.5-2 (continued)
Plant Species Confirmed and Potentially Occurring within OU 1082

Family	Scientific Name	Common Name	Indicator Status[a]
Saxifragaceae	*Ribes cereum*	Wax current	—
	R. Inerme	Gooseberry	FACW
Scrophulariaceae	*Castilleja integra*	Indian paintbrush	—
	Orthocarpus luteus	Yellow owl-clover	FACU
	Penstemon barbatus var. Torreyi	Scarlet bugler	—
	P. Sp.	Penstemon	—
	P. Secundiflorus	Beardstongue	—
	P. Virgatus	Variegated penstemon	FACU
	Verbascum thapsus	Mullein	—
	Veronica americana	American brooklime	OBL
Solanaceae	*Physalis neomexicana*	Ground cherry	—
Typhaceae	*Typha angustifolia*	Narrow-leaved cattail	OBL
	T. Latifolia	Cattail	OBL
Umbelliferae	*Heracleum lanatum*	Cow parsnip	OBL
	Ligusticum porteri	Lovage	—
	Pseudocymopterus montanus	Mountain parsley	—
Valerianaceae	*Valeriana acutiloba*	Valeriana	—
	V. Capitata	Tabocco root	—
	V. Sp.	Valeriana	—
Violaceae	*Viola adunca*	Western dog violet	FAC
	V. Canadensis	Canada violet	—
	V. Pedatifida	Larkspur violet	—
Vitaceae	*Parthenocissus inserta*	Virginia creeper	—
Lichen	*Usnea sp.*	Old man's beard lichen	
	Xanthroparmelia sp.	Green rock lichen	

a. INDICATOR STATUS definitions

FAC = Facultative: Equally likely to occur in wetlands or nonwetlands.

FACU = Facultative Upland: Usually occur in nonwetlands; occasionally found in wetlands.

FACW = Facultative Wetland: Usually occur in wetlands; occasionally found in nonwetlands.

OBL = Obligate Wetland: Occur almost always under natural conditions in wetlands.

UPL = Obligate Upland: Occur in wetland in another region, but occur almost always under natural conditions in nonwetlands in the region specified.

If a species does not occur in wetlands in any region, it is not on the National List.

B-5.5.1.2 Summary of Current Habitat Composition

Table B-5.5-3 lists climatic zones and communities found in north-central New Mexico and typical plant species of each (LANL 1997, 59378, p.118). Many of these plant communities are found over the eastern slopes of the Jemez Mountains and the Pajarito Plateau (which extends eastward from the Jemez Mountains) and thus occur in Los Alamos county or relatively close to the county borders.

Table B-5.5-3
Climatic Zones and Plant Communities of North-Central New Mexico

Climatic Zone	Plant Community	Typical Plant Species[a]
Upland		
Boreal Forests and Woodlands	Rocky Mountain Subalpine	Englemann spruce
	Conifer Forest and Woodland	Corkbark fir
Cold Temperate Forests and Woodlands	Rocky Mountain Montane	Colorado spruce
	Conifer Forest	White fir
		Douglas fir
		Gambel oak
		Ponderosa pine
	Great Basin Conifer Woodland	Pinyon pine
		One-seed juniper
		Gambel oak
		Ponderosa pine
Arctic-Boreal Grassland	Rocky Mountain Alpine and Subalpine Grassland	Sedge/forb mixture
Cold Temperate Grassland	Plains Grassland Community	Blue grama
		Western wheatgrass
		Galleta
	Great Basin Shrub Grassland	Wheatgrass
		Galleta
		Sagebrush
		Saltbush
	Rocky Mountain Montane	Thurber fescue
	Grassland	Arizona fescue
		Mountain muhly
		Sedge
Wetland		
Cold Temperate Swamp and Riparian Forest	Plains and Great Basin Riparian	Fremont cottonwood
	Deciduous Forest	Willow
	Rocky Mountain Riparian	Narrowleaf cottonwood
	Deciduous Forest	Willow

Table B-5.5-3 (continued)
Climatic Zones and Plant Communities of North-Central New Mexico

Climatic Zone	Plant Community	Typical Plant Species[a]
Arctic-Boreal Swamp-Scrub	Rocky Mountain Alpine and Sub-alpine Swamp and Riparian Scrub	Boxelder
		Narrowleaf alder
		Sandbar willow
		Scoulere willow
	Plains and Great Basin Riparian Scrub	Willow
		Salt cedar
Arctic-Boreal Marshland	Rocky Mountain Alpine and Subalpine Marshland	Rush
	Plains Interior Marshland	Cattail
		Bulrush
	Rocky Mountain Montane Marshland	Rush
Arctic-Boreal Strand	Rocky Mountain Alpine and Sub-alpine Stream and Lake Strand	b
Cold Temperate Strand	Rocky Mountain Montane Stream and Lake Strand	b

[a] Plant species listed are intended as generally representative of a community; they are not necessarily present in all such communities.

[b] These zones are open water; no plant species are associated with them.

The vegetation surveys indicate that there is primarily one vegetation community present within or adjacent to TA-16: the Rocky Mountain Montane Conifer Forest. This community can be further separated into series, and more specifically, habitat types.

Based on the species composition of the transects and their locations within the project area, it could be seen that differences in species dominance were associated with the various topographic differences. Following an overview of the Rocky Mountain Montane Conifer Forest, evaluations of the overstory and understory vegetation community and its phase or habitat type for TA-16 will be presented.

Rocky Mountain Montane Conifer Forest

This community consisted of two vegetation series: the ponderosa pine series and the Douglas fir series. Each of these series could be further divided into habitat types (HT). The ponderosa pine series can be further divided into six HTs. The ponderosa pine/Gambel oak HT is found on the mesa and north-facing slopes. Another HT on the mesa is the ponderosa pine/bluegrass HT found in areas previously used as fields or pastures. Mesa areas burned in the 1977 La Mesa fire are characterized as ponderosa pine/aspen HT. Two HTs are found on south-facing slopes: ponderosa pine/one-seed juniper HT and in burned areas, Gambel oak/mountain muhly HT. Canyon bottoms in the OU exhibit ponderosa pine/Douglas fir HTs. The Douglas fir series contains the Douglas fir/Gambel oak HT which is found on the burned north-facing slopes of Water Canyon. Burned areas typically show proportionally more species of low succession stages and cannot be considered to be in the climax stage.

Vegetation transects in TA-16 were established to evaluate the understory and overstory components of the general habitats and locations shown in Table B-5.5-4.

Table B-5.5-4
General Habitats and Locations

Location	Habitat Type
Mesa	Ponderosa pine/bluegrass
	Ponderosa pine/Gambel oak
	Ponderosa pine/aspen
North-facing slopes	Ponderosa pine/Gambel oak
	Douglas fir/Gambel oak
South-facing slopes	Ponderosa pine/juniper
	Gambel oak/mountain muhly
Canyon bottoms	Ponderosa pine/Douglas fir

Within TA-16 there are an estimated 230 species of plants, 70 species of nesting birds, 39 species of mammals, 2 species of amphibians, and 4 species of reptiles.

Mesa Top

The dominant trees within the mesa overstory vegetation of TA-16 are ponderosa pine (Pinus ponderosa) and aspen (Populus tremuloides). The mesa top shrub layer is primarily composed of Gambel oak (Quercus gambelii) and New Mexico locust (Robinia neomexicana). Dominant forbs and grasses include bluegrass (Poa sp.), mountain muhly (Muhlebergia montana), blue grama (Bouteloua gracilis), pine dropseed (Blepharoneuron tricholepis), wormwood (Artemisia ludoviciana), false tarragon (Artemisia dracunculus), tall lupine (Lupinus caudatus), and cinquefoil (Potentilla sp.). In areas burned by the La Mesa fire, there is extensive regeneration of New Mexico locust and Gambel oak.

North-Facing Slopes

The north-facing slopes of canyons within the OU had overstories dominated by ponderosa pine and Douglas fir (Pseudotsuga mensesii). Dominant shrubs were wax currant (Ribes cerceum) and New Mexico olive (Forestiera neomexicana). The understory layer was dominated by slender wheatgrass (Agropyron trachycaulum), mountain muhly, spike muhly (Muhlenbergia wrightii), western yarrow (Achillea lanulosa), mosses, and wild chrysanthemum (Bahia dissecta).

South-Facing Slopes

South-facing slopes consisted of overstories dominated by ponderosa pine and juniper (Juniperus monosperma); shrub layers dominated by Gambel oak and New Mexico locust; and understories dominated by mountain muhly, little bluestem (Andropogon scoparius), pine dropseed, and wormwood.

Canyon Bottom/Riparian

The canyon bottom of Cañon de Valle within TA-16 shows ponderosa pine and Douglas fir as the dominant tree species; Gambel oak, New Mexico locust, and cliff bush (Jamesia americana) as the

dominant shrub species; and, bluegrass and inland rush (Juncus interior) as the dominant understory species.

B-5.5.2 Wildlife Description

The wide range of plant communities in the Los Alamos County area contain a correspondingly wide range of micro- and macrohabitats. This diversity of habitat results in a relatively wide diversity of wildlife species, including both invertebrates and vertebrates.

B-5.5.2.1 Previous Wildlife Studies

Table B-5.5-5 (Dunham 1996, 52032, pp. 3–4; Raymer 1996, 59095, p. 27) lists several surveys and observational data describing the fauna within portions of the canyons and mesa tops within or adjacent to the project area and surrounding areas. These studies are discussed below with species lists provided for each section.

Table B-5.5-5
Previous Surveys on Wildlife Species within or Near TA-16

Project	Date	Authors
Movements of mule deer on the Los Alamos National Environmental Research Park	1979	Eberhart and White
Mammals of Bandelier National Monument, NM	1980	Guthrie and Large
Effects of fire on small mammals in Bandelier National Monument	1981	Guthrie
Biotelemetry studies on elk	1981	White
The amphibians and reptiles of the Los Alamos National Research Park	1986	Bogart
The ants of Los Alamos County, NM	1986	MacKay et. al
Biological evaluation of proposed Weapon Subsystem Laboratory site	1990	Morrison, 58698
Atlas of the breeding birds of Los Alamos County, NM	1992	Travis, 12015
Inventory survey of bats	unpublished	BRET
Jemez mountains salamander survey behind building16-260	unpublished	Edeskuty, Raymer, and Bennett
Small mammal survey	unpublished	Kent

B-5.5.2.1.1 Invertebrates

Numerous surveys for terrestrial and aquatic invertebrates have been conducted at LANL and Bandelier National Monument. However, the results from these surveys are restricted to localized areas and are limited in regional application.

The information provided below includes the most recent studies and surveys conducted at the Laboratory. In addition, an extensive study has been conducted at Bandelier National Monument; some of the results of that study are discussed here as well.

Studies of terrestrial arthropods have been conducted since the 1970s, and since 1990 they have been conducted on a yearly basis. These studies have been done at various locations within the Laboratory, as well as at control sites outside the Laboratory. To date, 164 families of terrestrial arthropods have been identified on Laboratory property, many down to genus or species. Eighteen species of terrestrial mollusk from 11 families have also been found at LANL. Table B-5.5-6 (Dunham 1996, 52032, Appendix B) provides a checklist of the insects in the TA-16.

Table B-5.5-6
Checklist of Insects in TA-16 and TA-9

Subfamily	Scientific Name	Habitat
Chrysopidae	*Chrysopa spp.*	Riparian
Culicidae	*Aedes spp.*	Riparian
Dolichoderinae	*Liometopum apiculatum*	Ponderosa pine/riparian
	Li. luctuosum	Ponderosa pine/riparian
	Tapinoma sessile	Ponderosa pine/riparian
Formicinae	*Acanthomyops interjectus*	Ponderosa pine
	A. latipes	Ponderosa pine/riparian
	Campontonus herculeanus	Spruce, riparian
	C. laevigatus	Ponderosa pine/riparian
	C. sansabeanus	Ponderosa pine
	C. vicinus	Pond.pine/riparian-Pond.pine
	Formica argentea	Pond.pine/riparian; disturbed site
	F. densiventris	Ponderosa pine/riparian
	F. fusca	Ponderosa pine/riparian
	F. hewitti	Pond.pine/riparian;grassy areas
	F. lasioides	Ponderosa pine/riparian
	F. limata	Ponderosa pine/riparian
	F. neogagates	Highly disturbed areas
	F. neorufibarbis	Riparian
	F. obscuripes obscuripes	Ponderosa pine/riparian
	F. obscuriventris clivia	Ponderosa pine/riparian
	F. occulta	Ponderosa pine/riparian
	F. pergandei	Disturbed areas
	F. planipilis	Ponderosa pine/riparian

Table B-5.5-6 (continued)
Checklist of Insects in TA-16 and TA-9

Subfamily	Scientific Name	Habitat
Formicinae	*F. pozolica*	Ponderosa pine/riparian
	F. subnuda	Ponderosa pine
	Lasius alienus	Ponderosa pine/riparian
	L. crypticus	Ponderosa pine/riparian
	L. flavus	Ponderosa pine/riparian
	L. neoniger	Ponderosa pine/riparian
	L. pallitarsis	Pond.pine/riparian;Pond.pi ne
	L. sitiens	Ponderosa pine
	L. subumbratus	Ponderosa pine/riparian
Libellulidae	*Libellula spp.*	
Myrmicinea	*Crematogaster cerasi*	Ponderosa pine/riparian
	Leptothorax crassipilis	Ponderosa pine/riparian
	Le. muscorum	Pond.pine/riparian;Pond.pi ne
	Le. nitens	Pond.pine/riparian disturbed areas
	Le. obliquicanthus	Highly disturbed areas
	Le. texanus texanus	Ponderosa pine/riparian
	Le. tricarinatus	Ponderosa pine/riparian
	Monomorium cyaneum	Juniper, disturbed areas
	Mo. minimum	Ponderosa pine/riparian
	Myrmecina americana	Ponderosa pine/riparian
	Myrmica bravispinosa	Riparian
	M. emeryana	Riparian/Ponderosa pine
	M. hamulata	Ponderosa pine/riparian
	Polyerqus breviceps	Ponderosa pine
	Pheidole ceres	Pond. pine; Pond. pine/riparian; disturbed areas
	Ph. hyatti hyatti	Riparian
	Ph. sitarches soritis	Disturbed areas
	Ph. wheelerorum	Pond. pine/riparian; disturbed areas

Table B-5.5-6 (continued)
Checklist of Insects in TA-16 and TA-9

Subfamily	Scientific Name	Habitat
Myrmicinea	*Pogonomyrmex occidentalis*	Pond.pine/riparian; Pond.pine; disturbed areas
	Solenopsis molesta	Riparian; Pond.pine/riparian; disturbed areas
	Stenamma occidentale	Ponderosa pine/riparian
Nymphalidae	*Phyciodes spp.*	
	Vanessa virginiensis	
Papilioidae	*Papilio polyxenes asterius*	
	Papilio bairdii	
Ponerinae	*Hypoponera opaciceps*	Riparian

The Laboratory has conducted and continues to conduct numerous studies of aquatic invertebrates in Los Alamos County and its surrounding watersheds. At present, LANL is monitoring aquatic stations at springs along the Rio Grande and on Laboratory property, in the lower canyon confluences with the Rio Grande, and at various Laboratory outfalls. The aquatic communities of Sandia, Guaje, Los Alamos, and Pajarito canyons are also being investigated.

Three species of aquatic snails and two species of freshwater clams have been found on LANL property. Segmented worms, water mites, horsehair worms, scuds, water fleas, copepods, roundworms, and flatworms have also been collected. To date, eight families of stoneflies, six families of mayflies, five families of dragonflies, four families of damselflies, five families of true bugs, thirteen families of caddisflies, one family of nerve-wing, two families of butterflies and moths, ten families of beetles, and sixteen families of true flies have been recorded living in the waters of Los Alamos county and its surrounding watersheds. Table B-5.5-7 (Cross 1997, 59096, pp. 73-75) lists the aquatic invertebrate taxa collected in Cañon de Valle. The aquatic insects belong to 178 genera, and LANL studies have found several taxa in Los Alamos county not previously reported by the State of New Mexico.

B-5.5.2.1.2 Fish

Due to the ephemeral nature of the waterways, no fish have been found on Laboratory property. Fish have been observed in nearby Guaje Canyon, Los Alamos Canyon on U.S. Forestry Service lands, and at the confluence of White Rock Canyon and the Rio Grande. A current U.S. Fish and Wildlife study will determine if fish can survive within LANL canyons, including Cañon de Valle and upper Pajarito Canyon.

Table B-5.5-7

Aquatic Invertebrate Taxa Collected in Cañon de Valle and Starmer's Gulch

Aquatic Insects:

Order	Family	Genus(species)	Location[a]
COLLEMBOLA			SG
EPHEMEROPTERA	Baetidae	Baetis (tricaudatus)	CV, SG
	Baetidae	Diphetor (hageni)	SG
	Baetidae	Centroptilum	CV
	Leptophlebiidae	Paraleptophlebia	CV
	Siphlonuridae	Ameletus	SG
	Tricorythidae	Tricorythodes	CV
PLECOPTERA	Capniidae	Capnia	CV
	Chloroperlidae	Suwallia	SG
	Chloroperlidae	Sweltsa	CV, SG
	Nemouridae	Amphinemura	CV, SG
	Nemouridae	Malenka	CV, SG
	Nemouridae	Prostoia	CV
	Nemouridae	Zapada (cinctipes)	CV, SG
	Perlidae	Hesperoperla (pacifica)	SG
	Perlodidae	Isoperla	CV
HEMIPTERA	Gerridae	Gerris	CV
TRICHOPTERA	Glossosomatidae	Agapetus	SG
	Glossosomatidae	Glossosoma	SG
	Hydropsychidae	Ceratopsyche (oslari)	CV, SG
	Hydroptilidae	Hydroptila	CV
	Hydroptilidae	Stactobiella	CV
	Lepidostomatidae	Lepidostoma	SG
	Limnephilidae	Hesperophylax	CV, SG
	Limnephilidae	Oligophlebodes	SG
	Rhyacophilidae	Rhyacophila (brunnea)	SG
ODONATA	Aeshnidae	Boyeria	CV
	Aeshnidae	Oplonaeschna	CV
	Coenagrionidae	Argia	CV
	Cordulegastreridae	Cordulegastor	CV
COLEOPTERA	Curculionidae		SG
	Dytiscidae	Agabus	CV
	Dytiscidae	Agabinus	CV
	Elmidae	Heterlimnius	SG

Table B-5.5-7 (continued)

Aquatic Invertebrate Taxa Collected in Cañon de Valle and Starmer's Gulch

Aquatic Insects:

Order	Family	Genus(species)	Location[a]
COLEOPTERA	Elmidae	Narpus	SG
	Elmidae	Optioservus	CV, SG
	Hydrophilidae		CV, SG
	Staphylinidae		CV
DIPTERA	Ceratopogonidae		CV
	Chironomidae	Brillia	CV
	Chironomidae	Corynoneura	SG
	Chironomidae	Cricotopus	CV
	Chironomidae	Diamesa	CV
	Chironomidae	Macropelopia	CV
	Chironomidae	Micropsectra	CV, SG
	Chironomidae	Orthocladius	CV, SG
	Chironomidae	Pagastia	CV, SG
	Chironomidae	Parochlus	CV
	Chironomidae	Paraphaenocladius	CV, SG
	Chironomidae	Paratendipes	CV
	Chironomidae	Pentaneura	CV, SG
	Chironomidae	Psectrocladius	CV, SG
	Chironomidae	Pseudodiamesa	CV, SG
	Chironomidae	Robackia	CV
	Chironomidae	Tanytarsus	CV
	Chironomidae	Thienemannimyia	CV
	Chironomidae	Tvetenia	CV, SG
	Chironomidae	Zavrelimyia	CV, SG
	Dolichopodidae		CV
	Empididae	Chelifera	CV
	Psychodidae	Maruina	SG
	Psychodidae	Pericoma	SG
	Simulidae	Simulium	CV, SG
	Tabanidae	Chrysops	CV
	Tipulidae	Dicranota	CV, SG
	Tipulidae	Limonia	CV
	Tipulidae	Ormosia	SG

Table B-5.5-7 (concluded)
Aquatic Invertebrate Taxa Collected in Cañon de Valle and Starmer's Gulch

Aquatic Insects:

DIPTERA	Tipulidae	Pedicia	SG
	Tipulidae	Tipula	CV, SG

Non-insect invertebrates:

Phylum	Class	Family	Location
ANNELIDA	*Oligochaeta*	*Lumbricidae*	*SG*
	Oligochaeta	*Tubificidae*	*SG*
MOLLUSCA	*Pelecypoda*	*Sphaeridae, genus Pisidium*	*CV*
PLATYHELMINTHES	*Turbellaria*		*CV, SG*

[a] *Location abbreviations: CV= Cañon de Valle; SG= Starmer's Gulch*

B-5.5.2.1.3 Reptiles and Amphibians

A variety of reptiles are common throughout much of the county and include at least 14 species of skinks, lizards, and snakes. The presence of wetlands adds additional habitat for water-associated species. At least seven species of amphibians are found in the county. Table B-5.5-8 (Raymer 1996, 59095, p. 95) provides a checklist of the reptiles and amphibians collected in TA-16 and Cañon de Valle.

Table B-5.5-8
Amphibian and Reptile Species Actually (Confirmed) and Potentially Occurring within OU 1082

Family	Scientific Name	Common Name
Amphibians		
HYLIDAE	Hyla arenicolor	Canyon treefrog
	Peudacris triseriata	Striped chorus frog
Reptiles		
COLUBRIDAE	Diadophis punctatus	Ringneck snake
IGUANIDAE	Phrynosoma douglassi	Short-horned lizard
	Sceloporus undulatus	Eastern fence lizard
VIPERIDAE	Crotalus atrox	Western diamondback rattlesnake

B-5.5.2.1.4 Birds

Birds are the most diverse group of wildlife found in the area due in part to the wide range of habitats. This group includes a variety of nesting and migrating raptors that occupy some of the relatively undisturbed areas and the steeper canyon walls. Over 200 bird species have been recorded in Los Alamos County, including at least 112 species of breeding birds (Travis 1992, 12015), most being migratory summer residents. Table 5.5-9 (Raymer 1996, 59095, pp. 96-98) is a checklist of the birds reported in the TA-16 area.

Table B-5.5-9
Bird Species Confirmed and Potentially Occurring within OU 1082

Family	Scientific Name	Common Name
ACCIPITRIDAE	Accipiter gentilis	Northern goshawk
	Buteo albonotatus	Zone-tailed hawk
	B. Jamaicensis	Red-tailed hawk
APODIDAE	Aeronautes saxatalis	White-throated swift
CAPRIMULGIDAE	Chordeiles mino	Common nighthawk
	Phalaenoptilus	Common poorwill
CARTHARTIDAE	Cathartes aura	Turkey vulture
CERTHIIDAE	Certhia americana	Brown creeper
COLUMBIDAE	Columba fasciata	Band-tailed pigeon
CORVIDAE	Zenaida macroura	Morning dove
	Amphelocoma coerulescens	Scrub jay
	Corvus corax	Common raven
	Cyanocitta stelleri	Steller's jay
	Nucifraga columbiana	Clark's nutcracker
	Pica pica	Black-billed magpie
EMBERIZIDAE	Agelaius phoeniceus	Red-winged blackbird
	Dendroica coronata	Yellow-rumped warbler
	D. Graciae	Grace's warbler
	Junco hyemalis	Dark-eyed junco
	Molothrus ater	Brown-headed cowbird
	Oporornis tolomiei	Macgillivray's warbler
	Pheucticus melanocephalus	Black-headed grosbeak
	Pipilo chlorurus	Green-tailed towhee
	P. Erythrophthalmus	Rufous-sided towhee
	Piranga flava	Hepatic tanager
	P. Ludoviciana	Western tanager
	Pooecetes gramineus	Vesper sparrow
	Spizella passerina	Chipping sparrow

Table B-5.5-9 (continued)
Bird Species Confirmed and Potentially Occurring within OU 1082

Family	Scientific Name	Common Name
EMBERIZIDAE	Sturnella neglecta	Western meadowlark
	Vermivora celata	Orange-crowned warbler
	V. Virginiae	Virginia's warbler
FALCONIDAE	Falco sparverius	American kestrel
FRINGILLIDAE	Carduelis pinus	Pine siskin
	C. Psaltria	Lesser goldfinch
	Coccothraustes vespertina	Evening grosbeak
	Loxia curvirostra	Red crossbill
HIRUNDINIDAE	Hirundo pyrrhonota	Cliff swallow
	Tachycineta thalassina	Violet-green swallow
MUSCICAPIDAE	Catharus guttatus	Hermit thrush
	Myadestes townsendii	Townsend's solitaire
	Polioptila caerulea	Blue-grey gnatcatcher
	Regulus calendula	Ruby-crowned kinglet
	Sailia currucoides	Mountain bluebird
	S. Mexicana	Western bluebird
	Turdus migratorius	American robin
PARIDAE	Parus gambeli	Mountain chickadee
	P. Inornatus	Plain titmouse
PICIDAE	Colaptes auratus	Northern flicker
	Melanerpes formicivorus	Acorn woodpecker
	M. Lewis	Lewis' woodpecker
	Picoides pubescens	Downy woodpecker
	P. Tridactylus	Northern three-toed woodpecker
	P. Villosus	Hairy woodpecker
SITTIDAE	Sitta carolinensis	White-breasted nuthatch
	S. Pygmaea	Pygmy nuthatch
STURNIDAE	Sturnus vulgaris	European starling
TROCHILIDAE	Selasphorus platycercus	Broad-tailed hummingbird
TROGLODYTIDAE	Salpinctes obsoletus	Rock wren
	Thryomanes bewickii	Bewick's wren
	Troglodytes aedon	House wren
TYRANNIDAE	Contopus sordidulus	Western wood-pewee
	C. Borealis	Olive-sided flycatcher

Table B-5.5-9 (continued)
Bird Species Confirmed and Potentially Occurring within OU 1082

Family	Scientific Name	Common Name
TYRANNIDAE	Empidonax hammondii	Hammond's flycatcher
	E. Oberholseri	Dusky flycatcher
	E. Occidentalis	Cordilleran flycatcher
	Myiarchus cinerascens	Ash-throated flycatcher
	Sayornis saya	Say's phoebe
	Tyrannus vociferans	Cassin's kingbird
STRIGIDAE	Bubo virginianus	Great horned owl
	Otus flammeolus	Flammulated owl
	Strix occidentalis lucida	Mexican spotted owl
VIREONIDAE	Vireo gilvus	Warbling vireo
	V. Solitarius	Solitary vireo

B-5.5.2.1.5 Mammals

At least 29 species of small ground-dwelling mammals (i.e., mice, wood rats, voles, squirrels, chipmunks) occur in the area, some of which are specific to particular elevation ranges. Deer mice (*Peromyscus spp.*), wood rats (*Neotoma mexicana*), and least chipmunks (*Tamias minimus*) inhabit most areas of the region. Pinon mice (*Peromyscus truei*) are found primarily in pinon-juniper woodlands; the red-backed vole (*Clethrionomys californicus*) occurs in the higher elevations; the western harvest mouse (*Reithrondontomys megalotis*) and long-tailed voles (*Microtus longicaudus*) are found in moist canyon bottoms; and shrews (*Sorex spp.*) occur near flowing water. Thirteen species of bats have been recorded within LANL boundaries.

The most commonly seen large mammals in Los Alamos county are mule deer (*Odocoileus hemionus*) and elk (*Cervus elaphus*). These species generally winter in the lower elevations of the Pajarito Plateau, including mesas and canyons along the central and eastern portions of the county and surrounding areas, and spend their summers at higher elevations of the Jemez Mountains. However, recent surveys in the Los Alamos county area indicate growing population numbers of these species residing year-round at lower elevations. Little population data is available for the other large and medium size mammals of the area, but also present are at least 12 species of carnivores, including mountain lion (*Felis concolor*), bobcat (*Lynx rufus*), fox (*Vulpes vulpes*), and coyote (*Canis latrans*). A list of both the small and large mammals observed within TA-16 is provided in Table B-5.5-10 (Raymer 1996, 59095, pp. 99-100).

Table B-5.5-10
Mammal Species Actually and Potentially Occurring within OU 1082

Family	Scientific Name	Common Name
CANIDAE	*Canis latrans*	Coyote
	Vulpes vulpes	Red fox
CERVIDAE	*Cervus elaphus*	Elk
	Odocoileus	Mule deer
CRICETIDAE	*Neotoma mexicana*	Mexican woodrat
	Microtus longicaudus	Long-tailed vole
	M. montanus	Montane vole
	Peromyscus boylei	Brush mouse
	P. difficilis	Rock mouse
	P. leucopus	White-footed mouse
	P. maniculatus	Deer mouse
	P. truei	Pinon mouse
	Reithrodontomys megalotis	Western harvest mouse
ERETHIZONTIDAE	*Erethizon dorsatum*	Porcupine
FELIDAE	*Felis concolor*	Mountain Lion
	Lynx rufus	Bobcat
GEOMYIDAE	*Thomomys bottae*	Bottae's pocket gopher
HETEROMYIDAE	*Perognathus flavus*	Silky pocket mouse
LEPORIDAE	*Sylvilagus sp.*	Cottontail
MUSTELIDAE	*Mustela frenata*	Long-tailed weasel
	Mephitis mephitis	Striped shunk
	Taxidae taxus	Badger
PROCYONIDAE	*Procyon lotor*	Raccoon
SCIURIDAE	*Eutamias minimus*	Least chipmunk
	E. quadrivittatus	Colorado chipmunk
	Sciurus aberti	Abert's squirre
	Spermophilis lateralis	Golden-mantled ground squirrel
	Tamiasciurus hudsonicus	Red squirrel
SORICIDAE	*Sorex vagrans*	Vagrant shrew
URSIDAE	*Ursus americanus*	Black bear
VERSPERTILIONIDAE	*Eptesicus fuscus*	Big brown bat
	Lasionycteris noctivagans	Silver-haired bat
	Lasiurus cinereus	Hoary bat
	Myotis californicus	California myotis
	M. evotis	Long-eared myotis

Table B-5.5-10 (continued)
Mammal Species Actually and Potentially Occurring within OU 1082

Family	Scientific Name	Common Name
VERSPERTILIONIDAE	*M. leibii*	Small-footed myotis
	M. thysanodes	Fringed myotis
	M. volans	Long-legged myotis
	M. yumanensis	Yuma myotis
MOLOSSIDAE	*Tadarida brasiliensis*	Brazilian free-tailed bat

B-5.5.3 Threatened, Endangered, and Sensitive Species

As of this writing (July 1998), the U.S. Fish and Wildlife Service (USFWS 1988, 58699) lists seven federally T&E animals and no T&E plants as occurring in or potentially occurring in Los Alamos county. The potential occurrences are based on preferred habitats of the species and the presence of those habitats within or near Los Alamos county. Table 5.4-1 lists all T&E wildlife species occurring or potentially occurring in TA-16, their listing status, and their preferred habitat; Table B-5.5-11 (provided by David Keller of ESH-20 Division of LANL) presents the population trends of the these species. A few of these species, as well as some additional sensitive species (the spotted bat, northern goshawk, broad-billed hummingbird, pine marten, meadow jumping mouse, wood lily, and checker lily), are discussed below in more detail. Due to previous disturbance, TA-16 does not contain potential habitat for many T&E species that may occur in the general vicinity. Again, USFWS concurrence will be sought based on the biological assessment.

Spotted Bat

The spotted bat is found in pinon-juniper, ponderosa, mixed conifer, and riparian habitats. The two critical requirements for the spotted bat are a source of open surface water and roost sites (caves in cliffs or rock crevices). Suitable roost sites were present in portions of Water Canyon and Cañon de Valle. Open water sources are limited and include small cattail areas and several small outfalls. No surveys were conducted for this species in TA-16. However, surveys for spotted bats did take place in lower Pajarito Canyon (1992), in Los Alamos Canyon (July 1992), in TAs-8 and -36, and in Bandelier National Monument, but none were successful in capturing spotted bats. This does not necessarily suggest spotted bats do not occur in TA-16. Whether present or not, no adverse impact is expected to occur to the spotted bat so long as potential habitat (rock faces, cliffs) and water sources within TA-16 are not disturbed or altered.

Table B-5.5-11
Population Trends of Federally Listed Threatened and Endangered Species

Species	Current Legal Status	Regional Trends	State Trends	Local Trends
Southwestern willow Flycatcher Empidonax traillii extimus	Federally Endangered	300-500 breeding pairs remain.	1993-95 surveys found 100 breeding pairs and 75% occurred in a local area. Surveys and data gathered in 1987, 1991, and 1994 suggest the population is declining.	Willow flycatcher surveys have been conducted at LANL and Bandelier National Monument since 1995. Willow flycatchers have been detected, but no nesting flycatchers have been found. Willow flycatchers have been found nesting along the Rio Grande in Española (Keller et al. 1996, 52027).
Whooping crane Grus americana	Federally Endangered	Historically entire populations numbered only 1,300 to 1,400 individuals. In 1941, only 21 birds known. In 1987-1988 wintering wild populations stood at 153 birds.	The experimental Rocky Mountains flock that winters in New Mexico peaked at 33 birds but, because pairing and reproduction never occurred, experiment concluded in 1989 flock has since dwindled to four birds.	Whooping cranes and sandhill cranes follow the Rio Grande during migration. However, there are no reports of actual Laboratory use by cranes.
Bald eagle Haliaeetus leucocephalus	Federally Threatened	South of Canada bald eagles declined drastically in numbers and range. Some U.S. populations have recovered in recent years.	Number of wintering bald eagles have increased in recent years averaging about 430 birds per year during 1990-1994 (early 1980s 220 birds). Only two known nesting pairs in the state.	Since 1979, average winter counts near Cochiti area have doubled. As total counts have increased, the number of bald eagles using areas farther upstream has increased. Surveys in March 1992 were conducted for roost tree use on LANL lands. This survey indicated occasional bald eagle use of trees near the canyons mouth of Water and Chaquehui (Keller et al. 1996, 52027).
Mexican spotted owl Strix occidentalis lucida	Federally Threatened	In 1993, 2160 owls existed and now 20 % of owl habitat has been rendered no longer suitable.	In 1994, 250-300 territories occupied.	Surveys for Mexican spotted owls have been conducted on LANL since 1994. In 1995 a pair of Mexican spotted owls was located as well as a nest. Each year the nest has been occupied and resulted in two young fledged per year (Keller et al. 1996, 52027).

Table 5.5-11 (concluded)
Population Trends of Federally Listed Threatened and Endangered Species

Species	Current Legal Status	Regional Trends	State Trends	Local Trends
American peregrine falcon Falco peregrinus anatum	Federally Endangered	Populations drastically declined beginning in the 1940s coinciding with the spread of DDT as an insecticide. Decline bottomed out by late 1970. At present, small breeding population seems to be stable with population increases reported in Arizona.	In 1995, production in the state was 1.49 young per adult pair. This is judged marginally sufficient to maintain the population. Reproduction has shown a steadily declining trend in recent years, down from 2.05 young per adult pair in 1990. Increase in occupancy of breeding sites is up to 80%. However, since 1988 there has been a 34% decrease in production.	Several suitable nesting areas for falcon are within Los Alamos County or immediately adjacent to the County. Occupancy and reproduction in the local area is similar to what has been seen on the regional level.
Arctic peregrine falcon Falco peregrinus tundrius	Federally Threatened by Similarity of Appearance	Species population has expanded three-fold since late 1970. In 1993 species was delisted; however, it is still protected via similarity of appearance.	In New Mexico the abundance is rare and is seen as a transient species.	No recorded sightings of the Arctic peregrine falcon within Los Alamos County. However, the Arctic peregrine falcon is not distinguishable from the American peregrine falcon in the field.
Black-footed ferret Mustela nigripes	Federally Endangered	In 1992, the black-footed ferret was listed as the rarest mammal in North America. In 1981, a remnant population in northwest Wyoming was removed for captive breeding and reintroduction. Reintroduction has begun in Wyoming, Montana, and South Dakota.	Last reported in New Mexico in 1934. Although Bergofer stated that ferrets were once common in New Mexico, there is no evidence to support this statement. We know of no records in recent years. If any animals survive, the northwestern part of the state is the most likely area (Findley et al. 1975, 52004).	No reported sightings of black-footed ferrets in Los Alamos County for at least the last 50 years. In addition, no large prairie dog towns have been observed on LANL lands.

Peregrine Falcon

Currently in draft form, a habitat management plan developed by Johnson (1992, 58701) discusses the past and present status of the peregrine falcon in habitat north of this operable unit. According to modeling efforts by Johnson, the peregrine falcon has a low potential of occurrence in OU 1082. It is not expected to nest in OU 1082 but may traverse the area. Sampling is not expected to impact this species.

Northern Goshawk

The northern goshawk occurs in mature ponderosa pine forests. Goshawks have been found hunting on Laboratory property within TA-16. Nest sites are known to exist just outside operable unit borders and

most likely occur within the boundaries as well (Kennedy 1986, 58700). The following measures will be taken to avoid adverse impact to goshawks:

1. BRET must be contacted 60 days prior to sampling to evaluate possible nest sites in and around the specific sampling area. Any machine sampling occurring between May and October must be cleared through BRET.

2. If any area over one-tenth acre will be disturbed, contact BRET for a pre-sampling site-specific survey.

3. Any tree removal (live or snag) must be approved by BRET.

Mexican Spotted Owl

Habitat requirements for the Mexican spotted owl include uneven-aged, multistory, mixed conifer forests with closed canopies. Surveys for Mexican spotted owls have been conducted on LANL since 1994. In 1995 a pair of Mexican spotted owls was located nesting within Cañon de Valle. Each year the nest has been occupied and has fledged two young. The following measures will be taken to avoid adverse effects on the Mexican Spotted Owl: (1) BRET will be contacted 60 days prior to sampling within Water Canyon for evaluation of specific sampling locations, and (2) if these raptors are found to be nesting within 0.46 km (0.25 mi) of the site, heavy equipment use will be restricted during the nesting period (March 1 to September 1 in New Mexico).

Broad-Billed Hummingbirds

Broad-billed hummingbirds have been reported in Bandelier National Monument, but only as migrants. These hummingbirds require riparian habitat. Although riparian habitat does exist within TA-16, it is very limited in size and extent. This limited riparian habitat most likely would not support breeding broad-billed hummingbirds. In addition, there have been no reports of this hummingbird occurring on Laboratory land (Travis 1992, 12015). No adverse impacts will occur to the broad-billed hummingbird.

Pine Marten

Pine marten occurs in mature old-growth spruce-fir communities with greater than 30% canopy cover and a large per cent of fallen logs. TA-16 does not characteristically fit this description. However, there have been unsubstantiated reports of pine marten within the general upper areas of TA-16. These sightings are thought to be mis-identifications (probably long-tailed weasels). However, there has not been a systematic survey for pine marten within Los Alamos County. An effective survey technique involves snow tracking. A survey for the pine marten was conducted in the upper portions of TA-16 during the winter of 1992-93. Contact BRET prior to sampling for results of survey.

Meadow Jumping Mouse

Meadow jumping mouse has a high potential of occurring in TA-16. It lives in riparian or wetlands zones along permanent water sources. If any sampling will occur along stream-side areas, contact BRET 60 days prior to sampling to evaluate the need for a site-specific survey. A meadow jumping mouse survey must be performed during the rainy season, the optimal month being July. This is the only time the survey can be performed (Morrison 1990, 58698). If a survey is required, sampling cannot proceed until the survey is

complete. (Note: some surveys for small mammals occurred within TA-16 during the summer of 1992, no meadow jumping mice were found).

Wood Lily

The wood lily is protected by the New Mexico Endangered Plant Species Act. The plant occurs in upland riparian areas; therefore, upper Cañon de Valle may provide suitable habitat. Surveys are conducted each July, when the plant is in flower and is easiest to identify. As of August 5, 1997, no wood lilies have been found along the Cañon de Valle streamside, although rare occurrences have been seen elsewhere in Los Alamos County. If any wood lilies are located in the area, suitable protective measures will be developed to ensure that project operations do not threaten the plant or its habitat. Also, if extensive sampling will occur within riparian areas, contact ESH-20 to conduct a site-specific survey prior to sampling.

Checker Lily

The checker lily is protected by the New Mexico Sensitive Plant Species Act. It may occur in TA-16, but only in moist, shaded, mixed conifer areas. Vegetation surveys show that there are very few mixed conifer species, such as Douglas fir and white fir, within the project area. If extensive sampling will occur within riparian areas, contact ESH-20 to conduct a site-specific survey prior to sampling. This species has also been found in Los Alamos County but is very rare.

B-5.5.4 Wetlands/Floodplains

Four areas within TA-16 have been classified on the USFWS National Wetlands Inventory maps as possible palustrine wetlands. There are also 29 National Pollutant Discharge Elimination System (NPDES) permitted outfalls within TA-16 and at least 14 have wetlands vegetation associated with them. These areas may be classified as jurisdictional wetlands. None of the possible jurisdictional wetlands exceeds one acre; therefore, RFI activities within any of these possible jurisdictional wetlands would be permitted under the nationwide permit for such small areas. In addition, flood maps developed by McLin (1992, 12014) indicate that floodplains exist in Water Canyon and Cañon de Valle. RFI activities are not anticipated to adversely affect the floodplains and wetlands within TA-16 as long as best management practices outlined in Section 5.6.0 are followed.

B-5.6 Best Management Practices

Impacts to non-sensitive species should be avoided when possible. Off-road driving is especially harmful to plants and soil crust. Vehicular travel should be restricted to existing roads whenever possible. Revegetation may be required at some sites A list of native plants suitable for revegetation for TA-16 is included in the final report "Biological and Floodplain/Wetland Assessment for Environmental Restoration Program, Operable Unit 1082" (Raymer 1996, 59095). In addition, BRET may be consulted to determine suitable species for seeding.

Additional mitigation measures include the following:

- Avoid unnecessary disturbance (i.e., parking areas, equipment storage areas, off-road travel) to surrounding vegetation during the actual sampling and when traveling into the sampling sites.
- Avoid removal of vegetation along water sources, drainage systems, and stream channels.

- Avoid disturbance to vegetation along canyon slopes and especially to drainages.
- Avoid tree removal. If tree removal is required, contact BRET for evaluation.

In addition to the previously-mentioned mitigation measure, BRET requests notification of additional disturbances prior to their being conducted. Likewise, the US Fish and Wildlife Service, in compliance with the Endangered Species Act (USFWS 1988, 58699), may have additional mitigation measures that are required and are not represented in this summary. However, the TA-16 project leader will be notified of any additional required measures.

ATTACHMENT A. AP 4.5 CHECKLISTS

SITE INFORMATION Field Unit Number 3 16-021-c

1. PRS Number: 16-021(c)
(Please use preceding zeros in TA)

2. Date (M/D/Y): 10/22/97 Time (am/pm): 1:09 pm

Please attach existing map, if available

3. ER Point of Contact: Kristi Beguin

4. FMU/Responsible Party Contact: Dan MacDonell

5. HSWA: Yes

6. SRS #: 76

Surface Water Concern: X

Unit Description: Ind. or san. waste water treatment

7. Description of the historical operations of this PRS

The outfall associated with the 13 HE sumps on the northeast side of TA-16-260. The drainage channel from the outfall flows about 600 ft. to the bottom of Canon de Valle. A small pond approximately 55 ft. long is formed by a rock dam located 93 ft. from the outfall. The longitudinal axis of the pond is oriented east-west.

8. Active Site? Yes Description of the current operations of this PRS (if any):

TA-16-260 is an HE machining facility that processes large quantities of explosives. Machine turnings are routed to the sumps as waste. There are 13 HE sumps (SWMU 16-003k). Each sump flows into a trunk line that discharges to the 260 outfall (16-021c)

9. PRS STATUS Action/Status to Date: Provide completion dates

○ None

◉ Field Investigation (Phase I, Phase II)
Date 10/31/97

◉ Interim Measures (IM, BMP)
Dates: IM: 09/30/96 BMPs: 10/31/95

○ Accelerated Cleanup (VCA, VCM)
Date

◉ Other: (Monitoring, CMS, etc.)
Date 09/30/99

○ NFA/DOU. If checked, supply NFA/DOU criteria
Date: Criteria #

Field Investigation :

Check as appropriate:	○ Plan	◉ Field Work	◉ Report
Date Anticipated:		12/31/97	09/30/96

10. SAMPLE INFORMATION

yes Have surface soil, surface sediment (depth < = 12 inches), or surface water samples been collected as identified above, that reflect current site conditions?

If yes: 1) Attach data
2) Include analyte name, value, units, location ID, sample ID, depth, and media (soil, tuff, etc.)

If data is pending: 1) List date data are anticipated: 12/31/97
2) List contaminants of potential concern (COPCs) identified in RFI Work Plan

11. Signature of ER Representative

Check here when information is entered in database : ☒

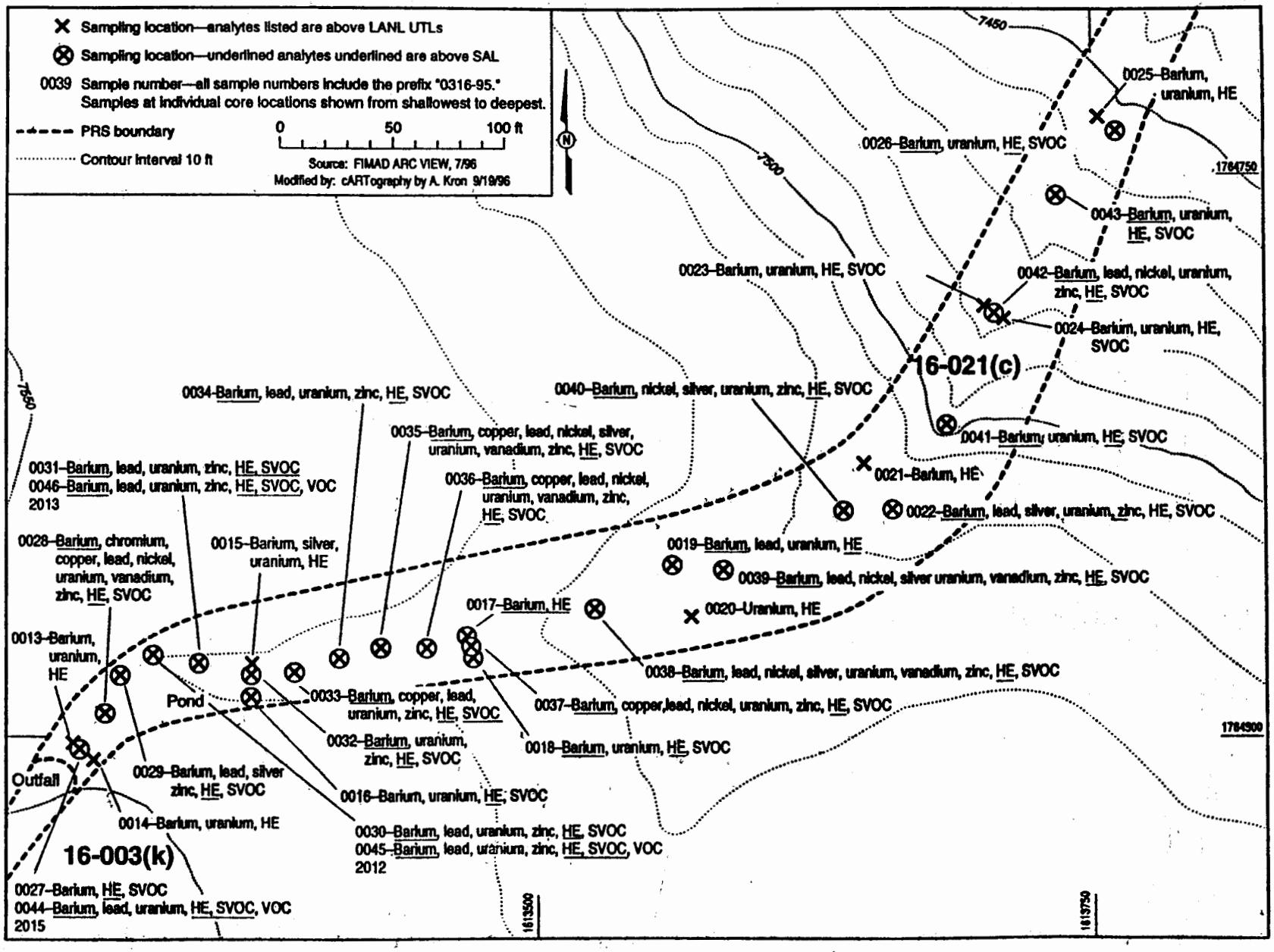


Fig. 5.2.4-1. PRS 16-021(c), HE sump drainage at [redacted]

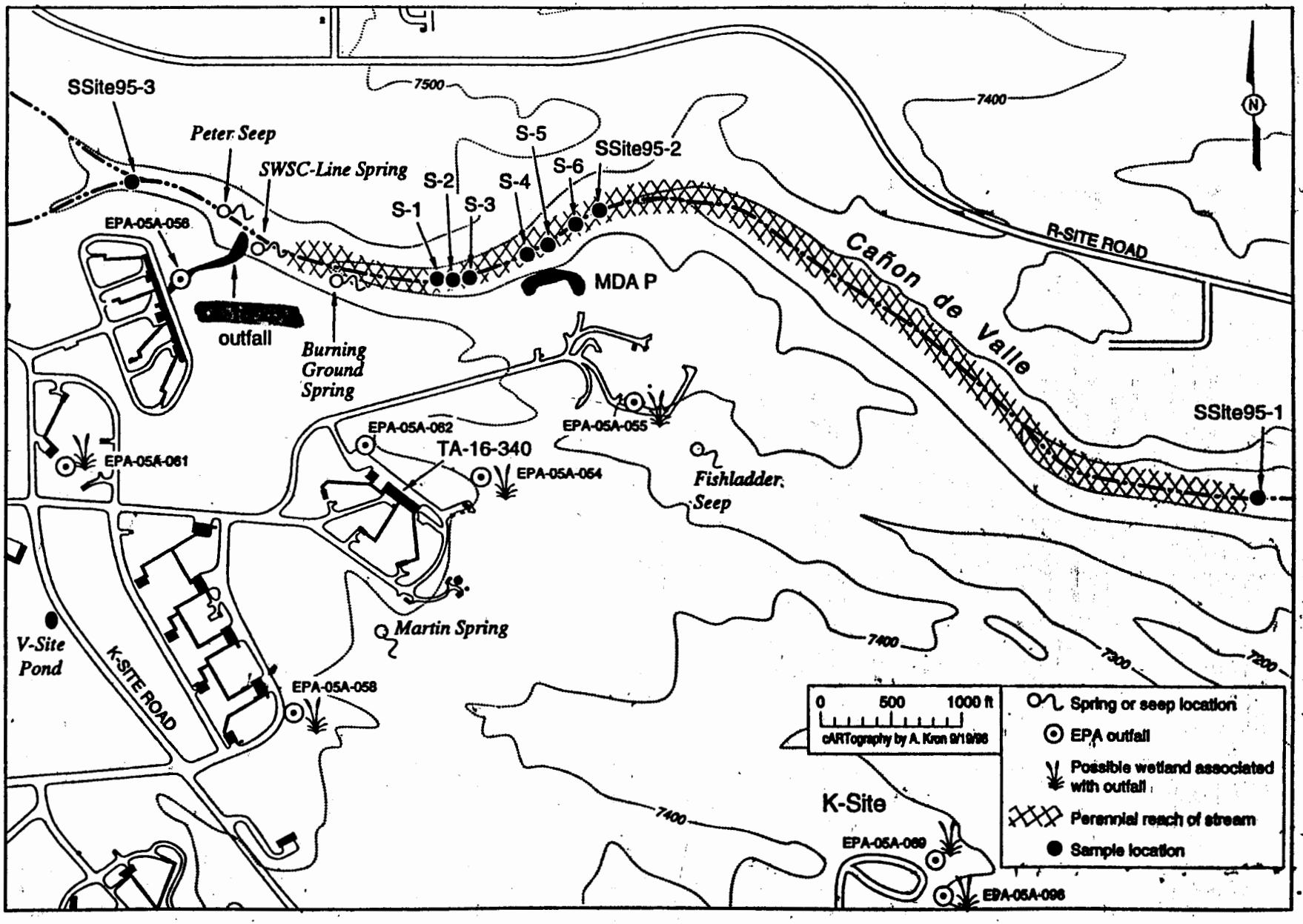


Fig. C-2. Sampling locations in Cañon de Valle.

TABLE 5.2.5-1

INORGANIC ANALYTES AND URANIUM WITH CONCENTRATIONS GREATER THAN BACKGROUND UTLS FOR PRS 16-021(c)[a]

SAMPLE ID	DEPTH (ft)	SOIL/ ROCK UNIT	BARIUM (mg/kg)	CHROMIUM (mg/kg)	COPPER (mg/kg)	LEAD (mg/kg)	NICKEL (mg/kg)	SILVER (mg/kg)	TOTAL URANIUM (mg/kg)	VANADIUM (mg/kg)	ZINC (mg/kg)
LANL UTL (all soil)	N/A[b]	N/A	315	19.3	30.7	23.3	15.2	NA[c]	1.87	41.9	50.8
LANL UTL (Qbt4)	N/A	N/A	42	5.4	1.6	4	<2	<1	2.93	9.5	47
SAL	N/A	N/A	5 300	210	2 800	400	1 500	380	29	540	23 000
0316-95-0013	0–0.5	Soil	583 (J+P)[d,e]	14.8	9.4	15.2 (P)	11.5	0.62 (U)[f]	2.39	29.2	32.7
0316-95-0014	0–0.5	Soil	496 (J+P)	6.7	4.2	10.7 (P)	7.5	0.55 (U)	2.51	22.2	16.7
0316-95-0015	0–0.5	Soil	1 170 (J+P)	5	5.3	10.8 (P)	4.7	0.84	1.68	12.3	21.9
0316-95-0016	0–0.5	Soil	693 (J+P)	6.7	6.3	14.4 (P)	6.1	0.62 (U)	2.08	23.1	27
0316-95-0017	0–0.5	Soil		5.8	4.6	8.9 (P)	6	0.59 (U)	1.73	15.6	24.3
0316-95-0018	0–0.5	Soil		6.1	6.1	11.1 (P)	6.8	0.61 (U)	2.16	15.4	24.4
0316-95-0019	0–0.5	Soil		6.1	5.3	30.3 (P)	6.2	0.61 (U)	1.7	15.9	25.7
0316-95-0020	0–0.5	Soil	172 (J+P)	7.9	4.3	11.4 (P)	6.4	0.58 (U)	2.01	25.3	21.6
0316-95-0021	0–0.5	Soil	3 790 (J+P)	5	4.8	9.8 (P)	3.7	0.58 (U)	1.27	13.2	23.3
0316-95-0022	0–0.5	Soil		10	16.1	39.4 (P)	10.2	1.2	3.58	22.8	62.2
0316-95-0023	0–0.5	Soil	619 (J-P)[g]	4.8	7.3	19 (P)	4.3	0.63 (U)	3.62	12.4	21.8
0316-95-0024	0–0.5	Soil	412 (J-P)	3	5.2	14.3 (P)	2.2	0.53 (U)	2.92	7.6	24.1
0316-95-0025	0–0.5	Soil	3 000 (J-P)	4.8	5.1	10.1 (P)	3.9	0.59 (U)	2.48	16.7	23.9
0316-95-0026	0–0.5	Soil		6.8	12.1	16 (P)	8.3	0.85 (U)	3.18	21.2	42.7
0316-95-0027	0–0.5	Soil	5 270	9.5 (P)	9.3	18.7	10.3	0.64 (U)	1.82	26.7	46.3
0316-95-0028	0–0.5	Soil		26.8 (P)	40.5	107	37.3	0.985 (U)	3.17	55.7	226
0316-95-0029	0–0.5	Soil	2 730 (P))	4.5 (P)	10.4 (P)	27.2	2.9	0.59 (U)	2.2	11.4	86.1 (J+P)
0316-95-0030	0–0.5	Soil		9.5 (P)	19.9 (P)	36.7	11.2	0.66 (U)	3.25	24.3	104 (J+P)
0316-95-0031	0–0.5	Soil		11.7 (P)	25.2 (P)	43.1	10.9	0.73 (U)	5.77	33.7	116 (J+P)
0316-95-0032	0–0.5	Soil		9.1 (P)	12.5	19	6.3	0.61 (U)	3.11	28.5	85.2
0316-95-0033	0–0.5	Soil		16.8 (P)	35.9 (P)	58	12.8	0.75 (U)	5.07	40.1	150 (J+P)
0316-95-0034	0–0.5	Soil		9.6 (P)	17.5 (P)	35.5	13.3	0.67 (U)	6.98	24.8	76.8 (J+P)
0316-95-0035	0–0.5	Soil		16.4 (P)	31.8 (P)	57.8	51.9	1.1	6.39	48.8	152 (J+P)
0316-95-0036	0–0.5	Soil		18.9 (P)	38.5 (P)	47.3	16.3	0.75 (U)	6.43	42.5	151 (J+P)
0316-95-0037	0–0.5	Soil		15.1 (P)	31.3 (P)	46.5	30.1	1.6	8.71	40.7	133 (J+P)
0316-95-0038	0–0.5	Soil		18.3 (P)	26.8	46.3	25.9	4.1	4.84	48	139
0316-95-0039	0–0.5	Soil		11 (P)	9.5	38.8	31.9	1.31	2.94	42	68.2
0316-95-0040	0–0.5	Soil		13 (P)	17.5	22.4	21.3	0.95	6.69	37	76
0316-95-0041	0–0.5	Soil		4 (P)	4.8	14.2	6.5	0.57 (U)	2.58	21.8	44.8
0316-95-0042	0–0.5	Soil		10.5 (P)	14.4	33.8	20.1	0.63 (U)	4.08	29.9	62.6
0316-95-0043	0–0.5	Soil		6.2 (P)	5.6	22.5	5.1	0.62 (U)	2.73	25.8	42 3
0316-95-0044	1–1.5	Soil		9.7 (P)	11.8	46.2	11.8	0.67 (U)	4.08	31.7	46 (P)
0316-95-0045	1.5–2	Soil		7.1 (P)	6.8	46.5	10.8	0.70 (U)	2.53	27.3	53.7 (P)
0316-95-0046	1.7–2.2	Soil		12.2 (P)	22.4	48.5	8.9	0.75 (U)	4.21	30.5	97.9 (P)
0316-95-2012	0–0.5	Soil		10.5 (P)	17.8 (P)	38.6	9.9	0.64 (U)	4.3	28.2	100 (J+P)
0316-95-2013	0–0.5	Soil		11.2 (P)	20.1 (P)	41.2	9.4	0.71 (U)	4.32	32	112(J+P)
0316-95-2015	1–1.5	Soil		8.4 (P)	10.4	42.7	11.5	0.70 (U)	3.66	29.1	40.1 (P)

[a] Analytes within double-lines are greater than UTLs. Analytes with shaded background are at levels greater than SALs.
[b] N/A = Not applicable.
[c] NA = Not available.
[d] J+ = Analyte was positively identified and the result is likely to be biased high.
[e] P = Professional judgment needed prior to use of data in decision making.
[f] U = The analyte was not positively identified in the sample and the associated value is the sample-specific EQL/EDL.
[g] J = Analyte was positively identified but the associated numerical value is more uncertain than would normally be expected for the analysis.
[h] J- = Analyte was positively identified and the result is likely to be biased low.

TABLE 5.2.6-1

PRS 16-021(c) SOIL CONCENTRATIONS FOR HIGH EXPLOSIVES WITH VALUES GREATER THAN THE REPORTING LIMIT[a]

SAMPLE ID	DEPTH (ft)	2- ADNT (mg/kg)	4- ADNT (mg/kg)	1,3-DINITROBENZENE (mg/kg)	2,4-DINITROTOLUENE (mg/kg)	2,6-DINITROTOLUENE (mg/kg)	HMX (mg/kg)	NITROBENZENE (mg/kg)	3-NITROTOLUENE (mg/kg)	RDX (mg/kg)	1,3,5-TRINITROBENZENE (mg/kg)	2,4,6-TRINITROTOLUENE (mg/kg)
SAL	N/A[b]	NC[c]	NC	8.5	0.65	0.65	3300	33	NC	4	3.3	15
EQL	N/A	0.26	ND[d]	0.25	0.25	0.28	2.2	0.26	0.25	1	0.25	0.25
0316-95-0013	0–0.5	0.288	0.093 (U)[e]	0.07 (U)	0.058 (U)	0.081 (U)	22.4	0.092 (U)	0.157 (U)	1.38	0.086 (U)	0.091 (U)
0316-95-0014	0–0.5	0.077 (U)	0.092 (U)	0.069 (U)	0.057 (U)	0.08 (U)	0.822	0.091 (U)	0.155 (U)	0.175 (U)	0.085 (U)	0.09 (U)
0316-95-0015	0–0.5	0.274	0.091 (U)	0.068 (U)	0.057 (U)	0.08 (U)	6.26	0.09 (U)	0.154 (U)	0.541 (U)	0.084 (U)	0.09 (U)
0316-95-0016	0–0.5	0.265	0.093 (U)	0.07 (U)	0.058 (U)	0.081 (U)	16.5	0.092 (U)	0.157 (U)		0.086 (U)	0.091 (U)
0316-95-0017	0–0.5	25.4	20.1	0.069 (U)	0.446	0.08 (U)	2 590	0.091 (U)	0.155 (U)		0.199	
0316-95-0018	0–0.5	42.2	21.6	0.07 (U)		0.081 (U)	172	0.092 (U)	2.12		0.086 (U)	5.45
0316-95-0019	0–0.5	2.82	1.63	0.069 (U)	0.305	0.081 (U)	38.3	0.091 (U)	0.156 (U)		0.085 (U)	0.091 (U)
0316-95-0020	0–0.5	0.077 (U)	0.091 (U)	0.069 (U)	0.057 (U)	0.08 (U)	4.02	0.091 (U)	0.155 (U)	0.175 (U)	0.085 (U)	0.09 (U)
0316-95-0021	0–0.5	6.38	2.49	0.069 (U)	0.407	0.08 (U)	1.89	0.091 (U)	0.155 (U)	0.348	0.085 (U)	0.09 (U)
0316-95-0022	0–0.5	27.7	17.9	0.072 (U)		0.084 (U)	367	1.2	0.162 (U)	2.44	0.089 (U)	0.094 (U)
0316-95-0023	0–0.5	0.078 (U)	0.093 (U)	0.07 (U)	0.058 (U)	0.081 (U)	0.969	0.092 (U)	0.157 (U)	0.176 (U)	0.086 (U)	0.091 (U)
0316-95-0024	0–0.5	0.079 (U)	0.094 (U)	0.071 (U)	0.059 (U)	0.082 (U)	0.404	0.093 (U)	0.159 (U)	0.18 (U)	0.087 (U)	0.092 (U)
0316-95-0025	0–0.5	2.8	1.69	0.07 (U)	0.144	0.081 (U)	108	0.092 (U)	0.157 (U)	1.21	0.086 (U)	0.091 (U)
0316-95-0026	0–0.5	82.7	64.1	0.072 (U)		0.084 (U)	378	0.095 (U)	0.162 (U)		0.129	
0316-95-0027	0–0.5	6.55	6.65	0.09 (U)	0.122	0.105 (U)	1 360	0.119 (U)	0.203 (U)		0.111 (U)	
0316-95-0028	0–0.5	5.26	0.237 (U)	0.094 (U)		0.208 (U)		0.235 (U)	0.401 (U)		0.488	
0316-95-0029	0–0.5	2.29 (U)	5.31	0.204 (U)	0.239	0.238 (U)		0.269 (U)	0.46 (U)	5.2 (U)	0.251 (U)	
0316-95-0030	0–0.5	14	3.11 (U)	2.34 (U)	1.94 (U)	2.73 (U)		3.09 (U)	5.27 (U)		2.88 (U)	
0316-95-0031	0–0.5	40.2	22.8 (U)	17.1 (U)	14.2 (U)	20 (U)		22.8 (U)	38.5 (U)		21.1 (U)	
0316-95-0032	0–0.5	41.4	0.566 (U)	0 425 (U)		0.496 (U)		0.561 (U)	0.958 (U)		0.524 (U)	
0316-95-0033	0–0.5	28	6.18 (U)	6.15 (U)	5.1 (U)	7.17 (U)		8.11 (U)	13.8 (U)		7.57 (U)	
0316-95-0034	0–0.5	27.8	17 (U)	2.52 (U)	2.09 (U)	2.94 (U)		3.33 (U)	5.68 (U)		3.11 (U)	
0316-95-0035	0–0.5	25.6	3.51 (U)	2.64 (U)	2.19 (U)	3.08 (U)		3.46 (U)	5.94 (U)		3.25 (U)	
0316-95-0036	0–0.5	59.6	36 (U)	27.1 (U)	22.5 (U)	31.6 (U)		35.7 (U)	61 (U)		33.4 (U)	
0316-95-0037	0–0.5	35.9	3.27 (U)	2.46 (U)	2.04 (U)	2.87 (U)		3.24 (U)	5.54 (U)		3.03 (U)	
0316-95-0038	0–0.5	38.3	34.7	0.501 (U)		0.584 (U)		0.66 (U)	1.13 (U)		0.617 (U)	
0316-95-0039	0–0.5	11.5	10.1	0.085 (U)	0.308	0.144	2 750	0.112 (U)	0.191 (U)		0.276	
0316-95-0040	0–0.5	64.4	60.8	0.676 (U)		0.788 (U)		0.891 (U)	1.52 (U)		0.833 (U)	
0316-95-0041	0–0.5	13.2	10.5	0.405 (U)		0.472 (U)		0.534 (U)	0.912 (U)		0.499 (U)	
0316-95-0042	0–0.5	38.2	33	0.446 (U)		0.537		0.588 (U)	1 (U)		0.735	
0316-95-0043	0–0.5	33.1	27.3	0.435 (U)		0.507 (U)		0.573 (U)	0.979 (U)		0.535 (U)	14.3
0316-95-0044	1–1.5	0.782 (U)	0 928 (U)	0 698 (U)		0.814 (U)		0.92 (U)	1.57 (U)		1.66	
0316-95-0045	1.5–2	0 392 (U)	0.465 (U)	2.04		0.408 (U)		0.461 (U)	0.787 (U)			
0316-95-0046	1.7–2.2	1.97 (U)	2.34 (U)	1.76 (U)		2.05 (U)		2.32 (U)	3.96 (U)	118000 (U)		
0316-95-2012	0–0.5	17.2	8.4 (U)	6 32 (U)	5.24 (U)	7.37 (U)		8.33 (U)	14.2 (U)		7.78 (U)	
0316-95-2013	0–0.5	32.5 (U)	38 6 (U)	29 (U)	24.1 (U)	33.9 (U)		38.3 (U)	65.4 (U)		35.8 (U)	
0316-95-2015	1–1.5	1.96 (U)	2.32 (U)	1.75 (U)	1.45 (U)	2.04 (U)		2.3 (U)	3.93 (U)		2.15 (U)	

[a] Analytes within double-lines are greater than EQLs. Analytes with shaded background are at levels greater than SALs.
[b] N/A = Not applicable.
[c] NC = Not calculated.
[d] ND = Not determined.
[e] U = Analyte not positively identified in sample and the associated numerical value is the sample-specific EQL/EDL.

TABLE 5.2.6-2

PRS 16-021(c) SOIL CONCENTRATIONS FOR SEMI-VOLATILE ORGANIC ANALYTES WITH VALUES GREATER THAN THE REPORTING LIMIT[a]

SAMPLE ID	DEPTH (ft)	2,4,6-Trichlorophenol (mg/kg)	2,4-Dinitrotoluene (mg/kg)	2,6-Dinitrotoluene (mg/kg)	Anthracene (mg/kg)	Benzoic Acid (mg/kg)	Bis(2-Ethylhexyl)Phthalate (mg/kg)	Di-N-Butylphthalate (mg/kg)	Phenanthrene (mg/kg)	Pyrene (mg/kg)
SAL	N/A[b]	40	0.65	0.65	19	100 000	32	6 500	NC[c]	2 000
EQL	N/A	0.33	0.33	0.33	0.33	3.3	0.33	0.33	0.33	0.33
0316-95-0016	0–0.5	0.41 (U)[d]	0.41 (U)	0.41 (U)	0.41 (U)	0.08 (J)[e]	0.41 (U)	0.41 (U)	0.41 (U)	0.41 (U)
0316-95-0017	0–0.5	0.39 (U)	0.1 (J)	0.39 (U)	0.39 (U)	3.9 (U)	0.39 (U)	0.39 (U)	0.39 (U)	0.39 (U)
0316-95-0018	0–0.5	0.82 (U)	0.31 (J)	0.82 (U)	0.82 (U)	0.13 (J)	0.82 (U)	0.82 (U)	0.82 (U)	0.82 (U)
0316-95-0021	0–0.5	0.39 (U)	0.5	0.39 (U)	0.39 (U)	3.9 (U)	0.39 (U)	0.39 (U)	0.39 (U)	0.39 (U)
0316-95-0022	0–0.5	0.53 (U)		0.53 (U)	0.53 (U)	0.43 (J)	1.9 (U)	0.53 (U)	0.53 (U)	0.53 (U)
0316-95-0023	0–0.5	0.43 (U)	0.43 (U)	0.43 (U)	0.43 (U)	0.12 (J)	0.43 (U)	0.43 (U)	0.43 (U)	0.43 (U)
0316-95-0024	0–0.5	0.33 (U)	0.33 (U)	0.33 (U)	0.33 (U)	0.07 (J)	0.16 (J)	0.33 (U)	0.33 (U)	0.33 (U)
0316-95-0025	0–0.5	0.39 (U)	0.094 (J)	0.39 (U)	0.39 (U)	3.9 (U)	0.39 (U)	0.39 (U)	0.39 (U)	0.39 (U)
0316-95-0026	0–0.5	0.58 (U)	0.5 (J)	0.084 (J)	0.58 (U)	0.12 (J)	0.58 (U)	0.58 (U)	0.58 (U)	0.58 (U)
0316-95-0027	0–0.5	0.048 (J)	0.048 (J)	0.44 (U)	0.44 (U)	4.4 (U)	0.41 (J)	0.44 (U)	0.44 (U)	0.44 (U)
0316-95-0028	0–0.5	13 (U)	13 (U)	13 (U)	13 (U)	130 (U)	4 (J)	13 (U)	13 (U)	13 (U)
0316-95-0029	0–0.5	0.4 (U)	0.09 (J)	0.4 (U)	0.4 (U)	4 (U)	2.1 (B)[f]	0.054 (J)	0.4 (U)	0.4 (U)
0316-95-0030	0–0.5	2.3 (U)	0.39 (J)	0.44 (J)	2.3 (U)	23 (U)	9.3 (B)	2.3 (U)	0.44 (J)	2.3 (U)
0316-95-0031	0–0.5	9.6 (U)	9.6 (U)	9.8 (U)	3.3 (J,PM)[g]	96 (U)		9.6 (U)	9.6 (U)	9.6 (U)
0316-95-0032	0–0.5	2 (U)	0.61 (J)	2 (U)	2 (U)	20 (U)	16	2 (U)	4.6	2 (U)
0316-95-0033	0–0.5	10 (U)	10 (U)	10 (U)	6.1 (J)	100 (U)		10 (U)	10 (U)	10 (U)
0316-95-0034	0–0.5	9.2 (U)	9.2 (U)	9.2 (U)	0.95 (J,PM)	92 (U)	23 (U)	9.2 (U)	9.2 (U)	9.2 (U)
0316-95-0035	0–0.5	10 (U)	10 (U)	10 (U)	1.1 (J,PM)	100 (U)	15 (U)	10 (U)	10 (U)	10 (U)
0316-95-0037	0–0.5	4.8 (U)		4.8 (U)	0.87 (J)	48 (U)	12 (U)	4.8 (U)	4.8 (U)	4.8 (U)
0316-95-0038	0–0.5	0.45 (U)	0.79	0.34 (J)	0.45 (U)	4.5 (U)	4.8	0.45 (U)	0.23 (J)	0.071 (J)
0316-95-0039	0–0.5	0.81 (U)	0.2 (J)	0.81 (U)	0.81 (U)	8.1 (U)	0.59 (J)	0.81 (U)	0.81 (U)	0.81 (U)
0316-95-0040	0–0.5	0.51 (U)	0.5 (J)	0.2 (J)	0.51 (U)	5.1 (U)	1.4	0.51 (U)	0.51 (U)	0.51 (U)
0316-95-0041	0–0.5	0.39 (U)	0.28 (J)	0.089 (J)	0.39 (U)	3.9 (U)	0.77	0.39 (U)	0.052 (J)	0.39 (U)
0316-95-0042	0–0.5	0.44 (U)	0.33 (J)	0.1 (J)	0.44 (U)	4.4 (U)	0.86	0.44 (U)	0.44 (U)	0.44 (U)
0316-95-0043	0–0.5	0.43 (U)	0.28 (J)	0.053 (J)	0.43 (U)	4.3 (U)	0.45	0.43 (U)	0.43 (U)	0.43 (U)
0316-95-0044	1–1.5	110 (U)	110 (U)	110 (U)	110 (U)	1 100 (U)		110 (U)	110 (U)	110 (U)
0316-95-0045	1.5–1.9	120 (U)	120 (U)	120 (U)		1 200 (U)	120 (U)	120 (U)	120 (U)	120 (U)
0316-95-0046	1.7–2.2	130 (U)	130 (U)	130 (U)		1 300 (U)		130 (U)	130 (U)	130 (U)
0316-95-2012	0–0.5	8.7 (U)	8.7 (U)	8.7 (U)	1.9 (J)	87 (U)	26 (U)	8.7 (U)	8.7 (U)	8.7 (U)
0316-95-2013	0–0.5	9 (U)		9 (U)	6.2 (J)	90 (U)		9 (U)	9 (U)	9 (U)

[a] Analytes within double-lines are greater than EQLs. Analytes with black background are at levels greater than SALs.
[b] N/A = Not applicable.
[c] NC = Not calculated
[d] U = Analyte not positively identified in sample and the associated numerical value is the sample-specific EQL/EDL.
[e] J = Analyte positively identified and associated numerical value is more uncertain th[illegible] would normally be expected for the analysis.
[f] B =Professional judgment should be used in applying the data to decision makin[illegible] [illegible]nual review of data suggested.
[g] [illegible] = Found in blank.

TABLE 5.2.6-3

PRS 16-021(c) SOIL CONCENTRATIONS FOR VOLATILE ORGANIC ANALYTES WITH VALUES GREATER THAN THE REPORTING LIMIT[a]

SAMPLE ID	DEPTH (ft)	Acetone (mg/kg)	1,2-dichlorobenzene (mg/kg)	p-isopropyltoluene (mg/kg)	sec-butylbenzene (mg/kg)	1,1,1-trichloroethane (mg/kg)	1,2,4-trimethylbenzene (mg/kg)
SAL	N/A[b]	2 000	2 300	NC[c]	NC	3 000	8
EQL	N/A	0.2	0.05	0.05	0.05	0.05	0.05
0316-95-0044	1–1.5	0.06 (J)[d]	0.007 (UJ)[e]	0.022 (J)	0.007 (UJ)	0.007 (UJ)	0.007 (UJ)
0316-95-0045	1.5–1.9	0.016 (J)	0.007 (UJ)	0.051 (J)	0.007 (UJ)	0.007 (U)	0.052 (J)
0316-95-0046	1.7–2.2	0.031 (UJ)	0.005 (J)	0.008 (UJ)	0.008 (UJ)	0.014 (J)	0.008 (J)
0316-95-2015	1–1.5	0.014 (J)	0.007 (U)	0.007 (U)	0.007 (U)	0.007 (U)	0.007 (U)

[a] Analytes within double-lines are greater than EQLs.
[b] N/A = Not applicable.
[c] NC = Not calculated.
[d] J = Analyte positively identified and associated numerical value is more uncertain than would normally be expected for the analysis.
[e] U = Analyte not positively identified in sample and the associated numerical value is the sample-specific EQL/EDL.

TABLE 5.2.7.1-1

MCE FOR NONCARCINOGENIC EFFECTS AT PRS 16-021(c)

CONTAMINANT	MAXIMUM SOIL CONCENTRATION (mg/kg)	SOIL SAL (mg/kg)	CONCENTRATION NORMALIZED TO SAL
Copper	40.5	2 800	0.014
Nickel	37.3	1 500	0.025
Silver	4.1	383	0.011
Vanadium	55.7	540	0.10
Zinc	226	23 000	0.003
1,3-Dinitrobenzene	2.04	6.5	0.31
Nitrobenzene	1.2	33	0.036
3-Nitrotoluene	2.12	650	0.0033
Benzoic acid	0.43	100 000	0.000004
Di-n-butylphthalate	0.054	6 500	0.000008
Pyrene	0.071	2 000	0.00004
Acetone	0.067	2 000	0.00003
1,2 Dichlorobenzene	0.007	2 300	0.000003
1,2,4-Trimethylbenzene	0.052	8	0.0065
1,1,1-Trichloroethane	0.014	3 000	0.000005
Total			0.51

TABLE 5.2.7.1-2

MCE FOR CARCINOGENIC EFFECTS AT PRS 16-021(c)

CONTAMINANT	MAXIMUM SOIL CONCENTRATION (mg/kg)	SOIL SAL (mg/kg)	CONCENTRATION NORMALIZED TO SAL
Chromium	26.8	210	0.13
2,4,6-Trichlorophenol	0.048	40	0.0012
Total			0.13

TABLE C-3

MAJOR ELEMENTS OF TA-16 WATERS

SAMPLE ID	DESCRIPTION	DATE	BORON (ppm)	BROMINE (ppm)	CALCIUM (ppm)	CHLORINE (ppm)	FLUORINE (ppm)	HYDROGEN CARBONATE (ppm)	LITHIUM (ppm)	MAGNESIUM (ppm)	POTASSIUM (ppm)	SODIUM (ppm)	SILICATE (ppm) calc	SULFATE (ppm)	STRONTIUM (ppm)	TOTAL DISSOLVED SOLVENTS (ppm)	CATION SUM	ANION SUM
Springs/Seeps																		
PP94-50	Burning Ground Spring	4/15/94	0.01	0.08	18.7	21.8	0.20	87.4	<0.01	4.86	3.30	21.4	49.86	8.31	0.14	220.5	2.461	2.279
NMED	Burning Ground Spring	8/12/94	<0.1	NA*	20	15	0.2	92	NA	4.9	5	19	NC*	10	0.1	NC	NC	NC
NMED	Burning Ground Spring	3/17/95	<0.01	<0.4	14	19	<0.5	85	<0.01	4.5	3	25	NC	30	<0.01	180	NC	NC
SSite96-5	Burning Ground Spring	3/01/96	0.021	0.09	17.5	16.6	0.16	104	<0.01	5.03	3.33	25.4	47.72	9.84	0.11	206.8	0.121	4.851
SSite96-17	Burning Ground Spring	4/10/96	0.021	0.07	16.4	14.3	0.14	100	<0.01	4.71	3.26	24.0	46.44	9.02	0.11	223.8	2.396	2.313
NMED	Martin Spring	5/12/95	1.4	<0.5	24	19	<0.5	104	<0.01	6	3	22	NC	20	0.12	200	NC	NC
PP95-132	Martin Spring	7/21/95	1.58	0.13	24.6	20.2	0.61	122	0.01	5.71	3.31	30.9	47.06	17.9	0.13	290.2	3.164	3.298
SSite96-4	Martin Spring	3/01/96	1.81	0.16	28.1	20.6	0.70	130	0.01	6.45	2.89	34.1	51.36	20.7	0.14	275.3	0.552	6.047
SSite96-15	Martin Spring	4/10/96	1.81	0.16	28.1	20.3	0.67	137	0.01	6.47	2.85	36.4	52.00	21.0	0.16	325.9	3.618	3.675
PP94-74	SWSC Spring	8/12/94	0.026	0.09	18.4	17.3	0.18	92.9	<0.01	4.97	3.04	20.2	45.37	10.2	0.13	219	2.318	2.322
NMED	SWSC Spring	8/12/94	<0.1	NA	18	15	0.2	90	NA	5.4	5	19	NC	10	0.1	NC	NC	NC
NMED	SWSC Spring	3/17/95	<0.01	<0.4	16	19	<0.5	80	<0.01	4.8	3	24	NC	31	<0.01	174	NC	NC
SSite96-18	SWSC Spring	4/10/96	0.029	0.09	16.3	14.3	0.13	100	<0.01	4.83	3.26	24.8	46.44	9.18	0.11	225.2	2.419	2.324
SSite96-6	SWSC Spring	3/01/96	0.033	0.10	18.2	16.8	0.16	104	<0.01	5.19	3.38	25.4	44.94	10.1	0.12	206.6	0.132	4.851
NMED	Fish Ladder Seep	6/2/95	0.2	NA	4	7	<0.5	25	0.02	1	<1	12	NC	84	0.04	250	NC	NC
SSite96-11	Fish Ladder Seep	3/27/96	0.040	<0.01	5.44	5.21	0.07	11.5	0.04	1.88	3.10	9.36	72.55	17.7	0.04	130.2	1.141	0.709
NMED	Peter Seep	6/2/95	0.04	NA	15	16	<0.5	83	<0.01	4	3	16	NC	18	0.11	140	NC	NC
Outfalls																		
—	260 outfall	—	0.02	NA	11	NA	NA	NA	NA	3	NA	NA	NC	NA	0.05	NC	NC	NC
PP95-133	300 outfall	7/21/95	0.035	<0.02	8.95	2.55	0.20	64	0.02	2.21	2.25	10.8	63.56	1.82	0.05	159.2	1.226	1.197
—	300 outfall	—	0.02	NA	9	NA	NA	NA	NA	3	NA	NA	NC	NA	0.05	NC	NC	NC
—	340 outfall	—	0.02	NA	10	NA	NA	NA	NA	4	NA	NA	NC	NA	0.05	NC	NC	NC
SSite96-10	340 outfall	3/27/96	0.021	0.04	11.1	2.94	0.21	67.6	0.03	3.68	2.58	12.7	84.32	2.32	0.06	195.5	1.496	1.500
SSite96-21	Silver outfall	4/10/96	0.020	0.04	9.09	2.63	0.18	66.5	0.03	3.03	2.31	11.7	81.32	3.75	0.04	183.7	1.306	1.296
Creeks																		
PP95-134	300-line Canyon TA-16	7/21/95	0.21	0.03	13.4	3.79	0.21	83	0.01	3.41	5.38	13.6	33.17	5.16	0.09	183.2	1.741	1.609
SSite95-1	Cañon de Valle Creek	3/17/95	0.038	0.03	13.5	16.8	0.14	69.9	<0.01	4.12	3.08	18.2	29.10	15.5	0.13	175.5	1.983	1.953
SSite95-2	Cañon de Valle Creek	3/17/95	0.033	0.07	14.8	20.9	0.20	81.0	<0.01	4.48	3.24	22.1	35.74	9.78	0.11	196.8	2.222	2.143
SSite95-3	Cañon de Valle Creek	3/17/95	0.015	0.08	19.6	22.9	0.27	92.6	<0.01	5.48	3.88	22.7	47.08	11.1	0.12	233.6	2.588	2.47
MDA P S-1	Cañon de Valle Creek	4/94	NA	NA	19	NA	NA	NA	NA	5.6	3	21	NC	NA	NA	NC	NC	NC
MDA P S-2	Cañon de Valle Creek	4/94	NA	NA	19	NA	NA	NA	NA	5.5	3.1	20	NC	NA	NA	NC	NC	NC
MDA P S-3	Cañon de Valle Creek	4/94	NA	NA	19	NA	NA	NA	NA	5.5	2.5	20	NC	NA	NA	NC	NC	NC
MDA P S-4	Cañon de Valle Creek	4/94	NA	NA	18	NA	NA	NA	NA	5.3	2.7	20	NC	NA	NA	NC	NC	NC
MDA P S-5	Cañon de Valle Creek	4/94	NA	NA	18	NA	NA	NA	NA	5.2	2.8	20	NC	NA	NA	NC	NC	NC
MDA P S-6	Cañon de Valle Creek	4/94	NA	NA	17	NA	NA	NA	NA	5.1	2.5	20	NC	NA	NA	NC	NC	NC
PP94-52	Snowmelt, Cañon de Valle	4/15/94	<0.01	<0.02	7.56	1.50	0.04	38.0	<0.01	2.26	1.47	3.29	25.89	3.39	0.07	84.4	0.827	0.738
PP94-51	Weirbox, Cañon de Valle	4/15/94	0.04	0.07	15.5	19.8	0.23	82.0	<0.01	4.09	2.89	20.0	35.31	7.76	0.14	191.3	2.147	2.079

TABLE C-3 (CONTINUED)

MAJOR ELEMENTS OF TA-16 WATERS

SAMPLE ID	DESCRIPTION	DATE	BORON (ppm)	BROMINE (ppm)	CALCIUM (ppm)	CHLORINE (ppm)	FLUORINE (ppm)	HYDROGEN CARBONATE (ppm)	LITHIUM (ppm)	MAGNESIUM (ppm)	POTASSIUM (ppm)	SODIUM (ppm)	SILICATE (ppm) calc	SULFATE (ppm)	STRONTIUM (ppm)	TOTAL DISSOLVED SOLVENTS (ppm)	CATION SUM	ANION SUM
Assorted locations																		
SSite96-8	90s-line Drainage	3/05/96	0.049	0.12	9.19	16.7	0.74	311	0.04	2.20	6.24	134	145.73	17.5	0.05	638.0	0.089	14.453
SSite96-19	90s-line Drainage	4/10/96	0.056	0.10	10.3	27.8	0.61	345	0.05	2.36	7.97	154	150.23	13.7	0.07	749.4	7.751	7.696
SSite96-9	90s-line Pond	3/05/96	0.007	0.01	5.05	0.98	0.14	23.7	<0.01	1.12	2.71	1.76	3.60	0.84	0.05	54.3	0.025	1.130
SSite96-20	90s-line Pond	4/10/96	0.017	<0.01	7.42	1.26	0.18	32.2	<0.01	1.27	4.12	2.89	5.84	0.81	0.07	59.8	0.873	0.591
PP95-135	K-Site	7/21/95	0.74	0.11	15.3	15.4	0.28	85	0.01	3.54	8.90	24.4	29.96	14.2	0.09	208.3	2.525	2.327
SHB-3	TA-16 well	7/20/93	0.09	0.02	16	7.54	0.28	0	0.04	0.85	15.50	24	82.40	7.54	0.2	205.7	2.33	2.284
SSite96-7	WWTP	3/05/96	0.022	0.03	30.2	216	0.30	101	0.04	9.17	9.65	117	76.61	3.80	0.14	319.5	0.411	4.791
SSite96-16	WWTP	4/10/96	0.017	<0.01	23.5	136	0.11	93.2	0.02	7.87	6.03	80.9	83.03	3.06	0.11	440.1	5.677	5.482
Background springs																		
SSite96-13	Apache Spring	4/03/96	0.005	0.01	10.9	7.72	0.04	69.0	<0.01	4.86	4.75	9.77	56.07	5.93	0.10	171.1	1.532	1.498
44	Cold Spring west cal	6/1/80	0.73	0.06	12	1.9	0.25	53.7	0.03	1.5	3	8	30.00	5.5	0.06	NC	NC	NC
62	Frijoles Spring #49	5/22/91	<0.01	<0.02	8	14	0.03	39	<0.01	2.98	2.9	6.8	17.00	3.85	0.09	NC	NC	NC
63	Frijoles Spring #50	5/22/91	<0.01	<0.02	7.9	6.11	0.04	53.6	<0.01	3.71	2.5	7.2	25.00	2.66	0.07	NC	NC	NC
66	Pine Spring	5/24/91	<0.01	<0.02	10.7	1.47	0.08	61	<0.01	3.55	3.6	6.4	25.00	7.7	0.08	NC	NC	NC
0	Pine Spring	3/28/95	0.02	<0.4	11	<5	<0.5	NA	0.01	3.6	3	5.1	NC	66	0.09	NC	NC	NC
0	Pine Spring	10/18/95	<0.1	NA	10	2	<0.2	48	<0.01	3	3	6	NC	<10	0.07	NC	NC	NC
44	Seven Springs	10/1/79	<0.003	NA	12.3	3.6	0.21	49	0.018	1.54	2.1	7.23	41.00	8.7	0.071	NC	NC	NC
44	Seven Springs	5/1/83	NA	0.27	11	1.9	0.25	53.7	0.05	1.4	4	8	30.00	5.9	0.05	NC	NC	NC
76	Seven Springs	5/10/91	<0.02	<0.02	12.9	1.22	0.16	61	<0.01	1.71	2.4	6.3	31.00	3.85	0.06	NC	NC	NC
SSite96-12	Seven Springs	4/3/96	0.013	<0.01	12.5	1.85	0.12	59.5	<0.01	1.63	2.13	7.26	31.03	4.03	0.06	121.5	1.148	1.137
52	Unnamed Cold	7/1/80	<0.01	<0.2	10.6	7.1	0.3	75	0.024	3.4	3.1	9.4	65.00	3.4	0.049	NC	NC	NC
53	Unnamed Cold	7/1/80	<0.01	<0.2	10.4	7.5	0.35	73	0.024	3.4	3.2	9	69.00	2.4	0.051	NC	NC	NC
67	Unnamed Spring	5/28/91	<0.01	<0.02	9.1	1.34	0.14	56.1	<0.01	2.44	4.6	7	21.00	5.73	0.05	NC	NC	NC
89	Unnamed Spring	9/10/93	<0.05	0.02	11.4	4.38	0.34	80.8	0.03	2.9	2.49	16.2	60.10	4.04	0.1	NC	NC	NC
1	Water Canyon Gallery	8/1/78	<0.05	NA	7	NA	0.12	52	0.02	3.3	1.4	5.8	43.00	NA	0.05	NC	NC	NC
25	Water Canyon Gallery	8/18/92	<0.05	<0.02	7.2	0.64	0.05	52.8	<0.01	3.05	1.72	6.3	43.70	1.05	0.07	NC	NC	NC
25	Water Canyon Gallery	5/20/93	<0.01	0.01	6.94	0.69	0.06	44.6	0.01	2.79	1.79	4.9	39.80	2.85	0.07	NC	NC	NC
SSite96-14	Water Canyon Gallery	4/03/96	0.004	<0.01	6.18	0.77	0.03	48.9	0.02	3.15	1.75	5.99	44.30	1.20	0.05	113.8	0.900	0.865

[a] NA = Not analyzed.
[b] NC = Not calculated.

MINOR ELEMENTS OF TA-16 WATERS

SAMPLE ID	DESCRIPTION	DATE	SILVER (ppm)	ALUMINUM (ppm)	ARSENIC (ppm)	BARIUM (ppm)	CADMIUM (ppm)	COBALT (ppm)	CHROMIUM (ppm)	CESIUM (ppm)	COPPER (ppm)	IRON (ppm)	MERCURY (ppm)	IODINE (ppm)	MANGANESE (ppm)	MOLYBDENUM (ppm)	AMMONIUM (ppm)	NICKEL (ppm)	NITRITE (ppm)	NITRATE (ppm)	LEAD (ppm)	PHOSPHATE (ppm)	RUBIDIUM (ppm)	ANTIMONY (ppm)	SELENIUM (ppm)	THIOSULFATE (ppm)	ZINC (ppm)
Springs/Seeps																											
PP94-50	Burning Ground Spring	4/15/94	<0.0005	0.76	0.0008	0.29	0.0003	<0.002	<0.002	<0.002	0.004	0.31	0.0002	<0.01	<0.01	<0.002	0.10	0.005	<0.02	2.91	0.009	<0.05	0.005	<0.0002	<0.0002	<0.01	0.01
NMED	Burning Ground Spring	6/12/94	<0.1	0.4	0.0005	0.3	<0.001	<0.001	0.002	NA[a]	<0.01	0.3	<0.0005	NA	<0.05	<0.001	NA	<0.1	NA	1.1	<0.001	NA	NA	NA	<0.005	NA	<0.1
NMED	Burning Ground Spring	3/17/95	<0.01	0.4	<0.0005	0.3	<0.005	<0.01	<0.01	NA	<0.01	0.1	<0.0002	NA	<0.01	<0.01	NA	<0.02	NA	NA	<0.005	NA	NA	<0.05	<0.005	NA	<0.02
SSIle98-6	Burning Ground Spring	3/01/98	0.0004	0.65	0.0035	0.29	<0.001	<0.002	<0.002	<0.002	0.004	0.22	0.0002	<0.01	<0.01	0.002	0.05	<0.002	<0.02	3.91	<0.002	0.44	0.005	<0.0002	<0.0002	<0.01	0.01
SSIle98-17	Burning Ground Spring	4/10/98	<0.0002	0.41	0.0008	0.21	<0.0002	<0.002	<0.002	0.003	<0.002	0.16	<0.0002	<0.01	<0.01	0.003	0.05	0.002	<0.01	4.08	<0.002	0.42	0.006	<0.0001	<0.0001	<0.01	<0.01
NMED	Martin Spring	6/12/95	<0.01	<0.2	<0.01	0.2	<0.005	<0.01	<0.01	NA	<0.01	<0.1	<0.003	NA	<0.01	<0.01	NA	<0.02	NA	NA	<0.005	NA	NA	<0.02	<0.005	NA	<0.02
PP95-132	Martin Spring	7/21/95	<0.0005	0.16	0.0013	0.17	<0.0002	<0.002	<0.002	<0.002	<0.002	0.06	<0.0002	<0.01	<0.01	0.007	0.19	<0.002	0.04	16.3	<0.002	0.21	0.003	<0.0002	<0.0002	<0.01	0.01
SSIle98-4	Martin Spring	3/01/98	<0.0002	0.09	0.0019	0.19	<0.001	<0.002	<0.002	<0.002	0.005	0.04	0.0006	0.04	<0.01	0.009	0.10	0.003	<0.02	18.3	<0.002	0.25	0.002	<0.0002	<0.0002	<0.01	0.01
SSIle98-15	Martin Spring	4/10/98	<0.0002	0.16	0.0018	0.19	<0.0002	<0.002	0.002	0.002	<0.002	0.01	<0.0002	0.03	<0.01	0.010	0.03	<0.002	<0.01	18.3	<0.002	0.21	0.004	0.0001	<0.0001	<0.01	<0.01
PP94-76	SWSC Spring	6/12/94	<0.0005	0.09	<0.0005	0.32	0.0008	<0.002	<0.002	<0.002	0.018	0.07	<0.0002	<0.01	0.08	<0.002	0.15	0.003	<0.01	5.32	<0.002	0.09	0.002	<0.0002	<0.0002	<0.01	0.10
NMED	SWSC Spring	6/12/94	<0.1	0.8	0.001	0.3	<0.001	<0.05	<0.001	NA	<0.01	0.2	<0.0005	NA	<0.001	<0.1	NA	<0.1	NA	1	<0.001	NA	NA	NA	<0.005	NA	0.02
NMED	SWSC Spring	3/17/95	<0.01	0.8	<0.0005	0.3	<0.005	<0.01	<0.01	NA	<0.01	0.4	<0.0002	NA	<0.01	<0.01	NA	<0.02	NA	NA	<0.005	NA	NA	<0.05	<0.005	NA	0.04
SSIle98-18	SWSC Spring	4/10/98	<0.0002	0.29	0.0016	0.27	<0.0002	<0.002	<0.002	0.002	<0.002	0.10	<0.0002	<0.01	<0.01	0.003	0.04	<0.002	<0.01	4.80	<0.002	0.41	0.005	<0.0001	<0.0001	<0.01	<0.01
SSIle98-5	SWSC Spring	3/01/98	0.0003	0.32	0.0016	0.28	<0.001	<0.002	<0.002	<0.002	0.003	0.22	<0.0002	<0.01	<0.01	0.002	0.07	0.004	0.07	4.31	<0.002	0.35	0.006	<0.0002	<0.0002	<0.01	0.01
NMED	Fish ladder Seep	6/2/95	<0.01	2	<0.01	1.7	<0.005	<0.01	<0.01	NA	<0.01	1	<0.0002	NA	0.01	<0.1	NA	<0.02	NA	0.1	0.009	0.27	NA	<0.02	0.006	NA	0.06
SSIle98-11	Fish ladder Seep	3/27/98	<0.0002	1.20	0.0024	0.29	<0.0002	<0.002	0.002	<0.002	0.008	1.28	<0.0002	<0.01	0.05	<0.002	0.22	0.003	<0.01	<0.02	0.006	<0.05	0.003	<0.0001	<0.0001	<0.01	0.04
NMED	Pelar Seep	6/2/95	<0.01	<0.2	<0.01	1	<0.005	<0.01	<0.01	NA	<0.01	<0.1	<0.0002	NA	<0.01	<0.1	NA	<0.02	NA	0.5	<0.009	0.12	NA	<0.02	<0.005	NA	0.07
Outfalls																											
—	260 outfall	—	NA	NA	NA	0.5	NA	NA	NA	NA	0.01	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PP95-133	300 outfall	7/21/95	<0.0005	0.04	0.0013	0.04	<0.0002	<0.002	<0.002	0.006	0.010	0.39	<0.0002	<0.01	<0.01	0.009	0.71	<0.002	0.09	1.44	<0.002	<0.02	0.004	0.0009	<0.0002	<0.01	0.02
—	300 outfall	—	NA	NA	NA	NA	NA	NA	NA	NA	0.02	NA	NA	NA	NA	0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
—	340 outfall	—	NA	NA	NA	NA	NA	NA	NA	NA	0.01	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.02
SSIle98-10	340 outfall	3/27/98	<0.0002	0.09	0.0026	0.03	<0.0002	<0.002	0.005	<0.002	0.003	0.03	<0.0002	<0.01	<0.01	0.004	0.06	<0.002	<0.01	0.50	<0.002	<0.05	0.006	0.0002	<0.0001	<0.01	<0.01
SSIle98-21	Silver outfall	4/10/98	0.0037	0.11	0.0017	0.09	<0.0002	<0.002	0.008	<0.002	0.009	0.04	<0.0002	<0.01	<0.01	<0.002	0.27	<0.002	0.25	2.51	<0.002	<0.05	0.004	<0.0001	<0.0001	<0.01	0.02
Creeks																											
PP95-134	300-line Canyon TA-16	7/21/95	<0.0005	0.32	0.0019	0.24	0.0008	<0.002	<0.002	<0.002	<0.002	0.21	<0.0002	<0.01	0.02	0.007	0.14	0.008	<0.01	6.17	0.002	0.86	0.003	<0.0002	<0.0002	<0.01	0.01
SSIle95-1	Cañon de Valle Creek	3/17/95	<0.0005	0.51	0.0003	3.28	0.0016	<0.002	<0.002	<0.002	0.031	0.58	<0.0002	<0.01	0.04	<0.002	0.21	<0.002	<0.02	6.10	0.004	<0.05	0.002	0.0004	<0.0002	<0.01	0.15
SSIle95-2	Cañon de Valle Creek	3/17/95	<0.0005	0.88	0.0008	2.44	<0.0002	<0.002	<0.002	<0.002	0.020	0.32	<0.0002	<0.01	0.01	<0.002	0.26	0.005	<0.02	6.55	<0.002	<0.05	0.004	0.0002	<0.0002	<0.01	0.02
SSIle95-3	Cañon de Valle Creek	3/17/95	<0.0005	2.39	0.0008	0.43	<0.0002	<0.002	<0.002	<0.002	0.020	0.97	<0.0002	<0.01	<0.01	<0.002	0.20	0.002	<0.02	3.71	<0.002	<0.05	0.005	<0.0002	<0.0002	<0.01	0.02
MDA P S-1	Cañon de Valle Creek	4/94	ND[b]	0.31	ND	3	ND	ND	ND	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	0.1	ND	NA	NA	ND	ND	NA	ND
MDA P S-2	Cañon de Valle Creek	4/94	ND	0.58	ND	3	ND	ND	ND	NA	ND	0.34	ND	NA	ND	NA	NA	ND	NA	0.12	ND	NA	NA	ND	ND	NA	ND
MDA P S-3	Cañon de Valle Creek	4/94	ND	0.74	ND	3.1	ND	ND	ND	NA	ND	0.35	ND	NA	ND	NA	NA	ND	NA	ND	ND	NA	NA	ND	0.003	NA	ND
MDA P S-4	Cañon de Valle Creek	4/94	ND	0.37	ND	3.4	ND	ND	ND	NA	ND	0.31	ND	NA	ND	NA	NA	ND	NA	ND	ND	NA	NA	ND	ND	NA	ND
MDA P S-5	Cañon de Valle Creek	4/94	ND	0.18	ND	3.4	ND	ND	ND	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	ND	ND	NA	NA	ND	ND	NA	ND
MDA P S-6	Cañon de Valle Creek	4/94	ND	ND	ND	3.3	ND	ND	ND	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	ND	ND	NA	NA	0.003	ND	NA	ND
PP94-52	Snowmelt, Cañon de Valle	4/15/94	<0.0005	0.59	<0.0005	0.05	0.0004	<0.002	<0.002	<0.002	0.008	0.20	<0.0002	<0.01	<0.01	<0.002	0.08	<0.002	<0.02	<0.02	<0.002	<0.05	<0.002	<0.0002	<0.0002	<0.01	<0.01
PP94-51	Weirbox, Cañon de Valle	4/15/94	<0.0005	0.29	0.0016	2.80	<0.0002	<0.002	<0.002	<0.002	0.003	0.16	0.0006	<0.01	0.02	<0.002	0.11	0.006	<0.02	<0.02	<0.002	<0.05	0.004	<0.0002	<0.0002	<0.01	<0.01
Springs/Seeps																											
SSIle98-8	90s-line Drainage	3/05/98	<0.0002	2.12	0.0053	0.06	<0.001	<0.002	0.002	<0.002	0.011	1.30	<0.0002	<0.01	0.02	0.004	0.12	0.005	<0.02	0.02	0.002	10.3	0.003	0.0008	<0.0002	<0.01	0.02
SSIle98-19	90s-line Drainage	4/10/98	0.0002	0.83	0.0040	0.05	<0.0002	0.002	0.002	<0.002	0.010	0.67	<0.0002	<0.01	0.04	0.003	0.11	0.005	<0.01	<0.02	0.002	18.1	0.005	0.0004	0.0001	<0.01	<0.01
SSIle98-9	90s-line Pond	3/05/98	<0.0002	0.71	0.0008	1.44	<0.001	<0.002	<0.002	<0.002	0.005	0.48	<0.0002	<0.01	<0.01	<0.002	0.14	<0.002	<0.02	0.09	<0.002	<0.05	0.002	<0.0002	<0.0002	<0.01	0.02
SSIle98-20	90s-line Pond	4/10/98	<0.0002	0.84	0.0017	2.37	0.0012	<0.002	<0.002	<0.002	0.007	0.49	<0.0002	<0.01	<0.01	<0.002	0.03	0.006	<0.01	<0.02	0.002	<0.05	0.002	0.0001	<0.0001	<0.01	<0.01
PP95-135	K-Site	7/21/95	<0.0005	0.87	0.0045	0.20	0.0015	<0.002	<0.002	<0.002	0.014	1.12	<0.0002	<0.01	0.32	0.025	0.10	0.004	5.72	0.51	<0.002	1.39	0.007	0.0009	<0.0002	<0.01	0.09
SHB-3	TA-16 well	7/20/93	<0.001	<0.05	<0.001	0.06	<0.0005	<0.002	0.005	0.002	0.014	0.06	<0.001	<0.01	<0.01	0.11	0.46	0.005	<0.02	0.52	0.002	0.02	0.089	<0.001	<0.001	NA	0.14
SSIle98-7	WWTP	3/05/98	<0.0002	0.07	0.0018	0.08	<0.001	<0.002	0.004	0.004	0.008	0.20	<0.0002	<0.01	0.01	0.002	0.04	<0.002	<0.02	2.09	<0.002	2.24	0.017	0.0004	0.0004	<0.01	0.03
SSIle98-16	WWTP	4/10/98	<0.0002	0.08	0.0016	0.06	<0.0002	<0.002	0.004	0.002	0.005	0.05	<0.0002	<0.01	0.01	0.078	3.02	<0.002	<0.01	1.99	<0.002	1.36	0.018	<0.0001	<0.0001	<0.01	<0.01
Background springs																											
SSIle98-13	Apache Spring	4/03/98	<0.0002	0.28	<0.0002	0.07	<0.0002	<0.002	<0.002	<0.002	<0.002	0.10	<0.0002	<0.01	<0.01	<0.002	0.04	<0.002	0.02	1.23	<0.002	0.07	0.010	<0.0001	<0.0001	<0.01	<0.01
44	Cold Spring west cal	6/1/80	NA	NA	NA	0.02	0.003	NA	NA	NA	NA	0.2	NA	NA	NA	NA	NA	NA	NA	0.18	NA	NA	NA	NA	NA	NA	NA
62	Frijoles Spring #49	5/22/81	<0.001	1	<0.05	0.08	<0.001	<0.002	<0.002	<0.005	0.009	2.12	<0.1	<0.01	<0.02	<0.002	0.09	<0.002	<0.02	0.3	<0.002	<0.05	0.008	<0.05	<0.1	NA	<0.01
63	Frijoles Spring #50	5/22/81	<0.001	0.5	<0.05	0.09	<0.001	<0.002	<0.002	<0.005	0.003	1.08	<0.1	<0.01	<0.02	<0.002	0.08	<0.002	<0.02	0.71	<0.002	0.11	0.007	<0.05	<0.1	NA	0.02
66	Pine Spring	5/24/81	<0.003	1.4	<0.05	0.05	<0.001	<0.002	0.004	0.008	0.004	4.17	<0.1	<0.01	<0.02	<0.002	0.24	<0.002	<0.02	0.04	0.008	<0.05	0.007	<0.05	<0.1	NA	0.07
0	Pine Spring	3/28/95	<0.01	1	<0.005	0.1	<0.005	<0.01	<0.01	NA	<0.01	0.5	<0.0002	NA	<0.01	<0.01	NA	<0.02	NA	0.2	<0.005	NA	NA	<0.05	<0.005	NA	<0.02
0	Pine Spring	10/16/95	<0.01	<0.2	<0.01	<0.1	<0.005	<0.01	<0.01	NA	<0.01	<0.1	<0.0002	NA	<0.01	<0.01	NA	<0.02	NA	0.1	<0.005	NA	NA	<0.02	<0.005	NA	<0.02
44	Seven Springs	10/1/79	<0.03	0.2	NA	0.036	<0.03	<0.06	0.001	NA	<0.04	0.038	NA	NA	0.001	0.001	NA	<0.05	NA	NA	<0.14	NA	NA	NA	NA	NA	<0.01
44	Seven Springs	5/1/83	NA	0.2	NA	0.02	0.003	NA	NA	NA	NA	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
76	Seven Springs	5/10/81	<0.001	<0.1	<0.05	0.01	<0.001	<0.002	0.011	<0.005	<0.002	0.52	<0.1	<0.01	<0.02	<0.002	0.04	<0.002	<0.02	0.47	<0.002	<0.05	0.02	<0.1	<0.1	NA	0.01
SSIle98-12	Seven Springs	4/3/98	<0.0002	0.12	0.0004	0.02	<0.0002	<0.002	<0.002	<0.002	0.002	0.02	<0.0002	<0.01	<0.01	<0.002	0.08	<0.002	<0.01	1.16	<0.002	<0.05	0.019	<0.0001	0.0003	<0.01	0.01
52	Unnamed Cold	7/1/80	<0.03	NA	NA	0.018	<0.001	<0.001	<0.001	NA	<0.001	0.15	NA	NA	0.002	<0.002	NA	<0.002	NA	<0.2	<0.004	<0.2	NA	NA	NA	NA	0.024
53	Unnamed Cold	7/1/80	<0.03	NA	NA	0.022	<0.001	<0.001	0.004	NA	<0.001	1.19	NA	NA	0.135	<0.002	NA	<0.002	NA	0.7	<0.004	<0.2	NA	NA	NA	NA	0.008
67	Unnamed Spring	5/28/81	<0.001	3.8	<0.05	0.08	0.001	<0.002	0.004	0.007	0.007	13.4	<0.1	<0.01	<0.02	<0.002	0.38	<0.002	<0.02	0.09	0.005	<0.05	0.01	<0.05	<0.1	NA	0.08
89	Unnamed Spring	9/10/93	<0.0005	0.8	0.006	0.03	<0.0002	<0.002	0.003	<0.002	0.008	0.44	<0.0002	<0.01	<0.01	<0.002	0.16	<0.002	<0.01	1.82	0.002	<0.02	0.007	<0.002	<0.002	NA	0.1
1	Water Canyon Gallery	6/1/78	<0.03	NA	NA	<0.12	<0.03	<0.06	<0.03	NA	<0.04	<0.04	NA	NA	<0.02	<0.1	NA	<0.05	NA	NA	<0.14	NA	NA	NA	NA	NA	<0.01
23	Water Canyon Gallery	8/18/92	<0.001	<0.1	<0.05	0.01	<0.001	<0.002	0.003	<0.002	<0.002	<0.01	0	<0.02	<0.01	0.009	<0.05	<0.002	<0.02	0.48	0.004	<0.05	0.004	<0.1	0	NA	0.02
25	Water Canyon Gallery	5/20/93	<0.001	0.2	<0.05	0.02	0.001	<0.002	<0.002	<0.002	0.002	0.05	0	<0.01	<0.01	<0.002	<0.02	<0.002	<0.01	0.86	0.005	0.07	0.006	<0.1	0	NA	0.05
SSIle98-14	Water Canyon Gallery	4/03/98	<0.0002	0.15	0.0004	0.01	<0.0002	<0.002	<0.002	<0.002	<0.002	0.05	<0.0002	<0.01	<0.01	<0.002	0.08	<0.002	0.02	0.91	<0.002	<0.05	0.006	<0.0001	<0.0001	<0.01	<0.01

[a] NA = Not analyzed.
[b] NC = Not calculated.

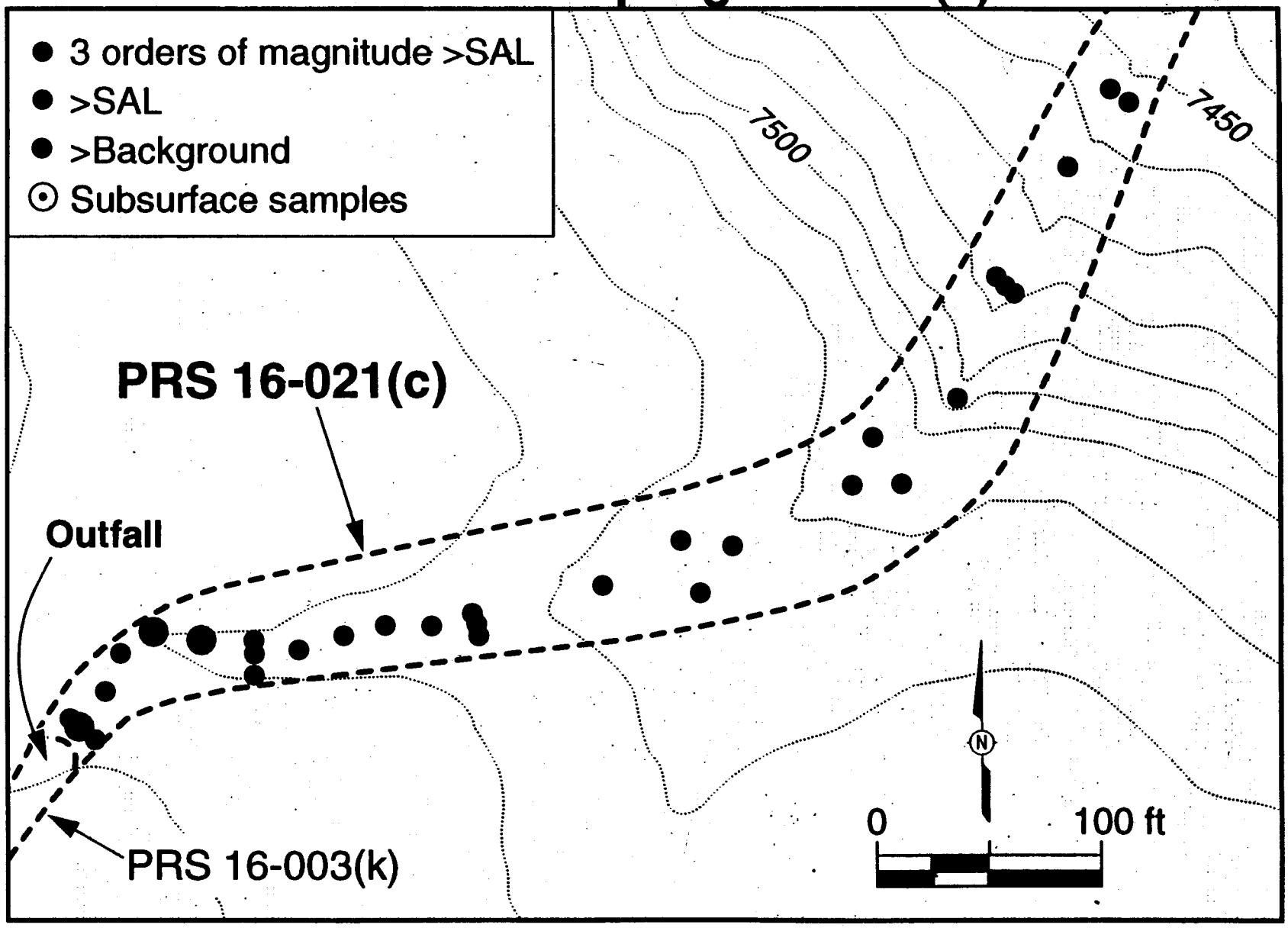
TABLE C-5

HIGH EXPLOSIVES IN TA-16 WATERS

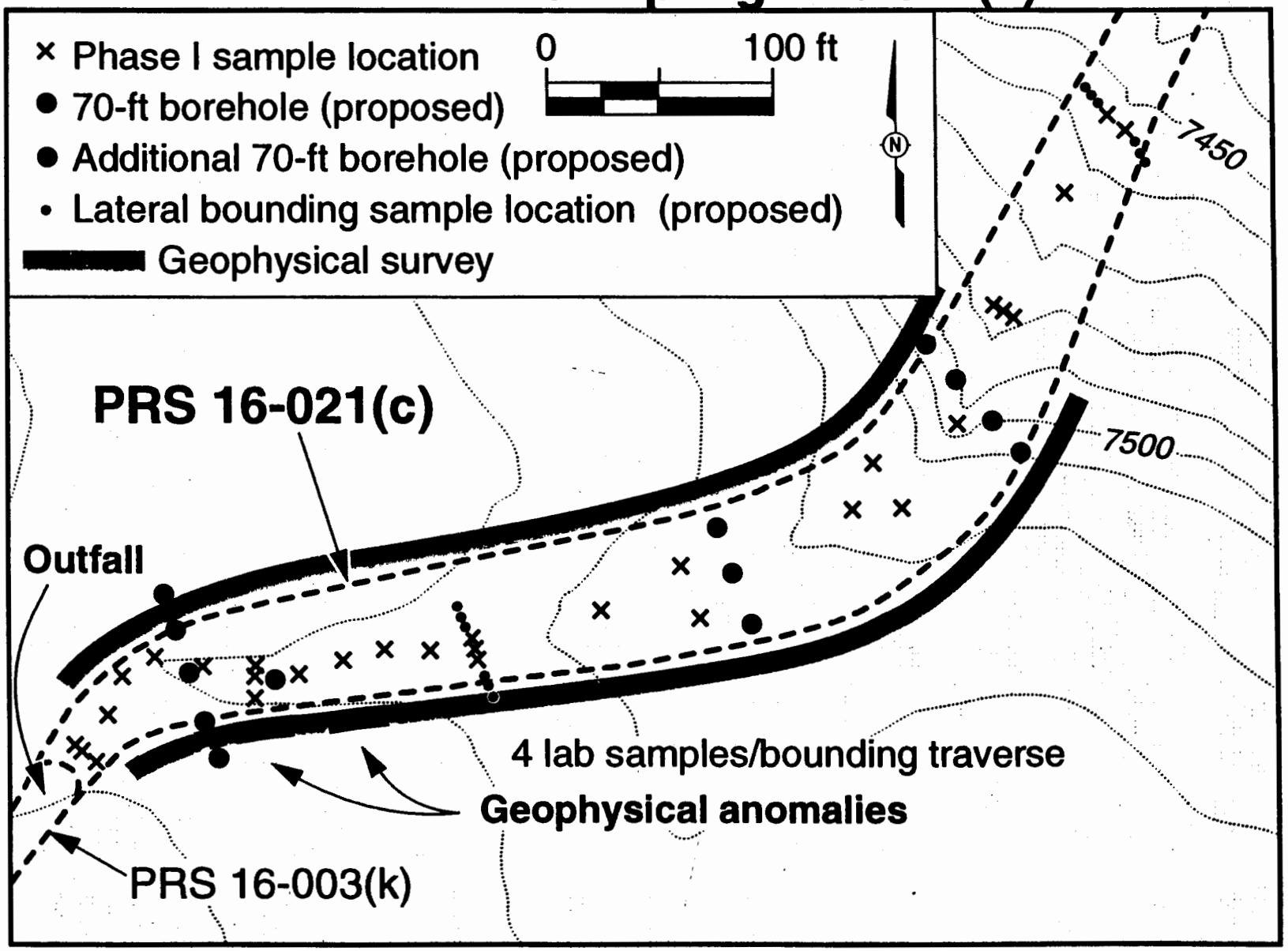
SAMPLE ID	DESCRIPTION	DATE	2-ONT (ppm)	DNT (ppm)	HMX (ppm)	NG (ppm)	PETN (ppm)	RDX (ppm)	TNT (ppm)	[illegible] (ppm)
SAL[a]	N/A[b]	N/A	NC[c]	NC	1.8	2.7	0.7	0.00061	0.0018	0.0022
Springs/Seeps										
PP94-50	Burning Ground Spring	4/15/94	NA[d]	NA	<0.02	<0.01	<0.05	<0.02	NA	<0.02
NMED	Burning Ground Spring	8/12/94	NA	NA	NA	NA	NA	NA	NA	NA
NMED	Burning Ground Spring	3/17/95	NA	NA	NA	NA	NA	NA	NA	NA
SSite96-5	Burning Ground Spring	3/01/96	NA	NA	0.04	<0.01	<0.05	0.01	NA	<0.01
SSite96-17	Burning Ground Spring	4/10/96	NA	NA	<0.02	<0.01	<0.05	<0.01	NA	<0.01
NMED	Martin Spring	5/12/95	0.0033	ND[e]	0.011	NA	NA	0.1	ND	ND
PP95-132	Martin Spring	7/21/95	NA	NA	0.05	<0.01	<0.05	0.11	NA	<0.02
SSite96-4	Martin Spring	3/01/96	NA	NA	0.03	<0.01	<0.05	0.11	NA	<0.01
SSite96-15	Martin Spring	4/10/96	NA	NA	0.02	<0.01	<0.05	0.12	NA	<0.01
PP94-74	SWSC Spring	8/12/94	NA	NA	<0.02	<0.01	<0.05	<0.02	NA	<0.02
NMED	SWSC Spring	8/12/94	NA	NA	NA	NA	NA	NA	NA	NA
NMED	SWSC Spring	5/12/95	0.0023	ND	0.0065	NA	NA	0.063	ND	ND
SSite96-16	SWSC Spring	4/10/96	NA	NA	<0.02	<0.01	<0.05	<0.01	NA	<0.01
SSite96-6	SWSC Spring	3/01/96	NA	NA	0.03	<0.01	<0.05	0.02	NA	<0.01
NMED	Fish ladder Seep	6/2/95	ND	ND	0.0076	NA	NA	0.0027	ND	ND
SSite96-11	Fish ladder Seep	3/27/96	NA	NA	<0.02	<0.01	<0.05	<0.01	NA	<0.01
NMED	Peter Seep	6/2/95	ND	ND	ND	NA	NA	ND	ND	ND
Outfalls										
—	260 outfall	—	NA	NA	1.1	NA	NA	0.077	NA	0.068
SSite96-25	260 outfall (filtered)	7/12/96	NA	0.146	1.213	NA	NA	0.484	0.418	19.998
SSite96-25	260 outfall (unfiltered)	7/12/96	NA	0.145	1.15	NA	NA	0.419	NA	21.201
PP95-133	300 outfall	7/21/95	NA	NA	0.02	<0.01	<0.05	0.02	NA	<0.02
—	300 outfall	—	NA	NA	NA	NA	NA	NA	NA	0.068
—	340 outfall	—	NA	NA	0.0048	NA	NA	NA	NA	0.868
SSite96-10	340 outfall	3/27/96	NA	NA	<0.02	<0.01	<0.05	<0.01	NA	<0.01
SSite96-21	Silver outfall	4/10/96	NA	NA	<0.02	<0.01	<0.05	<0.01	NA	<0.01
Creeks										
PP95-134	300-line canyon TA-16	7/21/95	NA	NA	<0.02	<0.01	<0.05	<0.02	NA	<0.02
SSite95-1	Cañon de Valle Creek	3/17/95	NA	NA	0.04	<0.01	<0.05	0.07	NA	<0.02
SSite95-2	Cañon de Valle Creek	3/17/95	NA	NA	0.05	<0.01	<0.05	0.12	NA	<0.02
MDA P S-1	Cañon de Valle Creek	4/94	NA	NA	NA	NA	NA	0.18	NA	NA
MDA P S-2	Cañon de Valle Creek	4/94	NA	NA	NA	NA	NA	0.152	NA	NA
MDA P S-3	Cañon de Valle Creek	4/94	NA	NA	NA	NA	NA	0.196	NA	NA
MDA P S-4	Cañon de Valle Creek	4/94	NA	NA	NA	NA	NA	0.133	NA	NA
MDA P S-5	Cañon de Valle Creek	4/94	NA	NA	NA	NA	NA	0.148	NA	NA
MDA P S-6	Cañon de Valle Creek	4/94	NA	NA	NA	NA	NA	0.162	NA	NA
SSite95-3	Cañon de Valle Creek	3/17/95	NA	NA	0.02	<0.01	<0.05	<0.02	NA	<0.02
PP94-52	Snowmelt, Cañon de Valle	4/15/94	NA	NA	<0.02	<0.01	<0.05	<0.02	NA	<0.02
PP94-51	Weirbox, Cañon de Valle	4/15/94	NA	NA	0.04	<0.01	<0.05	0.16	NA	<0.02
Assorted locations										
SSite96-8	90s-line Drainage	3/05/96	NA	NA	0.04	0.03	<0.05	<0.01	NA	<0.01
SSite96-19	90s-line Drainage	4/10/96	NA	NA	<0.02	0.03	<0.05	<0.01	NA	<0.01
SSite96-9	90s-line Pond	3/05/96	NA	NA	0.04	0.01	<0.05	<0.01	NA	<0.01
SSite96-20	90s-line Pond	4/10/96	NA	NA	<0.02	<0.01	<0.05	<0.01	NA	<0.01
PP95-135	K-Site	7/21/95	NA	NA	<0.02	<0.01	<0.05	<0.02	NA	<0.02
SSite96-7	WWTP	3/05/96	NA	NA	0.01	0.02	<0.05	<0.01	NA	<0.01
SSite96-18	WWTP	4/10/96	NA	NA	<0.02	<0.01	<0.05	<0.01	NA	<0.01
Background springs										
SSite96-13	Apache Spring	4/03/96	NA	NA	<0.02	<0.01	<0.05	<0.01	NA	<0.01
44	Cold Spring west cal	8/1/80	NA	NA	NA	NA	NA	NA	NA	NA
62	Frijoles Spring #49	5/22/91	NA	NA	NA	NA	NA	NA	NA	NA
63	Frijoles Spring #50	5/22/91	NA	NA	NA	NA	NA	NA	NA	NA
66	Pine Spring	5/24/91	NA	NA	NA	NA	NA	NA	NA	NA
0	Pine Spring	3/28/95	NA	NA	NA	NA	NA	NA	NA	NA
0	Pine Spring	10/18/95	NA	NA	NA	NA	NA	NA	NA	NA
44	Seven Springs	10/1/79	NA	NA	NA	NA	NA	NA	NA	NA
44	Seven Springs	5/1/83	NA	NA	NA	NA	NA	NA	NA	NA
76	Seven Springs	5/10/91	NA	NA	NA	NA	NA	NA	NA	NA
SSite96-12	Seven Springs	4/3/96	NA	NA	<0.02	<0.01	<0.05	<0.01	NA	<0.01
52	Unnamed Cold	7/1/80	NA	NA	NA	NA	NA	NA	NA	NA
53	Unnamed Cold	7/1/80	NA	NA	NA	NA	NA	NA	NA	NA
87	Unnamed Spring	5/28/91	NA	NA	NA	NA	NA	NA	NA	NA
89	Unnamed Spring	9/10/93	NA	NA	NA	NA	NA	NA	NA	NA
1	Water Canyon Gallery	8/1/78	NA	NA	NA	NA	NA	NA	NA	NA
25	Water Canyon Gallery	8/18/92	NA	NA	NA	NA	NA	NA	NA	NA
25	Water Canyon Gallery	5/20/93	NA	NA	NA	NA	NA	NA	NA	NA
SSite96-14	Water Canyon Gallery	4/03/96	NA	NA	<0.02	<0.01	<0.05	<0.01	NA	<0.01

[a] SAL=Screening action level.
[b] N/A= Not applicable.
[c] NC=Not calculated.
[d] NA=Not analyzed.
[e] ND=Not detected.

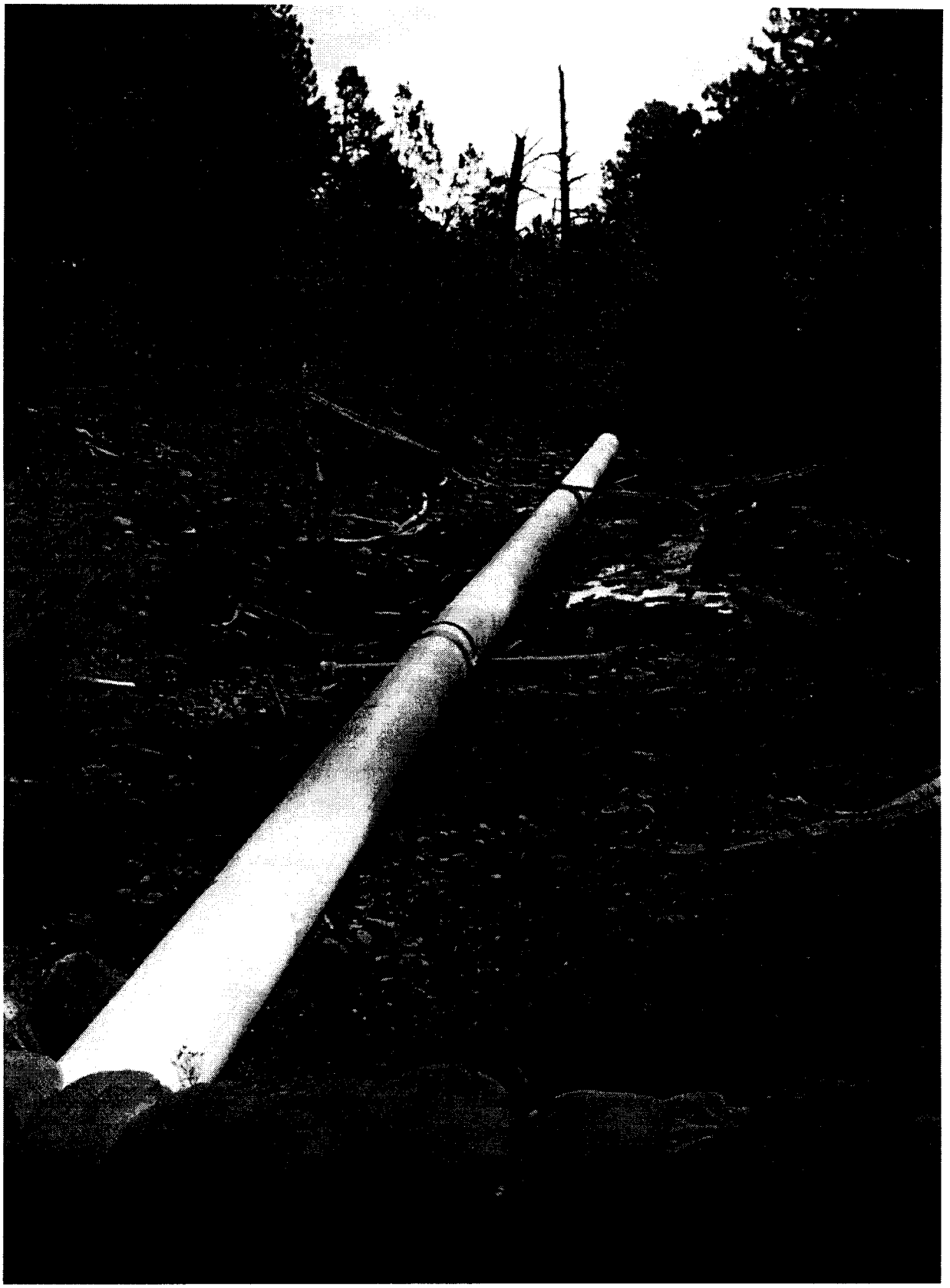
RFI Phase I Sampling—16-021(c)



RFI Phase II Sampling—16-021(c)

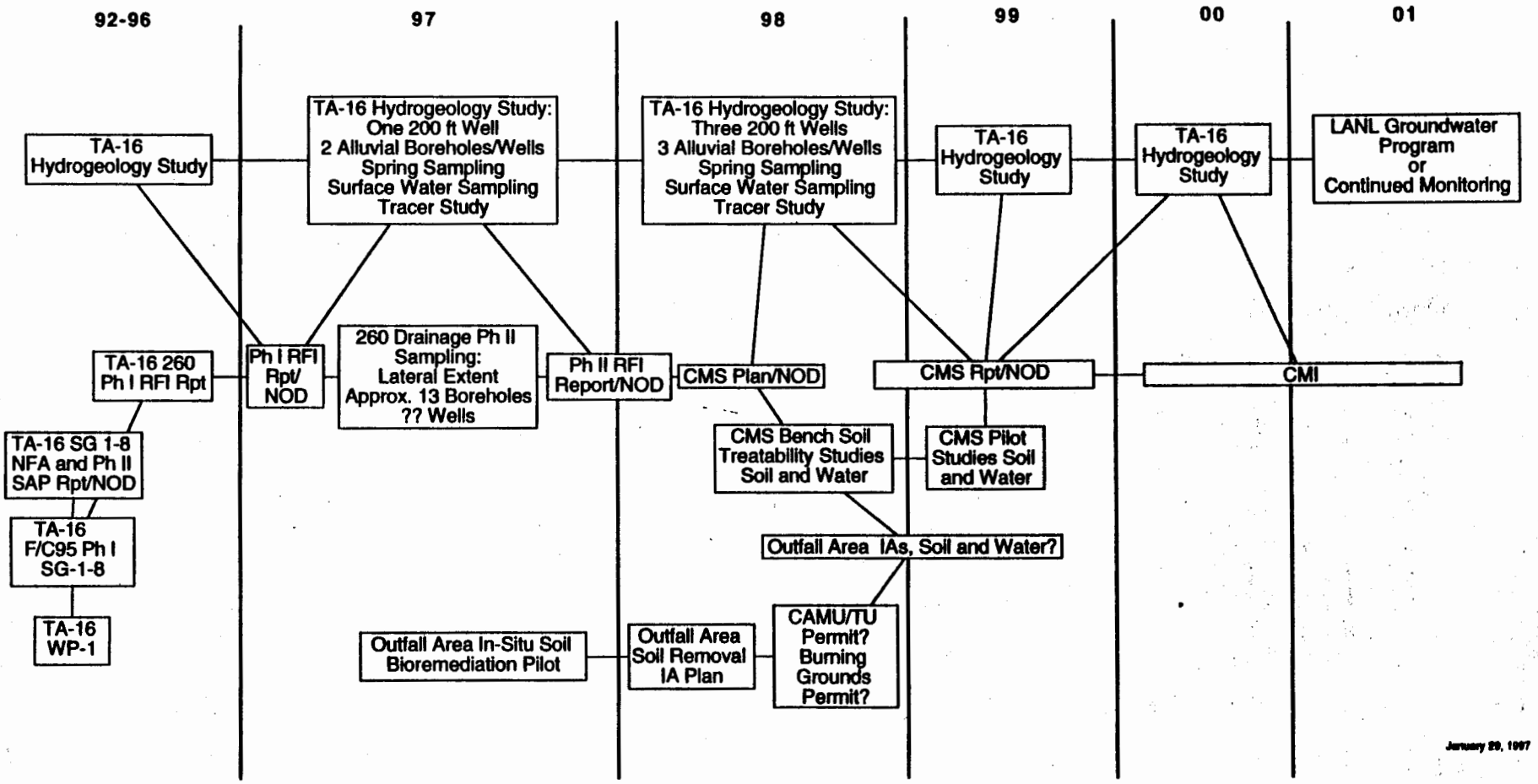


PRS 16-021(c) Outfall - Moving rock and use of hay bales and jute mat to prevent further migration of contaminants in drainage



PRS 16-021(c) outfall--after interim action

TA-16 260 OUTFALL 16-021(c) CMS LOGIC



Los Alamos National Laboratory

Environment, Safety and Health Division
ESH-18 Water Quality and Hydrology Group

AP 4.5 Surface Water Assessment
Erosion Matrix for PRS 16-021(c)

CRITERIA EVALUATED	Value	Erosion/Sediment Transport Potential Low 0.1	Medium 0.5	High 1.0	Calculated Score
Site Setting (43)					
On mesa top	1	Defined based on topographic setting			
Within bench of canyon	4				
Within the canyon floodplain but not watercourse	13				
Within bottom of canyon channel in watercourse	17				17.0
Estimated % ground and canopy cover	13	>75%	25-75%	<25%	13.0
Slope	13	0-10%	10-30%	>30%	1.3
Surface Water Factors-Run-off (46)					
Visible evidence of runoff discharging? (Yes/No)	5	If no, score of 0 for runoff section.			5.0
		If yes, score 5 and proceed with section.			
Where does runoff terminate?	19	Other	Bench Setting	Drainage/Wetland	19.0
Has runoff caused visible erosion? (Yes/No)	22	Sheet	Rill	Gully	11.0
		If no, score as 0. If yes, calculate as appropriate.			
Surface Water Factors-Run-on (11)					
Structures adversely affecting run-on (Yes/No)	7*	If yes, score as 7. If no, score as 0.			7.0
Current operations adversely impacting (Yes/No)	4	If yes, score as 4. If no, score as 0.			0.0
Natural drainages onto site (Yes/No)	7*	If yes, score as 7. If no, score as 0.			*
**Select either structures or natural drainages.*					
MAX. POSSIBLE EROSION MATRIX SCORE:	**100**			**Total Score**	73.3**

** Indicates BMPs in place. Erosion potential without BMPs would be greater.

Los Alamos National Laboratory
SURFACE WATER
SITE ASSESSMENT

SITE INFORMATION

1a) PRS Number 16-021(c) **1b) Structure Number** [ ] **1c) FMU Number** 70

2. Date/Time (M/D/Y H:M am/pm) 9/5/97 9:47:00 AM

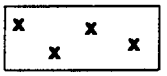
SITE SETTING (check all that apply)

3. ◉ **On mesa top (a).** ○ **In the canyon floor, but not in an established channel (c).**

○ **Within a bench of a canyon (b).** ◉ **Within established channel in the canyon floor (d).**

Explanation: Within established channel on mesa top. Channel discharges to Canon de Valle.

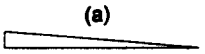
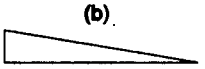
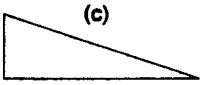
4. Estimated ground and/or canopy cover at site: (deciduous leaves, pine needles, rocks, vegetation, trees, structures, asphalt, etc.)

(illustration) (a)  (b) (c)

Estimated % of ground/canopy cover: ◉ **0% to 25%** ○ **25% to 75%** ○ **75% to 100%**

Explanation: PRS is watercourse with very little vegetation.

5. Steepest slope at the area impacted:

(a)  (b)  (c) 

◉ **Less than 10%** ○ **10% to 30%** ○ **30% and greater**

Explanation:

RUNOFF FACTORS

Y / N

☒ ☐ **6. Is there visible evidence of runoff discharging from site? If yes, answer a) - c) below:**

☒ ☐ **6a) Is runoff channelized? If yes, describe:** ◉ **Man-made channel.** ○ **Natural channel.**

Explanation: Trough that drains a series of sumps in TA-16-260. Discharges into natural drainage channel. Man-made source.

RUNOFF FACTORS, CONT'D

6b) Where does evidence of runoff terminate?

- (●) Drainage or wetland (name) Canon de Valle
- ( ) Within bench of canyon setting (name)
- ( ) Other (i.e., retention pond, meadow, mesa top)

Explanation:

Y / N

☒ ☐ 6c) Has runoff caused visible erosion at the site? If yes, explain below: ( ) Sheet (●) Rill ( ) Gully

Explanation: Eroded channel sides and formed rills within channel.

RUN-ON FACTORS

Please rate the potential for storm water to run on to this site: (Check EITHER #7 or #9)

☒ ☐ 7. Are structures (i.e., buildings, roof drains, parking lots, storm drains) creating run-on to the site?

Explanation: Run-on is from discharges associated with industrial activity in TA-16-260.

☐ ☒ 8. Are current operations (i.e., fire hydrants, NPDES outfalls) adversely impacting run-on to the site?

Explanation:

☒ ☐ 9. Are natural drainage patterns directing stormwater onto site?

Explanation: Sheet flow from slopes surrounding channel.

ASSESSMENT FINDING:

☐ ☒ 10. Based on the above criteria and the assessment of this site, does soil erosion potential exist? (REFER TO EROSION POTENTIAL MATRIX.)

T. Lemke

11. Signature of Water Quality/Hydrology Representative

GV Initials of independent reviewer.

Check here when information is entered in database: ☒

This page is for ESH-18 notes, recommendations, and photos.

	Y	N	
12. a)	○	●	Is there visible trash/debris on the site?
b)	○	●	Is there visible trash/debris in a watercourse?

Description of existing BMPs:

Rock and straw bale check dams.

●	○	Are BMPs being properly maintained? If no, describe in "Other Internal Notes."
●	○	Are BMPs effectively keeping sediment in place and reducing erosion potential?

OTHER INTERNAL NOTES:

Multiple BMPs in place.

SAMPLE_ID	LOCATION_ID	X_COORD	Y_COORD	MEDIA	BEGIN_DEPTH	END_DEPTH	DEPTH UNITS
0316-95-0013	16-1397	1613291.66	1764496.69	ALLH	0	6	IN
0316-95-0014	16-1396	1613301.1	1764489	ALLH	0	6	IN
0316-95-0015	16-1399	1613372.4	1764532.09	ALLH	0	6	IN
0316-95-0016	16-1398	1613372.16	1764517.05	ALLH	0	6	IN
0316-95-0017	16-1401	1613468.05	1764543.61	ALLH	0	6	IN
0316-95-0018	16-1400	1613470.83	1764534.18	ALLH	0	6	IN
0316-95-0019	16-1403	1613561.2	1764575.69	ALLH	0	6	IN
0316-95-0020	16-1402	1613569.29	1764552.91	ALLH	0	6	IN
0316-95-0021	16-1405	1613646.52	1764621.25	ALLH	0	6	IN
0316-95-0022	16-1404	1613659.83	1764601.43	ALLH	0	2	IN
0316-95-0023	16-1407	1613701.71	1764692.44	ALLH	0	6	IN
0316-95-0024	16-1406	1613710.64	1764687.19	ALLH	0	6	IN
0316-95-0025	16-1409	1613754.3	1764775.88	ALLH	0	6	IN
0316-95-0026	16-1408	1613762.06	1764769.46	ALLH	0	6	IN
0316-95-0027	16-1379	1613295.21	1764493.73	ALLH	0	6	IN
0316-95-0028	16-1380	1613306.44	1764509.66	ALLH	0	6	IN
0316-95-0029	16-1381	1613313.34	1764527.41	ALLH	0	6	IN
0316-95-0030	16-1382	1613329.16	1764535.06	ALLH	0	6	IN
0316-95-0031	16-1383	1613348.95	1764531.2	ALLH	0	6	IN
0316-95-0032	16-1384	1613372.15	1764526.98	ALLH	0	6	IN
0316-95-0033	16-1385	1613391.77	1764528.26	ALLH	0	6	IN
0316-95-0034	16-1386	1613411.11	1764534.2	ALLH	0	6	IN
0316-95-0035	16-1387	1613429.55	1764538.79	ALLH	0	6	IN
0316-95-0036	16-1388	1613449.4	1764538.82	ALLH	0	6	IN
0316-95-0037	16-1389	1613469.42	1764539.37	ALLH	0	6	IN
0316-95-0038	16-1390	1613526.29	1764556.38	ALLH	0	6	IN
0316-95-0039	16-1391	1613584.04	1764573.99	ALLH	0	6	IN
0316-95-0040	16-1392	1613637.1	1764600.73	ALLH	0	6	IN
0316-95-0041	16-1393	1613684.59	1764638.83	ALLH	0	6	IN
0316-95-0042	16-1394	1613706.19	1764689.72	ALLH	0	6	IN
0316-95-0043	16-1395	1613734.27	1764741.54	ALLH	0	6	IN
0316-95-0121	16-1459	1613388.88	1761696.92	ALLH	0	6	IN

SAMPLE_ID	LOCATION_ID	X_COORD	Y_COORD	MEDIA	BEGIN_DEPTH	END_DEPTH	DEPTH UNITS
0316-95-2012	16-1382	1613329.16	1764535.06	ALLH	0	6	IN
0316-95-2013	16-1383	1613348.95	1764531.2	ALLH	0	6	IN
0316-97-0388	16-2710	1611508.02	1763967.66	ALLH	6	12	IN
0316-97-0389	16-2709	1611125.96	1763542.73	ALLH	6	12	IN
0316-97-1704	16-2709	1611125.96	1763542.73	ALLH	6	12	IN
0316-97-1726	16-2710	1611508.02	1763967.66	ALLH	6	12	IN

SAMPLE_ID	METHOD	ANALYTE	RESULT	UNITS	LANL_QUALIFIER
0316-95-0013	HEXP	Amino-4,6-dinitrotoluene[2-]	0.288	MG/KG	PM
0316-95-0013	HEXP	HMX	22.4	MG/KG	PM
0316-95-0013	HEXP	RDX	1.38	MG/KG	PM
0316-95-0014	HEXP	HMX	0.822	MG/KG	PM
0316-95-0015	HEXP	Amino-4,6-dinitrotoluene[2-]	0.274	MG/KG	PM
0316-95-0015	HEXP	HMX	6.26	MG/KG	PM
0316-95-0015	HEXP	RDX	0.541	MG/KG	PM
0316-95-0016	HEXP	Amino-4,6-dinitrotoluene[2-]	0.265	MG/KG	PM
0316-95-0016	HEXP	HMX	16.5	MG/KG	PM
0316-95-0016	HEXP	RDX	4.18	MG/KG	PM
0316-95-0017	HEXP	Amino-2,6-dinitrotoluene[4-]	20.1	MG/KG	PM
0316-95-0017	HEXP	Amino-4,6-dinitrotoluene[2-]	25.4	MG/KG	PM
0316-95-0017	HEXP	Dinitrotoluene[2,4-]	0.446	MG/KG	PM
0316-95-0017	HEXP	HMX	2590	MG/KG	PM
0316-95-0017	HEXP	Nitrobenzene	0.091	MG/KG	PM
0316-95-0017	HEXP	RDX	94.6	MG/KG	PM
0316-95-0017	HEXP	Trinitrobenzene[1,3,5-]	0.199	MG/KG	PM
0316-95-0017	HEXP	Trinitrotoluene[2,4,6-]	32.5	MG/KG	PM
0316-95-0018	HEXP	Amino-2,6-dinitrotoluene[4-]	21.6	MG/KG	PM
0316-95-0018	HEXP	Amino-4,6-dinitrotoluene[2-]	42.2	MG/KG	PM
0316-95-0018	HEXP	Dinitrotoluene[2,4-]	1.2	MG/KG	PM
0316-95-0018	HEXP	HMX	172	MG/KG	PM
0316-95-0018	HEXP	Nitrotoluene[3-]	2.12	MG/KG	PM
0316-95-0018	HEXP	RDX	26.6	MG/KG	PM
0316-95-0018	HEXP	Trinitrotoluene[2,4,6-]	5.45	MG/KG	PM
0316-95-0019	HEXP	Amino-2,6-dinitrotoluene[4-]	1.63	MG/KG	PM
0316-95-0019	HEXP	Amino-4,6-dinitrotoluene[2-]	2.82	MG/KG	PM
0316-95-0019	HEXP	Dinitrotoluene[2,4-]	0.305	MG/KG	PM
0316-95-0019	HEXP	HMX	38.3	MG/KG	PM
0316-95-0019	HEXP	RDX	4.83	MG/KG	PM
0316-95-0020	HEXP	HMX	4.02	MG/KG	PM
0316-95-0021	HEXP	Amino-2,6-dinitrotoluene[4-]	2.49	MG/KG	PM

SAMPLE_ID	METHOD	ANALYTE	RESULT	UNITS	LANL_QUALIFIER
0316-95-0021	HEXP	Amino-4,6-dinitrotoluene[2-]	6.38	MG/KG	PM
0316-95-0021	HEXP	Dinitrotoluene[2,4-]	0.407	MG/KG	PM
0316-95-0021	HEXP	HMX	1.89	MG/KG	PM
0316-95-0021	HEXP	RDX	0.348	MG/KG	PM
0316-95-0022	HEXP	Amino-2,6-dinitrotoluene[4-]	17.9	MG/KG	PM
0316-95-0022	HEXP	Amino-4,6-dinitrotoluene[2-]	27.7	MG/KG	PM
0316-95-0022	HEXP	Dinitrotoluene[2,4-]	3.99	MG/KG	PM
0316-95-0022	HEXP	HMX	367	MG/KG	PM
0316-95-0022	HEXP	Nitrobenzene	1.2	MG/KG	PM
0316-95-0022	HEXP	RDX	2.44	MG/KG	PM
0316-95-0023	HEXP	HMX	0.969	MG/KG	PM
0316-95-0024	HEXP	HMX	0.404	MG/KG	PM
0316-95-0025	HEXP	Amino-2,6-dinitrotoluene[4-]	1.69	MG/KG	PM
0316-95-0025	HEXP	Amino-4,6-dinitrotoluene[2-]	2.8	MG/KG	PM
0316-95-0025	HEXP	Dinitrotoluene[2,4-]	0.144	MG/KG	PM
0316-95-0025	HEXP	HMX	108	MG/KG	PM
0316-95-0025	HEXP	HMX	108	MG/KG	PM
0316-95-0025	HEXP	RDX	1.21	MG/KG	PM
0316-95-0026	HEXP	Amino-2,6-dinitrotoluene[4-]	64.1	MG/KG	PM
0316-95-0026	HEXP	Amino-2,6-dinitrotoluene[4-]	64.1	MG/KG	PM
0316-95-0026	HEXP	Amino-4,6-dinitrotoluene[2-]	82.7	MG/KG	PM
0316-95-0026	HEXP	Amino-4,6-dinitrotoluene[2-]	82.7	MG/KG	PM
0316-95-0026	HEXP	Dinitrotoluene[2,4-]	0.761	MG/KG	PM
0316-95-0026	HEXP	HMX	378	MG/KG	PM
0316-95-0026	HEXP	HMX	378	MG/KG	PM
0316-95-0026	HEXP	RDX	74.8	MG/KG	PM
0316-95-0026	HEXP	RDX	74.8	MG/KG	PM
0316-95-0026	HEXP	Trinitrobenzene[1,3,5-]	0.129	MG/KG	PM
0316-95-0026	HEXP	Trinitrotoluene[2,4,6-]	16.8	MG/KG	PM
0316-95-0027	HEXP	Amino-2,6-dinitrotoluene[4-]	6.85	MG/KG	PM
0316-95-0027	HEXP	Amino-4,6-dinitrotoluene[2-]	6.55	MG/KG	PM
0316-95-0027	HEXP	Dinitrotoluene[2,4-]	0.122	MG/KG	PM

SAMPLE_ID	METHOD	ANALYTE	RESULT	UNITS	LANL_QUALIFIER
0316-95-0027	HEXP	HMX	1360	MG/KG	PM
0316-95-0027	HEXP	RDX	898	MG/KG	PM
0316-95-0027	HEXP	Trinitrotoluene[2,4,6-]	22.8	MG/KG	PM
0316-95-0028	HEXP	Amino-4,6-dinitrotoluene[2-]	5.26	MG/KG	
0316-95-0028	HEXP	Dinitrotoluene[2,4-]	0.917	MG/KG	PM
0316-95-0028	HEXP	HMX	4860	MG/KG	
0316-95-0028	HEXP	RDX	6830	MG/KG	
0316-95-0028	HEXP	Trinitrobenzene[1,3,5-]	0.488	MG/KG	PM
0316-95-0028	HEXP	Trinitrotoluene[2,4,6-]	1760	MG/KG	
0316-95-0029	HEXP	Amino-2,6-dinitrotoluene[4-]	5.31	MG/KG	PM
0316-95-0029	HEXP	Dinitrotoluene[2,4-]	0.239	MG/KG	PM
0316-95-0029	HEXP	HMX	10600	MG/KG	PM
0316-95-0029	HEXP	Trinitrotoluene[2,4,6-]	15.1	MG/KG	PM
0316-95-0030	HEXP	Amino-2,6-dinitrotoluene[4-]	3.11	MG/KG	PM
0316-95-0030	HEXP	Amino-4,6-dinitrotoluene[2-]	14	MG/KG	PM
0316-95-0030	HEXP	HMX	34800	MG/KG	PM
0316-95-0030	HEXP	RDX	12400	MG/KG	PM
0316-95-0030	HEXP	Trinitrotoluene[2,4,6-]	185	MG/KG	PM
0316-95-0031	HEXP	Amino-2,6-dinitrotoluene[4-]	22.8	MG/KG	PM
0316-95-0031	HEXP	Amino-4,6-dinitrotoluene[2-]	40.2	MG/KG	PM
0316-95-0031	HEXP	HMX	124000	MG/KG	PM
0316-95-0031	HEXP	RDX	21100	MG/KG	PM
0316-95-0031	HEXP	Trinitrotoluene[2,4,6-]	325	MG/KG	PM
0316-95-0032	HEXP	Amino-4,6-dinitrotoluene[2-]	41.4	MG/KG	
0316-95-0032	HEXP	Dinitrotoluene[2,4-]	2.54	MG/KG	PM
0316-95-0032	HEXP	HMX	32900	MG/KG	
0316-95-0032	HEXP	RDX	29600	MG/KG	
0316-95-0032	HEXP	Trinitrotoluene[2,4,6-]	4570	MG/KG	
0316-95-0033	HEXP	Amino-4,6-dinitrotoluene[2-]	28	MG/KG	PM
0316-95-0033	HEXP	HMX	77200	MG/KG	
0316-95-0033	HEXP	RDX	14500	MG/KG	PM
0316-95-0033	HEXP	Trinitrotoluene[2,4,6-]	422	MG/KG	PM

SAMPLE_ID	METHOD	ANALYTE	RESULT	UNITS	LANL_QUALIFIER
0316-95-0034	HEXP	Amino-4,6-dinitrotoluene[2-]	27.8	MG/KG	PM
0316-95-0034	HEXP	HMX	81300	MG/KG	PM
0316-95-0034	HEXP	RDX	10200	MG/KG	PM
0316-95-0034	HEXP	Trinitrotoluene[2,4,6-]	311	MG/KG	PM
0316-95-0035	HEXP	Amino-2,6-dinitrotoluene[4-]	3.51	MG/KG	PM
0316-95-0035	HEXP	Amino-4,6-dinitrotoluene[2-]	25.6	MG/KG	PM
0316-95-0035	HEXP	HMX	33700	MG/KG	PM
0316-95-0035	HEXP	RDX	15500	MG/KG	PM
0316-95-0035	HEXP	Trinitrotoluene[2,4,6-]	240	MG/KG	PM
0316-95-0036	HEXP	Amino-4,6-dinitrotoluene[2-]	59.6	MG/KG	PM
0316-95-0036	HEXP	HMX	137000	MG/KG	PM
0316-95-0036	HEXP	RDX	9060	MG/KG	PM
0316-95-0036	HEXP	Trinitrotoluene[2,4,6-]	402	MG/KG	PM
0316-95-0037	HEXP	Amino-4,6-dinitrotoluene[2-]	35.9	MG/KG	PM
0316-95-0037	HEXP	HMX	54000	MG/KG	PM
0316-95-0037	HEXP	Nitrotoluene[4-]	6.66	MG/KG	PM
0316-95-0037	HEXP	RDX	5290	MG/KG	PM
0316-95-0037	HEXP	Trinitrotoluene[2,4,6-]	181	MG/KG	PM
0316-95-0038	HEXP	Amino-2,6-dinitrotoluene[4-]	34.7	MG/KG	PM
0316-95-0038	HEXP	Amino-4,6-dinitrotoluene[2-]	38.3	MG/KG	PM
0316-95-0038	HEXP	Dinitrotoluene[2,4-]	1.45	MG/KG	PM
0316-95-0038	HEXP	HMX	54700	MG/KG	
0316-95-0038	HEXP	RDX	3500	MG/KG	
0316-95-0038	HEXP	Trinitrotoluene[2,4,6-]	106	MG/KG	PM
0316-95-0039	HEXP	Amino-2,6-dinitrotoluene[4-]	10.1	MG/KG	PM
0316-95-0039	HEXP	Amino-4,6-dinitrotoluene[2-]	11.5	MG/KG	PM
0316-95-0039	HEXP	Dinitrotoluene[2,4-]	0.308	MG/KG	PM
0316-95-0039	HEXP	Dinitrotoluene[2,6-]	0.144	MG/KG	PM
0316-95-0039	HEXP	HMX	2750	MG/KG	
0316-95-0039	HEXP	RDX	1220	MG/KG	
0316-95-0039	HEXP	Trinitrobenzene[1,3,5-]	0.276	MG/KG	PM
0316-95-0039	HEXP	Trinitrotoluene[2,4,6-]	19.8	MG/KG	PM

SAMPLE_ID	METHOD	ANALYTE	RESULT	UNITS	LANL_QUALIFIER
0316-95-0040	HEXP	Amino-2,6-dinitrotoluene[4-]	60.8	MG/KG	PM
0316-95-0040	HEXP	Amino-4,6-dinitrotoluene[2-]	64.4	MG/KG	PM
0316-95-0040	HEXP	Dinitrotoluene[2,4-]	0.88	MG/KG	PM
0316-95-0040	HEXP	HMX	23000	MG/KG	
0316-95-0040	HEXP	RDX	137	MG/KG	PM
0316-95-0040	HEXP	Trinitrotoluene[2,4,6-]	95.2	MG/KG	PM
0316-95-0041	HEXP	Amino-2,6-dinitrotoluene[4-]	10.5	MG/KG	PM
0316-95-0041	HEXP	Amino-4,6-dinitrotoluene[2-]	13.2	MG/KG	PM
0316-95-0041	HEXP	Dinitrotoluene[2,4-]	1.13	MG/KG	PM
0316-95-0041	HEXP	HMX	5200	MG/KG	
0316-95-0041	HEXP	RDX	452	MG/KG	
0316-95-0041	HEXP	Trinitrotoluene[2,4,6-]	19.9	MG/KG	PM
0316-95-0042	HEXP	Amino-2,6-dinitrotoluene[4-]	33	MG/KG	PM
0316-95-0042	HEXP	Amino-4,6-dinitrotoluene[2-]	38.2	MG/KG	PM
0316-95-0042	HEXP	Dinitrotoluene[2,4-]	0.916	MG/KG	PM
0316-95-0042	HEXP	Dinitrotoluene[2,6-]	0.537	MG/KG	PM
0316-95-0042	HEXP	HMX	20300	MG/KG	
0316-95-0042	HEXP	RDX	611	MG/KG	
0316-95-0042	HEXP	Trinitrobenzene[1,3,5-]	0.735	MG/KG	PM
0316-95-0042	HEXP	Trinitrotoluene[2,4,6-]	44.3	MG/KG	PM
0316-95-0043	HEXP	Amino-2,6-dinitrotoluene[4-]	27.3	MG/KG	PM
0316-95-0043	HEXP	Amino-4,6-dinitrotoluene[2-]	33.1	MG/KG	PM
0316-95-0043	HEXP	Dinitrotoluene[2,4-]	0.877	MG/KG	PM
0316-95-0043	HEXP	HMX	12500	MG/KG	
0316-95-0043	HEXP	RDX	302	MG/KG	PM
0316-95-0043	HEXP	Trinitrotoluene[2,4,6-]	14.3	MG/KG	PM
0316-95-2012	HEXP	Amino-4,6-dinitrotoluene[2-]	17.2	MG/KG	PM
0316-95-2012	HEXP	HMX	43100	MG/KG	
0316-95-2012	HEXP	RDX	18800	MG/KG	PM
0316-95-2012	HEXP	Trinitrotoluene[2,4,6-]	255	MG/KG	PM
0316-95-2013	HEXP	Dinitrobenzene[1,3-]	29	MG/KG	PM
0316-95-2013	HEXP	HMX	102000	MG/KG	PM

SAMPLE_ID	METHOD	ANALYTE	RESULT	UNITS	LANL_QUALIFIER
0316-95-2013	HEXP	RDX	23500	MG/KG	PM
0316-95-2013	HEXP	Trinitrotoluene[2,4,6-]	370	MG/KG	PM
0316-97-0388	HEXP	HMX	15000	MG/KG	
0316-97-0389	HEXP	HMX	12000	MG/KG	
0316-95-0013	METTALCN	Barium	583	MG/KG	J+
0316-95-0014	METTALCN	Barium	498	MG/KG	J+
0316-95-0014	METTALCN	Manganese	1380	MG/KG	P
0316-95-0015	METTALCN	Barium	1170	MG/KG	J+
0316-95-0015	METTALCN	Silver	0.84	MG/KG	
0316-95-0016	METTALCN	Barium	693	MG/KG	J+
0316-95-0017	METTALCN	Barium	7500	MG/KG	J+
0316-95-0018	METTALCN	Barium	12100	MG/KG	J+
0316-95-0019	METTALCN	Barium	7750	MG/KG	J+
0316-95-0019	METTALCN	Lead	30.3	MG/KG	P
0316-95-0021	METTALCN	Barium	3790	MG/KG	J+
0316-95-0022	METTALCN	Barium	20200	MG/KG	J+
0316-95-0022	METTALCN	Copper	16.1	MG/KG	
0316-95-0022	METTALCN	Lead	39.4	MG/KG	P
0316-95-0022	METTALCN	Silver	1.2	MG/KG	
0316-95-0022	METTALCN	Zinc	62.2	MG/KG	
0316-95-0023	METTALCN	Barium	619	MG/KG	J-
0316-95-0023	METTALCN	Barium	619	MG/KG	P
0316-95-0023	METTALCN	Manganese	910	MG/KG	
0316-95-0024	METTALCN	Barium	412	MG/KG	J-
0316-95-0024	METTALCN	Barium	412	MG/KG	P
0316-95-0025	METTALCN	Barium	3000	MG/KG	J-
0316-95-0025	METTALCN	Barium	3000	MG/KG	P
0316-95-0025	METTALCN	Manganese	776	MG/KG	
0316-95-0026	METTALCN	Barium	29500	MG/KG	J-
0316-95-0026	METTALCN	Barium	29500	MG/KG	P
0316-95-0027	METTALCN	Barium	5270	MG/KG	
0316-95-0028	METTALCN	Barium	18200	MG/KG	

SAMPLE_ID	METHOD	ANALYTE	RESULT	UNITS	LANL_QUALIFIER
0316-95-0028	METTALCN	Chromium, Total	26.8	MG/KG	P
0316-95-0028	METTALCN	Copper	40.5	MG/KG	
0316-95-0028	METTALCN	Lead	107	MG/KG	
0316-95-0028	METTALCN	Nickel	37.3	MG/KG	
0316-95-0028	METTALCN	Vanadium	55.7	MG/KG	
0316-95-0028	METTALCN	Zinc	226	MG/KG	
0316-95-0029	METTALCN	Barium	2730	MG/KG	P
0316-95-0029	METTALCN	Lead	27.2	MG/KG	
0316-95-0029	METTALCN	Zinc	86.1	MG/KG	J+
0316-95-0029	METTALCN	Zinc	86.1	MG/KG	P
0316-95-0030	METTALCN	Barium	12700	MG/KG	P
0316-95-0030	METTALCN	Copper	19.9	MG/KG	P
0316-95-0030	METTALCN	Lead	36.7	MG/KG	
0316-95-0030	METTALCN	Zinc	104	MG/KG	J+
0316-95-0030	METTALCN	Zinc	104	MG/KG	P
0316-95-0031	METTALCN	Barium	14600	MG/KG	P
0316-95-0031	METTALCN	Copper	25.2	MG/KG	P
0316-95-0031	METTALCN	Lead	43.1	MG/KG	
0316-95-0031	METTALCN	Zinc	116	MG/KG	J+
0316-95-0031	METTALCN	Zinc	116	MG/KG	P
0316-95-0032	METTALCN	Barium	8310	MG/KG	
0316-95-0032	METTALCN	Zinc	85.2	MG/KG	
0316-95-0033	METTALCN	Barium	19000	MG/KG	P
0316-95-0033	METTALCN	Copper	35.9	MG/KG	P
0316-95-0033	METTALCN	Lead	58	MG/KG	
0316-95-0033	METTALCN	Zinc	150	MG/KG	J+
0316-95-0033	METTALCN	Zinc	150	MG/KG	P
0316-95-0034	METTALCN	Barium	11100	MG/KG	P
0316-95-0034	METTALCN	Copper	17.5	MG/KG	P
0316-95-0034	METTALCN	Lead	35.5	MG/KG	
0316-95-0034	METTALCN	Zinc	76.8	MG/KG	J+
0316-95-0034	METTALCN	Zinc	76.8	MG/KG	P

SAMPLE_ID	METHOD	ANALYTE	RESULT	UNITS	LANL_QUALIFIER
0316-95-0035	METTALCN	Barium	21100	MG/KG	P
0316-95-0035	METTALCN	Copper	31.8	MG/KG	P
0316-95-0035	METTALCN	Lead	57.8	MG/KG	
0316-95-0035	METTALCN	Mercury	0.08	MG/KG	
0316-95-0035	METTALCN	Nickel	51.9	MG/KG	
0316-95-0035	METTALCN	Silver	1.1	MG/KG	
0316-95-0035	METTALCN	Vanadium	48.8	MG/KG	
0316-95-0035	METTALCN	Zinc	152	MG/KG	J+
0316-95-0035	METTALCN	Zinc	152	MG/KG	P
0316-95-0036	METTALCN	Barium	26100	MG/KG	P
0316-95-0036	METTALCN	Cadmium	2.9	MG/KG	
0316-95-0036	METTALCN	Copper	38.5	MG/KG	P
0316-95-0036	METTALCN	Lead	47.3	MG/KG	
0316-95-0036	METTALCN	Nickel	16.3	MG/KG	
0316-95-0036	METTALCN	Vanadium	42.5	MG/KG	
0316-95-0036	METTALCN	Zinc	151	MG/KG	J+
0316-95-0036	METTALCN	Zinc	151	MG/KG	P
0316-95-0037	METTALCN	Barium	26900	MG/KG	P
0316-95-0037	METTALCN	Copper	31.3	MG/KG	P
0316-95-0037	METTALCN	Lead	46.5	MG/KG	
0316-95-0037	METTALCN	Nickel	30.1	MG/KG	
0316-95-0037	METTALCN	Silver	1.6	MG/KG	
0316-95-0037	METTALCN	Zinc	133	MG/KG	J+
0316-95-0037	METTALCN	Zinc	133	MG/KG	P
0316-95-0038	METTALCN	Barium	24300	MG/KG	
0316-95-0038	METTALCN	Copper	26.8	MG/KG	
0316-95-0038	METTALCN	Lead	46.3	MG/KG	
0316-95-0038	METTALCN	Nickel	25.9	MG/KG	
0316-95-0038	METTALCN	Silver	4.1	MG/KG	
0316-95-0038	METTALCN	Vanadium	48	MG/KG	
0316-95-0038	METTALCN	Zinc	139	MG/KG	
0316-95-0039	METTALCN	Barium	8550	MG/KG	

SAMPLE_ID	METHOD	ANALYTE	RESULT	UNITS	LANL_QUALIFIER
0316-95-0039	METTALCN	Lead	38.8	MG/KG	
0316-95-0039	METTALCN	Nickel	31.9	MG/KG	
0316-95-0039	METTALCN	Silver	1.3	MG/KG	
0316-95-0039	METTALCN	Vanadium	42	MG/KG	
0316-95-0039	METTALCN	Zinc	68.2	MG/KG	
0316-95-0040	METTALCN	Barium	33300	MG/KG	
0316-95-0040	METTALCN	Copper	17.5	MG/KG	
0316-95-0040	METTALCN	Nickel	21.3	MG/KG	
0316-95-0040	METTALCN	Silver	0.95	MG/KG	
0316-95-0040	METTALCN	Zinc	76	MG/KG	
0316-95-0041	METTALCN	Barium	7140	MG/KG	
0316-95-0042	METTALCN	Barium	20600	MG/KG	
0316-95-0042	METTALCN	Lead	33.8	MG/KG	
0316-95-0042	METTALCN	Nickel	20.1	MG/KG	
0316-95-0042	METTALCN	Zinc	62.6	MG/KG	
0316-95-0043	METTALCN	Barium	6230	MG/KG	
0316-95-0121	METTALCN	Lead	33.5	MG/KG	P
0316-95-0121	METTALCN	Zinc	148	MG/KG	P
0316-95-0121	METTALCN	Zinc	148	MG/KG	J-
0316-95-2012	METTALCN	Barium	12100	MG/KG	P
0316-95-2012	METTALCN	Copper	17.8	MG/KG	P
0316-95-2012	METTALCN	Lead	38.6	MG/KG	
0316-95-2012	METTALCN	Zinc	100	MG/KG	J+
0316-95-2012	METTALCN	Zinc	100	MG/KG	P
0316-95-2013	METTALCN	Barium	13800	MG/KG	P
0316-95-2013	METTALCN	Copper	20.1	MG/KG	P
0316-95-2013	METTALCN	Lead	41.2	MG/KG	
0316-95-2013	METTALCN	Zinc	112	MG/KG	J+
0316-95-2013	METTALCN	Zinc	112	MG/KG	P
0316-95-0016	SEMI	Benzoic Acid	0.08	MG/KG	
0316-95-0017	SEMI	Dinitrotoluene[2,4-]	0.1	MG/KG	
0316-95-0018	SEMI	Benzoic Acid	0.13	MG/KG	

SAMPLE_ID	METHOD	ANALYTE	RESULT	UNITS	LANL_QUALIFIER
0316-95-0018	SEMI	Dinitrotoluene[2,4-]	0.31	MG/KG	
0316-95-0021	SEMI	Dinitrotoluene[2,4-]	0.5	MG/KG	
0316-95-0021	SEMI	Nitrosodimethylamine[N-]	0.39	MG/KG	
0316-95-0022	SEMI	Benzoic Acid	0.43	MG/KG	
0316-95-0022	SEMI	Dinitrotoluene[2,4-]	2.6	MG/KG	
0316-95-0023	SEMI	Benzoic Acid	0.12	MG/KG	
0316-95-0024	SEMI	Benzoic Acid	0.07	MG/KG	PM
0316-95-0024	SEMI	Bis(2-ethylhexyl)phthalate	0.16	MG/KG	PM
0316-95-0025	SEMI	Dinitrotoluene[2,4-]	0.094	MG/KG	
0316-95-0026	SEMI	Benzoic Acid	0.12	MG/KG	
0316-95-0026	SEMI	Dinitrotoluene[2,6-]	0.084	MG/KG	
0316-95-0027	SEMI	Bis(2-ethylhexyl)phthalate	0.41	MG/KG	
0316-95-0027	SEMI	Dinitrotoluene[2,4-]	0.048	MG/KG	
0316-95-0028	SEMI	Bis(2-ethylhexyl)phthalate	4	MG/KG	
0316-95-0029	SEMI	Bis(2-ethylhexyl)phthalate	2.2	MG/KG	
0316-95-0030	SEMI	Bis(2-ethylhexyl)phthalate	9.3	MG/KG	
0316-95-0031	SEMI	Anthracene	3.3	MG/KG	
0316-95-0031	SEMI	Bis(2-ethylhexyl)phthalate	45	MG/KG	
0316-95-0031	SEMI	Hexachlorocyclopentadiene	9.6	MG/KG	
0316-95-0032	SEMI	Bis(2-ethylhexyl)phthalate	16	MG/KG	
0316-95-0032	SEMI	Dinitrotoluene[2,4-]	0.61	MG/KG	
0316-95-0032	SEMI	Phenanthrene	4.6	MG/KG	
0316-95-0033	SEMI	Anthracene	6.9	MG/KG	
0316-95-0033	SEMI	Anthracene	6.1	MG/KG	
0316-95-0033	SEMI	Bis(2-ethylhexyl)phthalate	52	MG/KG	
0316-95-0033	SEMI	Bis(2-ethylhexyl)phthalate	48	MG/KG	
0316-95-0034	SEMI	Anthracene	0.95	MG/KG	
0316-95-0034	SEMI	Dichlorobenzene[1,2-]	9.2	MG/KG	
0316-95-0035	SEMI	Anthracene	1	MG/KG	
0316-95-0035	SEMI	Anthracene	1.1	MG/KG	
0316-95-0037	SEMI	Anthracene	0.87	MG/KG	
0316-95-0037	SEMI	Dinitrotoluene[2,4-]	0.79	MG/KG	

SAMPLE_ID	METHOD	ANALYTE	RESULT	UNITS	LANL_QUALIFIER
0316-95-0038	SEMI	Bis(2-ethylhexyl)phthalate	4.8	MG/KG	
0316-95-0038	SEMI	Dinitrotoluene[2,4-]	0.79	MG/KG	
0316-95-0038	SEMI	Dinitrotoluene[2,6-]	0.34	MG/KG	
0316-95-0038	SEMI	Nitrosodiphenylamine[N-]	0.057	MG/KG	
0316-95-0038	SEMI	Phenanthrene	0.23	MG/KG	
0316-95-0038	SEMI	Pyrene	0.071	MG/KG	
0316-95-0039	SEMI	Bis(2-ethylhexyl)phthalate	0.59	MG/KG	
0316-95-0039	SEMI	Dinitrotoluene[2,4-]	0.2	MG/KG	
0316-95-0040	SEMI	Bis(2-ethylhexyl)phthalate	1.4	MG/KG	
0316-95-0040	SEMI	Dinitrotoluene[2,4-]	0.5	MG/KG	
0316-95-0040	SEMI	Dinitrotoluene[2,6-]	0.2	MG/KG	
0316-95-0041	SEMI	Bis(2-ethylhexyl)phthalate	0.77	MG/KG	
0316-95-0041	SEMI	Dinitrotoluene[2,4-]	0.28	MG/KG	
0316-95-0041	SEMI	Dinitrotoluene[2,6-]	0.089	MG/KG	
0316-95-0041	SEMI	Phenanthrene	0.052	MG/KG	
0316-95-0042	SEMI	Bis(2-ethylhexyl)phthalate	0.86	MG/KG	
0316-95-0042	SEMI	Dinitrotoluene[2,4-]	0.33	MG/KG	
0316-95-0042	SEMI	Dinitrotoluene[2,6-]	0.1	MG/KG	
0316-95-0043	SEMI	Bis(2-ethylhexyl)phthalate	0.45	MG/KG	
0316-95-0043	SEMI	Dinitrotoluene[2,4-]	0.28	MG/KG	
0316-95-0043	SEMI	Dinitrotoluene[2,6-]	0.053	MG/KG	
0316-95-0121	SEMI	Acenaphthene	0.12	MG/KG	
0316-95-0121	SEMI	Anthracene	0.19	MG/KG	
0316-95-0121	SEMI	Benzo(a)anthracene	0.57	MG/KG	
0316-95-0121	SEMI	Benzo(a)pyrene	0.62	MG/KG	
0316-95-0121	SEMI	Benzo(b)fluoranthene	0.89	MG/KG	
0316-95-0121	SEMI	Benzo(g,h,i)perylene	0.28	MG/KG	
0316-95-0121	SEMI	Benzo(k)fluoranthene	0.38	MG/KG	
0316-95-0121	SEMI	Chrysene	0.75	MG/KG	
0316-95-0121	SEMI	Dibenz(a,h)anthracene	0.079	MG/KG	
0316-95-0121	SEMI	Dibenzofuran	0.043	MG/KG	
0316-95-0121	SEMI	Fluoranthene	1.6	MG/KG	

SAMPLE_ID	METHOD	ANALYTE	RESULT	UNITS	LANL_QUALIFIER
0316-95-0121	SEMI	Fluorene	0.11	MG/KG	
0316-95-0121	SEMI	Indeno(1,2,3-cd)pyrene	0.31	MG/KG	
0316-95-0121	SEMI	Naphthalene	0.05	MG/KG	
0316-95-0121	SEMI	Phenanthrene	1.1	MG/KG	
0316-95-0121	SEMI	Pyrene	1.5	MG/KG	
0316-95-2012	SEMI	Anthracene	1.9	MG/KG	
0316-95-2013	SEMI	Anthracene	6.2	MG/KG	
0316-95-2013	SEMI	Bis(2-ethylhexyl)phthalate	57	MG/KG	
0316-97-0388	SEMI	Bis(2-ethylhexyl)phthalate	0.37	MG/KG	
0316-97-0389	SEMI	Bis(2-ethylhexyl)phthalate	0.4	MG/KG	
0316-95-0031	TU	Uranium	5.77	MG/KG	
0316-95-0034	TU	Uranium	6.98	MG/KG	
0316-95-0035	TU	Uranium	6.39	MG/KG	
0316-95-0036	TU	Uranium	6.43	MG/KG	
0316-95-0037	TU	Uranium	8.71	MG/KG	
0316-95-0040	TU	Uranium	6.69	MG/KG	
0316-97-0389	VOAGCMS	Acetone	0.017	MG/KG	J
0316-97-0389	VOAGCMS	Acetone	0.017	MG/KG	PM

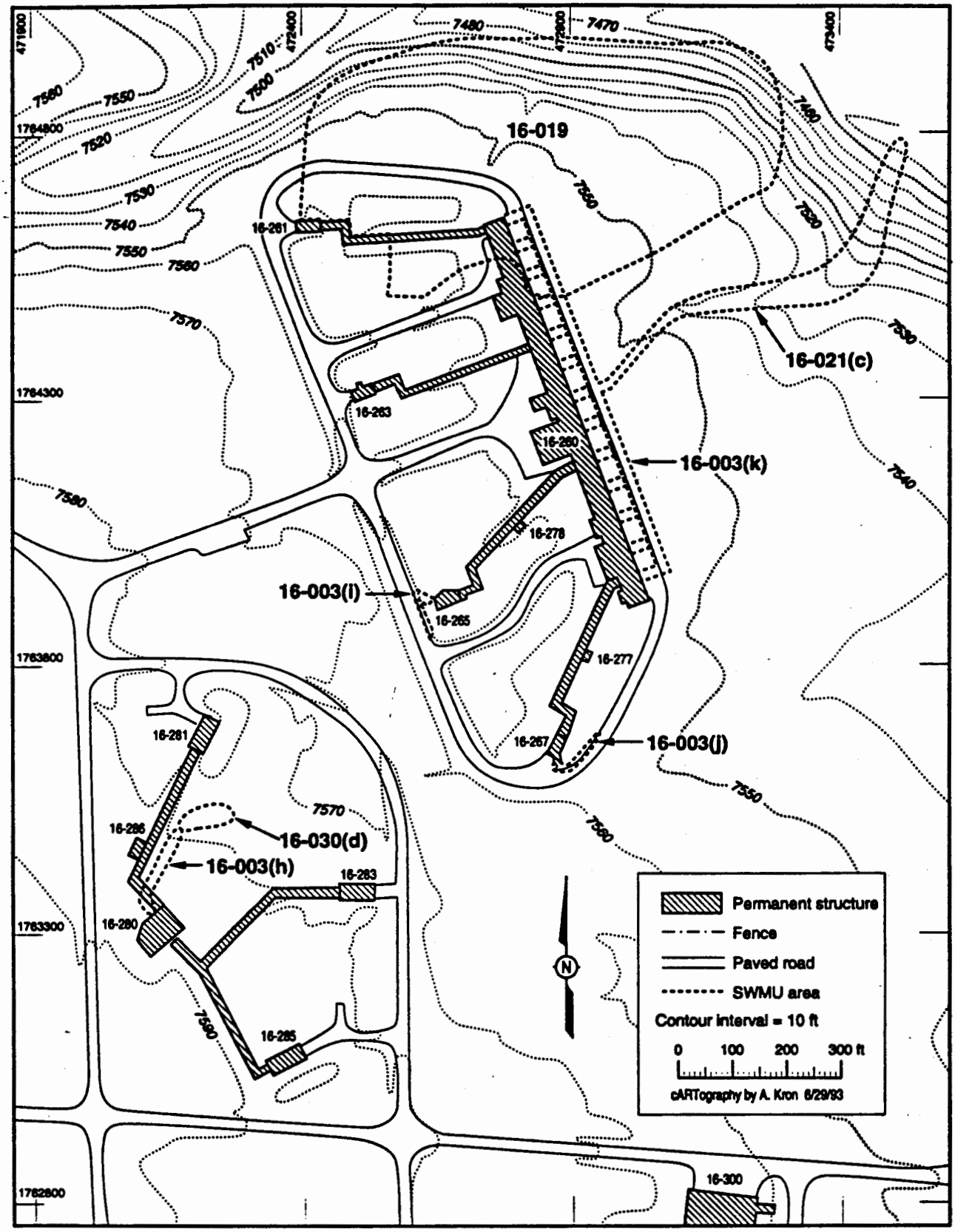


Fig. 5-6. TA-16-260 and TA-16-280 groups.

APPENDIX C. RESULTS OF QUALITY ASSURANCE/QUALITY CONTROL ACTIVITIES

C-1.0 SUMMARY

A total of 282 fixed laboratory samples in 209 request numbers were analyzed for the assessment of SWMU 16-021(c). All analytical samples were sent to either off-site or on-site fixed analytical laboratories for analysis.

Five field QC samples were also analyzed in association with these fixed laboratory samples. The types of field QC samples used included co-located samples and field duplicates. Laboratory QC samples associated with these analytical samples include laboratory control samples (LCS), blanks, duplicates, matrix spikes, matrix spike duplicates, tracers, and blind QC samples sent along with the analytical samples. Definitions for the various types of QC samples can be found in Appendix A of this document. All samples discussed in this document were collected and analyzed during the time period of 1994-1998 and therefore QA/QC activities performed by external fixed laboratories were covered by the ER Project Statement of Work for analytical services for that period (LANL 1995, 49738).

Except for the following deviations, the requirements of the RFI Report for PRS 16-021(c) and the TA-16-260 Outfall Drainage at PRS 16-021(c) Phase II Drilling and Sample Plan were followed. In order to provide a quantitative profile of the HE contamination, each five-foot interval was screened with immunoassay screening methods regardless of HE spot testing results. Beginning with borehole16-2735, in addition to the RDX sensitive immunoassay field screening, samples were also screened with a TNT sensitive immunoassay screening method. Field screening with a TNT sensitive immunoassay screening method was added when TNT was detected in the boreholes drilled in 1996. DTech RDX and TNT Explosive test kits were used to perform the immunoassay screening. Daily QA/QC on the DTech Explosive Test Kits consisted of one analysis for RDX and TNT each with RDX and TNT spiked PE samples. The minimum detection limit of the DTech Explosive Test Kits for RDX and TNT in soil is 0.5ppm and 5.0ppb in water. To verify DTech results, additional laboratory samples were submitted on ten-foot intervals when DTech field screening indicated the presence of TNT or RDX.

Due to the requirement of the facility to use drilling water to cool the drill string, detection of *in situ* moisture was difficult. Therefore, field and laboratory geotechnical parameter characterization and field screening for VOCs were not performed. The VOC aliquot was the only aliquot filled in the field, sufficient material to fill the remaining aliquots was placed in labeled resealable plastic bags and stored in a cooler. Following completion of field immunoassay screening, the remaining aliquots were filled as specified in the SAP. Container labels and Chain of Custody forms were generated at this time.

Field screening for HE was performed on the deepest one-foot segment of each five-foot core interval, and on the surface and subsurface transect samples. HE field screening consisted of the HE spot test, performed at the drill site immediately following collection, and RDX and TNT sensitive immunoassay performed on multiple samples in the lab trailer located near former building TA-16-027. In addition to HE field screening, the surface and subsurface transect samples were also field screened for VOCs with a PID.

The analytical samples were analyzed for sub sets of the following analytical suites: radiologicals, total uranium, inorganics, VOCs, SVOCs, water quality factors, anions, and HE. The target analytes in each of

these suites can be found in Appendix I along with the appropriate detection limits for each analyte. Sample matrices included soil, sludge, and water. Sample preservation techniques and holding time requirements are listed in LANL-ER SOP-1.02 and these guidelines were followed for these samples. However, many samples exceeded their holding times and the data were rejected or qualified as a result. These samples are discussed in more detail in the sections below. Table C-1.0-1 lists the analytical suite and method (including preparation method) as well as a brief description of the analytical method. Detection limits and a list of target analytes for the suites described above are included in Appendix I-1.0.

Table C-1.0-1
Analytical Methods and Descriptions

Analytical Suite	Method	Method Description
VOCs	SW-846 Method 8260	Gas chromatography with mass spectroscopy
SVOCs	SW-846 Method 8270	Gas chromatography with mass spectroscopy
Radiologicals (Am-241, Cs-137, Ce-144, C0-57, Co-60, I-129, K-40, Na-232, Eu-152, Ru-106, Np-237)	EPA Method 901.1	Gamma spectrometry
HE (HMX, RDX, 1,3,5-TNB, 1,3-DNB, Tetryl, NB, 2,4,6-TNT, 4-ADNT, 2-ADNT, 2,6-NT, 2,4-NT, 2-NT, 3-NT, 4-NT)	SW-846 Method 8330	High pressure liquid chromatography
Nitrogen as nitrate and nitrite	EPA Method 353.1	Automated hydrazine reduction
Water quality parameters	EPA Method 300	Ion chromatography
Target Analyte List (TAL) metals	SW-846 Method 3005A/3050A/3051/ 6010A	Inductively coupled plasma emission spectroscopy
Antimony	SW-846 Method 3020A/ 7041	Graphite furnace atomic absorption spectroscopy
Lead	SW-846 Method 7421	Graphite furnace atomic absorption spectroscopy
Mercury	SW-846 Method 7470/7471	Cold vaporization atomic absorption
Cyanide	SW-846 Method 9010A	Manual Colorimetric Determination
Selenium	SW-846 Method 7740	Graphite furnace atomic absorption spectroscopy
Thallium	SW-846 Method 7841	Graphite furnace atomic absorption spectroscopy
Uranium	SW-846 Method 3051/6020	Inductively coupled plasma mass spectroscopy
Total uranium	SW-846 Method 3052/ ASTM method D5174-91	Kinetic phosphorescence
Isotopic Uranium	NA[a]	Alpha spectroscopy

[a] Not applicable.

All data used for decision-making purposes in this report have received baseline validation and, where applicable, qualifiers have been applied to the data. Some data were rejected during baseline data validation and these data are not used for decision-making purposes in this report. The most common cause for rejected data was exceeded holding times. Despite qualifiers applied to non-rejected data, the qualified and unqualified data are all useable for decision-making purposes. The most commonly applied baseline validation qualifier is "J," which indicates that the data should be considered estimated due to a problem during analysis. These types of problems are not significant enough to cause data rejection. The data are still considered useable. The estimated nature of the value is taken into account when a full data set is used to assess a PRS. Some data never received baseline validation and are qualified "nv." These data include boron, silicon, water quality parameters, nitrate, nitrite, and others. The full data set, along with a detailed description of the qualifications applied to the data and the impact of the qualification on the data, are described on a PRS-specific basis in the Data Quality Assessment section. Section C-5.0 tabulates and describes all samples with qualified data. Definitions of the qualifier flags used during routine data validation can be found in Appendix A.

Table C-1.0-2 lists the field QA/QC samples collected during the investigation of this site as well as the RFI sample which the QA/QC sample duplicates.

Table C-1.0-2
Field QA/QC Samples Collected at TA-16-260

QA/QC sample	RFI sample	Location ID	Sample type
0816-96-0079	0816-96-0078	16-2767	Field duplicate
0816-96-0103	0816-96-0102	16-2768	Field duplicate
0316-95-2015	0316-95-0044	16-1379	Field duplicate
0316-95-2012	0316-95-0030	16-3282	Co-located sample
0316-95-2013	0316-95-0031	16-1383	Co-located sample

Field duplicate samples check for consistency and precision in the analytical methods. Co-located samples also can monitor the precision of the methods but they also give an indication of the homogeneity of the site. Sample 0816-96-0103 is a water sample and shows very good correlation with the original RFI sample, less than 25% variation for a given analyte, with the exception of one HE compound that varied by 50%. Sample 0816-96-0079 is a soil sample, which is likely to have more heterogeneity associated with it. The differences between the duplicate and original sample were generally less that 25% although some compounds showed variations of up to 50% for inorganic and organic analytes. The HE replicate analyses were particularly poor, with variations of 50% to 100%, and some detected compounds in the original sample were not detected in the duplicate sample. This indicates that soil heterogeneity may contribute to some uncertainty in the HE analytical results. Samples 0316-95-2015, 2012, 2013 had similar problems with HE results varying from 50%-100% and in several cases, the duplicate and original samples varied by over 100%. The inorganic results for samples 0316-95-2012, -2013, and –2015 were generally in agreement with variation between the sample and duplicate of less than 25%.

No rejected data was used for decision-making purposes in this report.

C-2.0 INORGANIC ANALYSES

C-2.1 Field Analyses

No samples were analyzed in the field for inorganic compounds.

C-2.2 Fixed Laboratory Analyses

Inorganic analysis for TAL metals was conducted on 272 samples. The methods used on these samples included: ICPES, CVAA, and GFAA. The sample preparation method for these analyses was acid digestion with and without microwave heating (see Table C-1.0-1). Several inorganic analytes (antimony, cadmium, mercury, selenium, silver, and thallium) had estimated detection limits (EDLs) greater than the BVs for soil and/or tuff. The EDLs for the inorganics did not exceed the contract required detection limits (see Appendix D-1.0).

One common qualifier applied to inorganic data during baseline validation is the A qualifier. This qualifier indicates an advisory warning from the validation chemist to the data user. It is almost exclusively applied when the QC sample used for the duplicate and/or matrix spike analysis originates in a different request number. As a cost-saving measure, analytical laboratories are permitted to batch samples from different request numbers. Due to this batching, the QC sample for the batch may not be the sample in your request. Baseline validation cannot determine if this QC sample is acceptable for the end use of the data. Focussed validation in these cases usually determines that the QC sample is acceptable. In most cases the QC sample came from a different location at TA-16-260 and in all cases that could be determined, the QC sample originated at TA-16. In some cases, insufficient information was present in the raw data package to accurately identify the origin of the QC sample although according to contractual requirements it was always a LANL soil sample. In these cases, the QC sample was assumed to be acceptable. Batching did not affect the quality of this data set. In all cases, the A-qualifier was replaced with a focussed validation qualifier reflecting the effect of the QC sample results on the data set.

Another common qualifier applied to inorganic data is the J-qualifier. This qualifier was applied during focussed validation to inorganic results that received a B-qualifier by the analytical laboratory. The B-qualifier indicates that the reported value is below the estimated detection limit but above the instrument detection limit. In many cases, this means that the analyte should be considered detected although the value is so close to the detection limit that the analytical result could have error associated with it. Therefore all these qualifiers were replaced with J-qualifiers. In some cases where the estimated quantitation limit and the instrument detection limit are far apart, it may be more appropriate to remove the J-qualifier because there is less error associated with a value if it is farther from the instrument detection limit. This may be done in a limited number of cases for analytes important for decision-making purposes. Because of the number of B-qualified analytes, the J-qualifier was broadly applied unless further focussed validation indicated that a J qualifier was not necessary.

Several different inorganic compounds were occasionally found in the laboratory blank sample. This indicates that inorganic contamination of the sample might have occurred. In all cases, the amount of the inorganic analyte in the sample was less than 5 times the amount of the inorganic analyte in the blank. In all cases, the amount of inorganic analyte in the sample was attributed to laboratory contamination of the sample and the result was qualified as undetected. (EPA 1994, 48639, p. 17)

Failure to meet holding times is not generally a problem for inorganic analyses because the holding time for most inorganic analytes is 180 days. However, mercury has a holding time of 28 days. Mercury results were rejected in one request number for grossly exceeding holding times. These data were not used for this purposes of this report.

Metals analyses had occasional data quality issues, usually associated with high or low spike recovery or poor duplicate results. Spike results indicate how well the analytical procedure can recover and quantify an analyte in a sample. Spike recovery is considered low if it is below 75% of the known value and it is low enough to cause data rejection if recovery is below 30%. When the spike recovery result is low, data may be qualified with a low bias or rejected. If the known spike amount cannot be quantitatively recovered, any amount in the sample is assumed to be affected similarly. Duplicate analyses give an estimate of the precision of an analytical technique. Duplicate and matrix spike issues were only severe enough to warrant rejection of data in six request numbers and chromium, cyanide, antimony, silver, manganese, and mercury results were rejected. Most cases resulted in qualification of some inorganic analytes affected by the QA problem. In addition to the six elements listed above, spike recoveries were also low for arsenic and selenium and these results were qualified as UJ. It is not uncommon for these analytes to have low spike recoveries due to their chemical nature. Poor duplicate results are considered to be differences between the sample and duplicate that vary more than 35%, which takes into account natural heterogeneity of LANL samples (EPA 1994, 48639, p.25). Analytes which differ by more than 35% are qualified as estimated. Poor duplicate results were spread relatively evenly among analytes, indicating no trend in the precision of the analytical method.

All non-rejected inorganic data is useable for the purposes of this report. Poor spike recovery and holding time issues most severely affected inorganic results and caused some rejection of data. No other significant issues affected inorganic data.

C-3.0 RADIOCHEMICAL ANALYSES

C-3.1 Field Analyses

No samples were analyzed in the field for radiochemicals, although all samples undergo routine health and safety radiological screening.

C-3.2 Fixed Laboratory Analyses

A total of 64 samples were analyzed for uranium (total and partial), 2 samples for isotopic uranium, and 31 samples were analyzed for a full suite of radionuclides, including some isotopes of uranium, using gamma spectroscopy. The results for radionuclides detected by gamma spectroscopy were generally acceptable, although the detection limit for Americium-241 was elevated in the results associated with one request number. Americium-241 is not expected to be a contaminant at this site so there is no effect on the data use.

Any given radiological analyte was determined to be present or absent prior to comparison of the result to background values and/or SALs. For data obtained in 1994, the detection status of a given analyte was determined by comparison to three times the analytical uncertainty associated with that analyte. The

sample results for uranium were considered detected or undetected based on analytical laboratory qualifier codes.

Even if an analyte was determined to have been detected, it could be eliminated from the data set. According to the LANL ER SOP for Evaluation of Gamma Spectrometry Data, (LANL ER-SOP-15.11, Rev. 0), radionuclides can be eliminated from consideration if they are radiological quality control indicators, associated with fallout (for surface samples below fallout concentrations), naturally occurring radionuclides, or radionuclides with half-lives of less than one year. This SOP was applied for limiting analytes in the radionuclide data set.

One analysis of 23 samples for total uranium was conducted by KPA, which tends to bias the data in the low direction. The bias can be as large as a factor of two to four. Results obtained with KPA should be considered estimated and possibly biased in the low direction. The remaining 41 samples for uranium analysis were conducted with ICP-MS which provides results without the problems associated with KPA.

The 41 samples that were analyzed by ICP-MS were prepared for analysis using digestion method 3051. Only one analytical request number explicitly stated that this method was used for the digestion method and this method was assumed to be the method for the remaining samples, analyzed at the same laboratory by the same method in a similar time period for most samples. This digestion method is sometimes used prior to inorganic analysis of samples by ICP-MS and is sometimes called a soft digestion. It involves the use of nitric acid assisted by microwave heating to release the inorganic compounds in the sample. This method can be contrasted with digestion method SW-846 Method 3052, which was the preparation method used for the 23 samples analyzed for total uranium using KPA. This method is often called a total digestion or hard digestion because it involves the use of nitric acid and hydrofluoric acid, with the option of using other acids. This digestion method extracts more inorganic compounds from the sample matrix than digestion by Method 3051 will. Therefore, the results from uranium samples prepared with a total digestion are compared with a total background level. For the uranium results obtained from samples prepared with Method 3051, a background level from a partial digestion is used.

The one radionuclide analysis of two samples for isotopic uranium did not have the full complement of conventional QA/QC results because of insufficient sample material. These results were accepted based on the available QA/QC results which were in control and analytical laboratory qualifiers which indicated no outstanding problems.

C-4.0 ORGANIC ANALYSES

C-4.1 Field Analyses

A total of 207 sub-surface screening samples were collected; field screening of these samples for HE contamination consisted of the HE spot test kit and an RDX and TNT sensitive immunoassay. DTech RDX and TNT Explosive test kits were used to perform the immunoassay screening. The minimum detection limit of the DTech Explosive Test Kits for RDX and TNT in soil is 0.5ppm and 5.0ppb in water, below the human health screening action level for HE in soil and water. Daily QA/QC procedures were performed on the DTech Explosive Test Kits with RDX and TNT spiked PE samples. Environmental Resources Associates prepared the PE soil samples, the two aliquots were identified as Lot # 0811-97-05 and # 420-95-04 at 4.8ppm RDX and TNT. Additional laboratory samples were submitted on ten-foot intervals when DTech field screening indicated the presence of TNT or RDX (see Appendix E for details of field

screening). The reported minimum detection limit of the HE spot test is 100ppm, well above some screening action levels for HE.

HE field screening conformed to LANL ER-SOP 10.06, High Explosives Spot Test and the manufacturer's published Instruction Guide for the DTech Explosive Test Kits that correlates to EPA SW-8476 Method 4050 for TNT and to EPA SW-8476 Method 4051 for RDX. No LANL ER-SOP is currently established for RDX and TNT sensitive immunoassay screening.

Field screening for VOCs was performed with a PID and limited to health and safety purposes only. Screening with a PID was not used outside of PRS 16-021(c) or when drilling water was required.

C-4.2 Fixed Laboratory Analyses

A common and minor data quality issue for organic analyses is the problem of laboratory contamination of samples. Common laboratory chemicals such as acetone and methylene chloride and phthalates such as bis (2-ethylhexyl) phthalate commonly found in man-made materials frequently contaminate analytical samples (Smith 1997, 58478, pp. 157-158). This contamination is detected by the presence of these contaminants in the laboratory blank sample. When a common contaminant is detected in the blank and the sample, an amount in the sample equal to 10x the level found in the blank is assumed to be attributable to laboratory contamination (EPA 1994, 58690, p. 21). If the amount of chemical found in the sample is greater than 10x the amount found in the blank, it is assumed that the compound is actually present in the sample due to environmental contamination, not due to laboratory contamination. It is possible for these common chemicals to contaminate analytical samples without being present in the laboratory blank sample. However, this type of contamination cannot be detected and quantified using standard QA/QC techniques but must be identified by examining the data set as a whole.

C-4.2.1 Semivolatile Organic Compounds (SVOCs)

A total of 236 samples were analyzed for SVOCs. The method used was SW-846 Method 8270.

Some SVOC results had elevated detection limits. This was particularly common when samples were from areas with high HE contamination. The high levels of HE cause a large background in the SVOC analysis and cause the elevated detection limits. The elevated detection limits cannot be avoided in these cases. Samples were moderate to low amounts of HE had acceptable detection limits. See Appendix I for a table of contract required detection limits.

SVOC results associated with one sample were rejected due to very poor recovery of one surrogate. The acceptable recovery range for these surrogates in water is:

Nitrobenzend-d_5	35-114%
2-flurobiphenyl	43-116%
p-terphenyl-d_{14}	33-141%
Phenol-d_6	10-94%
2-flurophenol	21-100%
2,4,6-tribromophenol	10-123%

Four samples in two request numbers were rejected because holding times were grossly exceeded. Five samples in two request numbers exceeded holding times but by only a few days and data were qualified on this basis.

All remaining problems in the SVOC analysis are associated with blank contamination of phthalates, discussed above. All non-rejected data are useable.

C-4.2.2 Volatile Organic Compounds (VOCs)

A total of 165 samples were analyzed for VOCs. The method used was SW-846 Method 8260. Sample results in only one VOC request number were rejected, due to grossly exceeded holding times. These results were not used for decision purposes. Several requests for VOC analysis of water samples exceeded the recommended 7 day holding period. However, the U.S. EPA CLP National Functional Guidelines for Organic Data Review indicate that a 14 day holding period prior to VOC analysis is acceptable for properly preserved samples (EPA 1994, 58690, p. 7). All water samples were properly preserved (cooled to 4 degrees C and acidified to pH<2). Any qualifiers placed on these samples due to holding time problems were removed during focussed validation. These sample results may be qualified due to other issues affecting data quality however.

Other than problems associated with holding times and blank contamination, the only other QA/QC problem affecting VOC data was poor internal standard or surrogate results. Thirteen samples in six request numbers were qualified due to poor internal standard or surrogate results. No internal standard or surrogate problem was serious enough to warrant rejection of data. Surrogates indicate if matrix interferences are affecting the analytical results of a sample. Internal standards also indicate matrix effects or instrumental problems. The acceptable range of recovery for surrogates is as follows: d8-toluene, 81%-117%, bromofluorobenzene (BFB), 74%-121%, and d4-1,2-dichloroethane, 70%-121%. All three surrogates were out of control in at least one request number although most only varied from the acceptable range by 5-10 percentage points. The internal standards used were d5-chlorobenzene, d4-1,4-dichlorobenzene, and bromochloromethane and the area of the peak must be between –50% to +100%. The internal standard result also varied by only 5-10 percentage points generally.

In general, minor analytical problems with the surrogate or internal standard cause the analytical result to be qualified as estimated or estimated undetected. In all cases the internal standard results are lower than expected, which could cause falsely high reported values. However very few VOCs were detected in any samples at this site. Therefore, these minor problems associated with poor internal standards and surrogate results outside acceptance criteria have little effect on the data set overall. All detection limits were acceptable relative to background values and have no effect on the data. The non-rejected VOC data is usable within the limitations of the relevant qualifiers.

C-4.2.3 High Explosives (HE)

A total of 263 samples were analyzed for HE. The method used was SW-846 8330. The most common QC issue was rejection of results from samples exceeding holding times. Results from 27 samples in four request numbers were rejected and tetryl results for eight samples in one request number were rejected due to exceeding holding times. The standard 14 day holding time for soil and 7 day holding time for water was exceeded by 5-57 days in these request numbers. However, rejection of data is not a QA/QC issue but a data usability issue. So much HE data is available at this site that rejection of some data does not have a significant impact on the overall decision made at this site.

Another common reason for HE data to be qualified is the use of a limited suite laboratory control standard (LCS). Four request numbers with 25 samples were affected by this. The LCS is considered to be a perfect sample against which to test the analytical method. Generally all 14 analytes are included in the LCS but occasionally fewer analytes, seven of the 14, were used. The data were then qualified as PM. The data are acceptable without qualification. There were very few problems related to the LCS and the limited suite included HE that were particularly important at this site.

The LCS is the most important QA/QC sample for HE analyses. Poor LCS results affected 17 samples in six request numbers. The acceptable recovery range for LCS compounds is 60% -120%. Compounds below the acceptable range were qualified as J-; compounds above the acceptable range were qualified as J+. Recoveries ranged from 41% to 125% and all compounds were equally affected. This indicates that the problem affecting LCS recoveries is a general one and not severe enough to affect the data. The data are useable within the limitations of the applied qualifiers.

In the 1994 data set, the high explosive results had elevated detection limits because a larger sample size was used and the salting-out step of the extraction was not performed. The detection limits were elevated by at least an order of magnitude or more over the contract required detection limits. Therefore this HE data is of limited utility except for high concentrations of HE well above the elevated detection limits.

C-5.0 RESULTS OF DATA VALIDATION

Table C-5.0-1

Data Quality Evaluation for PRS 16-021(c) Phase II Investigation Source Data

Sample ID	Analytical Suite	Request Number	Sample Matrix[a]	Quality Assessment
0316-96-0254	High Explosives	2811	Solid	1,3,5-TNB in the LCS had a recovery of 121%, and 2,4,6-TNB in the LCS had a recovery of 125%. These recoveries are slightly above the acceptable limit of 120%. Detected results were qualified as J+[b]. All data are useable with qualification.
0316-97-0323 to -0324	High Explosives	3739R	Solid	Sample 0316-97-0323 exceeded holding times for extraction by 20 days. Sample 0316-97-0324 exceeded holding times for extraction by 25 days, and exceeded holding times for analyses by 10 days. The blank spike used for the LCS had a TNT recovery of 126%, which is outside the acceptable 120% level, and TNT results were qualified as J+. All data are rejected.
0316-97-0257, -0274, -0275	High Explosives	3828R	Solid	The recovery of tetryl in the LCS (a blank spike sample) was 44%, below the acceptable limit of 60%. Tetryl data was qualified as J-[c]. All the data were PM[d]-qualified due to missed holding times. Sample 0316-97-0257 missed holding times by 12 days. Samples 0316-97-0274, -0328, -0329, and -0311 missed holding times by 6 days. Samples 0316-97-0275, -0330, and -2021 missed holding times by 5 days. All tetryl results are rejected. All remaining data are UJ[e]-qualified or qualified as J-. All remaining data are useable with qualification.
0316-97-0268 to -0270	High Explosives	3903R	Solid	Samples were qualified as J+ because all spike recoveries except tetryl were between 120 and 131%, which is above the acceptable limit of 120%. Data are U[f]-qualified because nothing was detected. All data are useable with qualification.
0316-97-0299	Inorganic Chemicals (excluding cyanide)	3331R	Solid	The matrix spike for mercury analysis was conducted on a sample not associated with this request number, and mercury values were A[g]-qualified as a result. The sample was another LANL sample. All mercury results are accepted without qualification. All data are useable without qualification.
0316-97-0300	Inorganic Chemicals (excluding cyanide)	3345R	Solid	All data were A-qualified because the spike and duplicate analysis was conducted on a sample not associated with this request number. The mercury QC sample was a LANL sample associated with request 3440R. The remaining QC sample was a LANL sample associated with request 3331R. All data are useable without qualification.
0316-96-0292, -0293, -0296	Inorganic Chemicals	2763	Solid	Cyanide was not recovered from the spike sample and cyanide data are rejected. Spike recoveries for antimony (35%) and selenium (38%) were below the acceptable limit of 75% and these data were UJ-qualified. Manganese recovery was 10%. These data were qualified as J-. All data were A-qualified because the duplicate analysis for all analytes other than cyanide was conducted with a LANL sample not associated with this request. The duplicate results were outside the acceptable limit of 20–35% for antimony (86%) and cadmium (88%). Cadmium and antimony data are qualified as UJ. Other than cyanide, all data are useable with qualification.

Table C-5.0-1 (continued)

Sample ID	Analytical Suite	Request Number	Sample Matrix	Quality Assessment
0316-96-250, -0294, -0295	Inorganic Chemicals	2779	Solid	The difference between the results for the sample and the duplicate was outside the acceptable value of 20% for aluminum, iron, and zinc. These data were P^h-qualified. These data should be considered estimated. All data are useable with qualification.
0316-96-0254	Inorganic Chemicals	2810	Solid	The matrix spike recovery for manganese was 70.5%, outside the acceptable 75% limit. Manganese data are qualified as J-. All data are useable with qualification.
0316-96-0252'	Inorganic Chemicals	2819	Solid	Beryllium was present in the blank and should be qualified as undetected. Lead was P-qualified due to a 26% difference in the recovery between the sample and duplicates, which is outside the acceptable 20%, but within the 35% limit typical of heterogeneous LANL soils. This is likely due to natural sample matrix heterogeneity. All samples, excluding beryllium, are useable without qualification.
0316-96-0281	Inorganic Chemicals	2849	Solid	Antimony, selenium, and manganese had spike recoveries of 47%, 72%, and 51% respectively, which are below the acceptable limit of 75%. Antimony and selenium results are qualified as estimated undetected, and manganese results are qualified as estimated with a low bias. A post-digestion spike showed acceptable recovery for all of these elements, indicating sample matrix heterogeneity. The duplicate sample run with this sample was a LANL sample not associated with the sample in this request. This is acceptable practice. However, the duplicate results were well outside the level of 20–35% RPD (which assumes some matrix heterogeneity) for antimony (RPD 134%), barium (RPD 60%), cadmium (RPD 67%), and mercury (RPD 140%). The cyanide duplicate was run on this sample and showed acceptable results. All data, with the exception of cyanide, were A-qualified as a result. Antimony, barium, mercury, and cadmium results are qualified as estimated if detected, and estimated undetected if not. All data are useable with qualification.
0316-97-0298	Inorganic Chemicals	3217R	Solid	The relative percent difference in the barium and manganese results for the duplicate sample was outside the acceptable limit of 20%. These results were P-qualified. The RPD for barium was 31.9%, and the RPD for manganese was 65.3%. Barium values should be qualified as estimated. The spike recovery for antimony was 44.6%, and antimony is UJ-qualified. The spike recovery for manganese was 61.3%, which is outside the acceptable limit of 75%, and was qualified as J-. Based on the poor spike recovery and poor duplicate results, manganese values are qualified as J-. All data are useable with qualification.
0316-97-0280	Inorganic Chemicals	3390R	Solid	Manganese had a spike recovery of 132%, which is outside the acceptable limit of 125%. Manganese data are qualified as J+. All data are useable with qualification.

Table C-5.0-1 (continued)

Sample ID	Analytical Suite	Request Number	Sample Matrix	Quality Assessment
0316-97-0282 to -0283	Inorganic Chemicals	3463R	Solid	The matrix spike and duplicate analysis for mercury was conducted on a sample not associated with this request number, and mercury values were A-qualified as a result. The sample was another LANL sample. All mercury results are useable without qualification. The spike recovery for selenium was 74%, which is less than the acceptable 75% level. Selenium results are UJ-qualified. All remaining data are useable without qualification.
0316-97-0390 to -0293	Inorganic Chemicals	3480R	Solid	Chromium was present in the blank and was U-qualified in all samples except 0316-97-0390. The matrix spike and duplicate analysis for all metals excluding cyanide was conducted on a sample not associated with this request number. Values were A-qualified as a result. The sample was another LANL sample. All results are useable with qualification.
0316-97-0286, -2020	Inorganic Chemicals	3519R	Solid	Mercury results are A-qualified because the spike and duplicate analysis was conducted on a sample from request 3572R. This is acceptable. All data are useable without qualification.
0316-97-0287 to -0288	Inorganic Chemicals	3541R	Solid	All data were A-qualified because the spike and duplicate analysis was conducted on a sample not associated with this request number. The duplicate RPD for antimony was 200%; for mercury it was 75%. These results are well outside the acceptable range of 20–35%. The spike recovery for antimony and mercury was 73% and 71%, respectively, which are both less than the acceptable level of 75%. Antimony and mercury data are rejected in both samples. All remaining data is useable without qualification.
0316-97-0289	Inorganic Chemicals	3581R	Solid	RPD results for the duplicate analysis of copper, iron, and zinc were 78%, 42%, and 33%, respectively. These results were P-qualified because they are above the acceptable limit of 20%. Copper and iron are J[i]-qualified. Zinc is within the acceptable 35% limit for heterogeneous LANL soils and is unqualified. Nickel was present in the blank and sample and nickel results are U-qualified. All other data is useable without qualification.
0316-97-0304	Inorganic Chemicals	3614R	Solid	The sample and laboratory duplicate varied by more than the acceptable limit of 20% for chromium, iron, and magnesium. These data should are qualified as estimated. All data were A-qualified because the spike and duplicate analysis was conducted on a sample not associated with this request number. The cyanide QC sample was sample 0316-97-0310 from request 3623R. The mercury QC sample was associated with request 3607R. The remaining QC sample was associated with request 3583R. All data are useable with qualification.

Table C-5.0-1 (continued)

Sample ID	Analytical Suite	Request Number	Sample Matrix	Quality Assessment
0316-97-0310, *-0388, -0389*	Inorganic Chemicals	3623R	Solid	Chromium was present in the laboratory blank, and the chromium result in sample 0316-97-0310 was U-qualified. Antimony was UJ-qualified because the spike recovery was 74%, slightly below the acceptable limit of 75%. The difference between the sample and the duplicate values was outside the acceptable limit of 20% for copper. Copper results should be qualified as estimated. All results, excluding cyanide, were A-qualified because the matrix spike and duplicate analysis was conducted on samples not associated with this request number. The mercury spike and duplicate sample was from request 3583R, and the other duplicate and spike sample was from request 3626R. All data are useable with qualification.
0316-97-0305	Inorganic Chemicals	3646R	Solid	The sample and laboratory duplicate varied by more than the acceptable limit of 20% for aluminum, iron, zinc, and manganese. Aluminum, zinc, and iron data should be qualified as estimated. Manganese results should be rejected because spike recovery results were unacceptably low. All results excluding cyanide and mercury were A-qualified because the spike and duplicate were conducted on a sample from request 3652R. This is acceptable, and the A-qualifier should be ignored. All data are useable with qualification.
0316-97-0311 to -0312	Inorganic Chemicals	3654R	Solid	The sample and laboratory duplicate varied by more than the acceptable limit of 20% for aluminum, iron, zinc, and manganese. Aluminum and manganese data should be qualified as estimated. The spike recovery for selenium and zinc was 58% and 70%, respectively, which are outside the acceptable level of 75%. Selenium results are UJ-qualified; zinc results are qualified as J-. All data are useable with qualification.
0316-97-0322	Inorganic Chemicals	3708R	Solid	The spike recoveries for barium, antimony, and manganese were 73%, 43%, and 49%, respectively. The acceptable level is 75%. Barium and antimony results are UJ-qualified and manganese results are qualified as J-. All data are useable with qualification.
0316-97-0323 to -0324	Inorganic Chemicals	3738R	Solid	Manganese had a spike recovery of 72%, slightly below the acceptable limit of 75%. Manganese results are qualified as J-. All data are useable with qualification.
0316-97-0316 to -0317	Inorganic Chemicals	3759R	Solid	The sample and laboratory duplicate varied by more than the acceptable limit of 20% for barium, iron, zinc, and manganese. They had RPDs of 24%, 21%, 22%, and 37% respectively. Manganese data should be qualified as estimated. The remaining three values are well within the 35% limit for heterogeneous soils such as LANL's. Matrix spike recoveries are 65% for both CN and Se, and they are qualified as estimated undetected. The spike and duplicate sample was a LANL sample not associated with this package and data were A-qualified. All data are useable with qualification.

Table C-5.0-1 (continued)

Sample ID	Analytical Suite	Request Number	Sample Matrix	Quality Assessment
0316-97-0256	Inorganic Chemicals	3776R	Solid	The spike recovery for selenium and cyanide was 65%, which is below the acceptable limit of 75%. These data are UJ-qualified. Iron, zinc, and manganese were P-qualified. The RPD for iron and zinc were within the acceptable level of 20–35% and not qualified. Manganese was outside the acceptable limit and is qualified as estimated. All data are useable with qualification.
0316-97-0257, -0274, -0275, -0328 to -0331, -2021	Inorganic Chemicals	3829R	Solid	Chromium, manganese, and nickel were P-qualified due to poor duplicate RPD results of 78%, 27%, and 58%, respectively, which are outside the acceptable limit of 20% RPD, although manganese results were within the limit of 35% for heterogeneous soils. Manganese results are not qualified. The matrix spike recovery results for antimony were 57%; for chromium, 29%, which is below the acceptable limit of 75%. Antimony and nickel results are J-qualified, when detected, and are UJ-qualified where not detected. All chromium values are rejected due to poor duplicate and matrix spike results. Excluding chromium results, all data are useable with qualification.
0316-97-0262	Inorganic Chemicals	3858R	Solid	The spike recovery for antimony was 73%; for manganese, it was 131%. Both are outside the acceptable limit of 75–125%. Antimony results are UJ-qualified, and manganese results are qualified as J+. The RPD for barium was 43%, and the barium data were P-qualified. Barium data are qualified as estimated. Data are useable with qualification.
0316-97-0276 to -0277	Inorganic Chemicals	3862R	Solid	Aluminum and iron had an RPD of 24% and 33%, respectively. These data were P-qualified. These results are within the 20–35% range common in heterogeneous LANL soils and are qualified. All data are useable without qualification.
0316-97-0263, -0264, -0332, -0333	Inorganic Chemicals	3881R	Solid	The spike recovery for manganese was 53%; for mercury it was 33%. Mercury is qualified as estimated undetected, and manganese is qualified as estimated with a low bias. All data is useable with qualification.
0316-97-0268 to -0270	Inorganic Chemicals	3904R	Solid	Duplicate results for aluminum, iron, and zinc were 39–40%. This is outside the acceptable limit of 20–35%. These results were P-qualified and should be qualified as estimated. Manganese duplicate results were P-qualified bit were within the acceptable range. Cyanide results were A-qualified because no spike or duplicate analysis was conducted for cyanide. All remaining QA/QC results were acceptable for cyanide. Cyanide results are accepted without qualification. All data are useable with qualification.
0316-96-0254	SVOCs	2809	Solid	Bis (2-ethylhexyl) phthalate was present in the blank and in the samples. Detected amounts were U-qualified because the amounts in the sample were less than 10× the amount in the blank. All data are useable with qualification.
0316-96-0252	SVOCs	2818	Solid	This sample contained a TIC of TNT at 100 000 µg/kg, which was J-qualified. All data are useable without qualification, except for the TIC.

Table C-5.0-1 (continued)

Sample ID	Analytical Suite	Request Number	Sample Matrix	Quality Assessment
0316-96-0281	SVOCs	2850	Solid	This sample had 2-methyl-1,3,5-TNB identified as a TIC at 74 000 µg/kg. All data are useable without qualification, although the TIC is qualified as estimated.
0316-97-0280	SVOCs	3388R	Solid	RDX at 200 µg/kg and TNT at 930 µg/kg were detected as TICs. They were qualified as NJ and are considered estimated. All remaining data are useable without qualification.
0316-97-0282 to -0283	SVOCs	3461R	Solid	Bis (2-ethylhexyl) phthalate was present in the blank and in the samples. Detected amounts were U-qualified because the amounts in the sample were less than 10× the amount in the blank. All data are useable with qualification.
0316-97-0289	SVOCs	3579R	Solid	This sample exceeded the holding time by one day and the data was PM-qualified. The data should be qualified as UJ. The data are useable with qualification.
0316-97-0305	SVOCs	3644R	Solid	Bis (2-ethylhexyl) phthalate was present in the blank and in the sample. Detected results were U-qualified because the amounts in the sample were less than 10× the amount in the blank.
0316-97-0323 to -0324	SVOCs	3737R	Solid	Bis(2-ethylhexyl) phthalate was present in the blank at 110 mg/kg and was present in the samples. Bis (2-ethylhexyl) phthalate results are qualified as U. Sample 0316-97-0324 missed holding times by one day and all data associated with this sample were PM-qualified. All data in this sample should be considered estimated or estimated undetected, although bis (2-ethylhexyl) phthalate remains U-qualified. All data are useable with qualification.
0316-96-250, -0294, -0295	VOCs	2778	Solid	Sample 0316-96-0295 exceeded the holding time by less than one day (six minutes), and that sample data was PM-qualified. All data are useable without qualification.
0316-96-0254	VOCs	2809	Solid	Acetone was present in the blank and in the sample. It is U-qualified because it is present in the sample at levels less than 10× the level in the blank. All data are useable with qualification.
0316-96-0252	VOCs	2818	Solid	When this sample was originally sent to the laboratory, it was described as a water matrix. However, the sample was actually a runny mud and the matrix was later reclassified as a sludge. The data were PM-qualified because they missed the 7-day holding time for water. However, they were within the 14-day holding time for solids. The PM-qualifier should be removed. Methylene chloride was present in the blank and in the sample. It is U-qualified because it is present in the sample at levels less than 10× the level in the blank. Acetone was also present in the blank. However it was present in the sample at levels greater than 10× the amount in the blank and should be considered to be present in the sample. All data are useable with qualification.
0316-96-0280	VOCs	2821	Solid	Acetone and methylene chloride were present in the blank and in the sample. They are U-qualified because they are present in the sample at levels less than 10× the level in the blank. All data are useable with qualification.

Table C-5.0-1 (continued)

Sample ID	Analytical Suite	Request Number	Sample Matrix	Quality Assessment
0316-96-0281 to -0282	VOCs	2850	Solid	One internal standard was low for sample 0316-96-0281, but was acceptable in analysis of this sample as a matrix spike. Data in this sample were UJ-qualified. The recovery of surrogate BFB was 69%, which is below the acceptable limit of 74%, in sample 0316-96-0282. These data were UJ-qualified except for acetone, which was detected and qualified as J-. All data are useable with qualification.
0316-97-0298	VOCs	3215R	Solid	Acetone and methylene chloride were present in the blank and in the samples. Detected acetone and methylene chloride results were U-qualified because the amounts in the sample were less than 10× the amount in the blank. All data are useable with qualification.
0316-97-0299	VOCs	3330R	Solid	Acetone and methylene chloride were present in the blank and in the samples. Detected acetone and methylene chloride results were U-qualified because the amounts in the sample were less than 10× the amount in the blank. All data are useable with qualification.
0316-97-0300	VOCs	3344R	Solid	Acetone and methylene chloride were present in the blank and in the samples. Detected acetone and methylene chloride results were U-qualified because the amounts in the sample were less than 10× the amount in the blank. All data are useable with qualification.
0316-97-0280	VOCs	3388R	Solid	Methylene chloride was present in the blank and in the sample. Detected results were U-qualified because the amounts in the sample were less than 10× the amount in the blank. This sample missed the 14-day holding time by 4 days. All data are qualified as estimated undetected except methylene chloride, which is U-qualified. All data are useable with qualification.
0316-97-0390 to -0293	VOCs	3478R	Solid	Acetone and methylene chloride was present in the blank and in the samples. Detected methylene chloride results were U-qualified because the amounts in the sample were less than 10× the amount in the blank. Acetone results were also U-qualified, with the exception of sample 0316-97-0390, which had acetone at a level greater than 10× the blank value. All data are useable with qualification.
0316-97-0286, -2020	VOCs	3517R	Solid	Acetone was present in the blank and in the samples. Detected acetone results were U-qualified because the amounts in the sample were less than 10× the amount in the blank. All data are useable with qualification.
0316-97-0289	VOCs	3579R	Solid	Acetone and methylene chloride were present in the blank and in the samples. Detected acetone and methylene chloride results were U-qualified because the amounts in the sample were less than 10× the amount in the blank. All data are useable with qualification.
0316-97-0304	VOCs	3612R	Solid	Acetone and methylene chloride were present in the blank and in the samples. Detected acetone and methylene chloride results were U-qualified because the amounts in the sample were less than 10× the amount in the blank. All data are useable with qualification.

Table C-5.0-1 (continued)

Sample ID	Analytical Suite	Request Number	Sample Matrix	Quality Assessment
0316-97-0310	VOCs	3621R	Solid	Methylene chloride was present in the laboratory blank and in the samples. Methylene chloride in the samples was less than 10× the amount in the blank. All methylene chloride values are qualified as undetected. All data are useable with qualification.
0316-97-0305	VOCs	3644R	Solid	Methylene chloride was present in the blank and in the sample. Detected methylene chloride results were U-qualified because the amounts in the sample were less than 10x the amount in the blank. Acetone was also present in the blank at 4 mg/kg. However, the amount of acetone in the sample was greater than 10× this amount and should not be qualified. All data are useable with qualification.
0316-97-0311 to -0312	VOCs	3652R	Solid	Methylene chloride was present in the blank and in the samples. Detected methylene chloride results were U-qualified because the amounts in the sample were less than 10× the amount in the blank. All data are useable with qualification.
0316-97-0388, -0389	VOCs	3621R	Solid	The internal standard 1,4-dichlorobenzene-d4, associated with sample 0316-97-0389, was below the acceptable lower limit. As a result, all data in this sample are qualified as estimated undetected, with the exception of acetone, which was detected and is qualified as estimated. Two internal standards (chlorobenzene-d5 and 1,4-dichlorobenzene-d4) associated with sample 0316-97-0388 were below the acceptable limit of 50%. Sample 0316-97-0388 also had two surrogates out of control. Toluene-d8 was recovered at 80%, below the acceptable limit of 81%, and BFB was recovered at 123%, above the acceptable limit of 121%. All data in this sample are qualified as estimated undetected, with the exception of naphthalene which is qualified as estimated. Methylene chloride was present in the laboratory blank and in the samples. Methylene chloride in the samples was less than 10× the amount in the blank. All methylene chloride values are qualified as undetected. All data are useable with qualification.
0316-97-0388 to -0389	Inorganic Chemicals	3623R	Solid	Chromium was present in the laboratory blank, and chromium in sample 0316-97-0310 was U-qualified. Antimony was UJ-qualified because the spike recovery was 74%, slightly below the acceptable limit of 75%. The difference between the sample and duplicate values was outside the acceptable limit of 20% for copper. Copper results are qualified as estimated. All results, excluding cyanide, were A-qualified because the matrix spike and duplicate analysis was conducted on samples not associated with this request number. The mercury spike and duplicate were from request 3583R and the other duplicate and spike sample was from request 3626R. All data are useable with qualification.

Table C-5.0-1 (continued)

Sample ID	Analytical Suite	Request Number	Sample Matrix	Quality Assessment
0316-97-0328 to -0331, -2021	VOCs	3827R	Solid	Acetone and methylene chloride were present in the blank and in the samples. The levels in the sample were less than 10× the level in the blank. All detected acetone and methylene chloride results are qualified as undetected. One internal standard associated with sample 0316-97-0328 had results of 49%, which is below the acceptable limit of 50%. Another internal standard associated with samples 0316-97-0328 and 0316-97-0329, as well the matrix spike, matrix spike duplicate, and reanalysis sample 0316-97-0329RE, had results below the acceptable limit of 50%. The data in these samples were qualified as J, PM, or UJ. One surrogate associated with sample 0316-97-0328 had a recovery of 123%, above the acceptable limit of 117%. Another surrogate associated with samples 0316-97-0328 and 0316-97-0329, as well as the matrix spike and matrix spike duplicate, had a recovery above the acceptable limit of 121%. All detected compounds associated with these samples were qualified J+. As a result of the poor internal standard and surrogate results, all detected compounds in samples 0316-97-0328 and 0316-97-0329 (excluding acetone and methylene chloride qualified above) are qualified as J+; all undetected compounds are qualified as UJ. All data are useable with qualification.
0316-96-0328 to -0331, -2021	High Explosives	3828R	Solid	The recovery of tetryl in the LCS (a blank spike sample) was 44%, which is below the acceptable limit of 60%. Tetryl data was qualified as J-. All the data was PM-qualified due to missed holding times. Sample 0316-96-0257 missed holding times by 12 days. Samples 0316-96-0274, -0328, -0329, and -0311 missed holding times by 6 days. Samples 0316-96-0275, -0330, and -2021 missed holding times by 5 days. All tetryl results are rejected. All remaining data are qualified as J-, estimated with a low bias. All remaining data are useable with qualification.
0316-97 -0332, -0333	VOCs	3879R	Solid	In sample 0316-97-0333, internal standard d5-chlorobenzene was below the acceptable limit of 50%. All data in this sample are UJ-qualified. All data are useable with qualification.
0316-97 -0332 to -0333	Inorganic Chemicals	3881R	Solid	The spike recovery for manganese was 53%; for mercury, it was 33%. Mercury is qualified as estimated undetected and manganese is qualified as estimated with a low bias. All data are useable with qualification.
0316-97-0323 to -0324	VOCs	3737R	Solid	Acetone and methylene chloride were present in the blank and in the samples. Detected acetone and methylene chloride results were U-qualified because the amounts in the sample were less than 10× the amount in the blank. All data are useable with qualification.
0316-97-0316 to -0317	VOCs	3757R	Solid	Methylene chloride was present in the blank and in the samples. Detected methylene chloride results were U-qualified because the amounts in the sample were less than 10× the amount in the blank. All data are useable with qualification.

Table C-5.0-1 (concluded)

Sample ID	Analytical Suite	Request Number	Sample Matrix	Quality Assessment
0316-97-0256	VOCs	3774R	Solid	Methylene chloride was present in the blank and in the samples. Detected methylene chloride results were U-qualified because the amounts in the sample were less than 10× the amount in the blank. All data are useable with qualification.
0316-97-0257, -0274, -0275	VOCs	3827R	Solid	Acetone and methylene chloride were present in the blank and in the samples. The levels in the sample were less than 10× the level in the blank. All detected acetone and methylene chloride results should be qualified as undetected. All data are useable with qualification.
0316-97-0276 to -0277	VOCs	3860R	Solid	Methylene chloride was present in the blank and in the samples. Detected methylene chloride results were U-qualified because the amounts in the sample were less than 10× the amount in the blank. All data are useable with qualification.
0316-97-0263, -0264, -0332, -0333	VOCs	3879R	Solid	In sample 0316-97-0333, internal standard d5-chlorobenzene was below the acceptable limit of 50%. All data in this sample are UJ-qualified. All data are useable with qualification.
0316-97-0268 to -0270	VOCs	3902R	Solid	Acetone, methylene chloride, and dichlorofluromethane present in the samples and blanks, and these results are U-qualified. All data are useable with qualification.

[a] The solid sample matrix includes soil and sediment matrices.

[b] J+ = The analyte was positively identified, and the result is likely biased high.

[c] J- = The analyte was positively identified, and the result is likely biased low.

[d] PM = Manual review of the data is recommended to determine if detect impacts data use.

[e] UJ = The analyte was analyzed for but not detected. The associated value is an estimate.

[f] U= The analyte was analyzed for but not detected above the reported estimated quantitation limit or sample detection limit.

[g] A = Absent.

[h] P = Use professional judgement based on data use.

[i] 0316-96-0252 These samples were described by the analytical laboratory as sludge. However, they were analyzed in a manner similar to soils and solvents.

[j] J = The reported value is an estimated quantity.

Table C-5.0-2

Data Quality Evaluation for PRS 16-021(c) Phase I Investigation Source Data

Sample ID	Analytical Suite	Request Number	Sample[a] Matrix	Comments
0316-95-0044 to -0046	SVOCs	1173	Solid	Detection limits were elevated in some samples, probably due to the high concentration of HE in these samples which caused some analytical interferences. This is unavoidable, given the nature of the samples. All data are useable without qualification.
0316-95-0044 to -0046	VOCs	1173	Solid	One internal standard did not meet QC criteria for all samples. Sample 0316-95-0046 had three internal standards that did not meet QC criteria. Surrogate recovery was poor in all samples. Samples 0316-95-0044 through -0046 were reanalyzed. The reanalyzed results should be considered valid and the original results should be rejected. Methylene chloride was present in the method blank due to lab contamination. Methylene chloride results in the sample are U[b]-qualified. All non-rejected data is useable with qualification.
0316-95-0044 to -0046	High Explosives	1173	Solid	Samples were extracted and analyzed twice. The first extraction showed high concentrations of HE that may have saturated the extract. The second analysis showed that the extract was not saturated. Detected values in the first set of analytical results are qualified as J-[c], and all data are useable with qualification.
0316-95-0044 to -0046	Inorganic Chemicals	1174	Solid	Duplicate recovery for aluminum (55%) and iron (46%) was outside the acceptable 20–35% range. These data were P[d]-qualified and are qualified as estimated. Chromium, zinc, and manganese were also P-qualified for duplicate recovery within the 20–35% range and are not unqualified. All data are useable with qualification.
0316-95-0023 to -0026	SVOCs	1222	Solid	Bis (2-ethylhexyl) phthalate contamination was present in the samples and in the method blank due to lab contamination. Bis (2-ethylhexyl) phthalate was U-qualified. Sample 0316-95-0024 missed holding times by one day, and data in this sample were PM[e]-qualified. These data are useable without qualification, as are all remaining data.
0316-95-0023 to -0026	High Explosives	1222	Solid	Samples were PM-qualified because an LCS with a limited suite was used. LCS results were acceptable. Data are useable without qualification.
0316-95-0023 to -0026	Inorganic Chemicals	1223	Solid	Spike recovery for selenium was 45%, and all selenium data were UJ[f]-qualified. Spike recovery for arsenic and barium was 64% and 69%, respectively, which is lower than the acceptable 75%. All arsenic and barium data were qualified as estimated with a low bias (J-). Duplicate recovery for barium and calcium was within the acceptable 20–35% range, but the lead recovery was 41%, outside the acceptable range. Lead data are qualified as estimated. All data are useable with qualification.

Table C-5.0-2 (continued)

Sample ID	Analytical Suite	Request Number	Sample Matrix	Comments
0316-95-0028, -0032, -0038 to -0043	High Explosives	1268	solid	Samples were PM-qualified because an LCS with a limited suite was used. LCS results were acceptable. Data are useable without qualification.
0316-95-0028, -0032, -0038 to -0043	Inorganic Chemicals	1269	solid	Duplicate recovery for chromium and iron was 29% and 22%, respectively, outside the acceptable 20% range, but within the 35% limit associated with heterogeneous soils. All data are useable without qualification.
0316-95-0029 to -0031, 0316-95-0033 to -0037, 0316-95-2012 to -2013	SVOCs	563	solid	Bis (2-ethylhexyl) phthalate was present in the samples and in the method blank due to lab contamination. Bis (2-ethylhexyl) phthalate results were qualified as U when it was below 10× the amount in the blank, and it was J[g]-qualified when it exceeded 10× the amount in the blank. Detection limits were elevated in some samples, probably due to the high concentration of HE in these samples which caused some analytical interferences. All data are useable with qualification.
0316-95-0029 to -0031, 0316-95-0033 to -0037, 0316-95-2012 to -2013	High Explosives	563	solid	Samples were PM-qualified because a limited suite Laboratory Control Standard was used. LCS results were acceptable. Data are useable without qualification.
0316-95-0029 to -0031, 0316-95-0033 to -0037, 0316-95-2012 to -2013	Inorganic Chemicals	564	solid	Spike recoveries for manganese and zinc were 258% and 160%, respectively, which are outside the acceptable value of 125%. The post-digestion spike recoveries were adequate. All manganese and zinc data were qualified as J+[h]. Spike recoveries for selenium (72%) and arsenic (71%) were below the acceptable value of 75%. All selenium data were qualified as UJ. All arsenic data were qualified as J-. Duplicate recovery for aluminum, barium, chromium, copper, iron, zinc, and manganese ranged from 42–68%, and beryllium recovery was 200%, outside the acceptable 20–35% range. These data are J-qualified although manganese and zinc are qualified as J+ above. All data are useable with qualification.
0316-95-0017 to -0018	SVOCs	972	solid	Detection limits were elevated in some samples, probably due to the high concentration of HE in these samples which caused some analytical interferences. Bis (2-ethylhexyl) phthalate was present in the samples and in the method blank due to lab contamination. Phthalate data qualified as U because it was below 10× the amount in the blank . All data are useable with qualification.
0316-95-0017 to -0018	High Explosives	972	solid	Samples were PM-qualified because an LCS with a limited suite was used. LCS results were acceptable. Data are not qualified based on this result. All data are useable without qualification.

Table C-5.0-2 (concluded)

Sample ID	Analytical Suite	Request Number	Sample Matrix	Comments
0316-95-0017 to -0018	Inorganic Chemicals	978	solid	Spike recovery for barium was 162%, outside the acceptable value of 125%. All barium data were qualified as J+. Spike recovery for selenium was 40%, below the acceptable value of 75%. All selenium data were qualified as UJ. The multiple standard addition calibration for lead in sample 0316-95-0110 had a regression coefficient of less than 0.995, and lead data in this sample should be J- qualified. Duplicate recovery for barium and lead was 26% and 22%, respectively, which is within the acceptable range of 20–35% for heterogeneous soils and should not be qualified on this basis. Duplicate recovery for manganese was 65%, and manganese data should be J-qualified. All data are useable with qualification.

[a] The solid sample matrix includes soil and sediment matrices.

[b] U = The analyte was analyzed for but not detected above the reported estimated quantitation limit or sample detection limit.

[c] J- = The analyte was positively identified, and the result is likely biased low.

[d] P = Use professional judgement based on data use.

[e] PM = Manual review of the data is recommended to determine if defect impacts data use.

[f] UJ = The analyte was analyzed for but not detected. The associated value is an estimate.

[g] J = The reported value is an estimated quantity.

[h] J+ = The analyte was positively identified, and the result is likely biased high.

Table C-5.0-3
Data Quality Evaluation for PRS 16-021(c) 1994 Sampling Effort Data

Sample ID	Suite	Request Number	Matrix	Quality Assessment
AAB1597 AAB1598, AAB1600, AAB1603 to AAB1608	Metal	17473	Water	These data were never validated.
AAB1597, AAB1598, AAB1600	High Explosives	17253	Water	Detection limits are elevated due to the use of larger sample volumes during analysis. No surrogate or spike data are available. Analytical laboratory qualifiers are accepted for use with this data. Data are useable with qualification.
AAB1599, AAB1601, AAB1602	High Explosives	17249	Water	Detection limits are elevated due to the use of larger sample volumes during analysis. No surrogate or spike data are available. Analytical laboratory qualifiers are accepted for use with this data. Data are useable with qualification.
AAB1599, AAB1601, AAB1602	Radio-nuclides	17436	Water	The detection limit for Am-241 was elevated in the QC blind sample, which indicates that the detection limit for Am-241 in the sample could be elevated. All data are useable without qualification.
AAB1599, AAB1601, AAB1602	Inorganic chemicals	17440	Water	Mercury exceeded holding times by 57 days. All mercury data is rejected. All remaining data are useable without qualification.
AAB1603, AAB1607, AAB1608	VOCs	17268	Water	Some samples have elevated detection limits for acetone. The blind QC sample contained acetone due to laboratory contamination, and the acetone present in the samples is suspected to be due to laboratory contamination as well. For this reason, acetone values in the samples were qualified as U[a]. All data are useable with qualification.
AAB1603, AAB1607, AAB1608	High Explosives	17250	Water	Detection limits are elevated due to the use of larger sample volumes during analysis. No surrogate or spike data are available. Analytical laboratory qualifiers are accepted for use with this data. Data are useable with qualification.
AAB1604 to AAB1606	VOCs	17265	Water	Some samples have elevated detection limits for acetone. The blind QC sample contained acetone due to laboratory contamination, and the acetone present in the samples is suspected to be due to laboratory contamination as well. For this reason, acetone values in the samples were qualified as U. All data are useable with qualification.
AAB1609 to AAB1614	High Explosives	17254	solid	Detection limits are elevated due to the use of larger sample volumes during analysis. Decomposition products of tetryl were present in the blank. All data are useable without qualification.
AAB1604 to AB1606, AAB1609 to AAB1614	High Explosives	17254	Water	Detection limits are elevated due to the use of larger sample volumes during analysis. Decomposition products of tetryl were present in the blank. All data are useable without qualification.
AAB1609 to AAB1614	VOCs	17265	solid	Some samples have elevated detection limits for acetone. The blind QC sample contained acetone due to laboratory contamination, and the acetone present in the samples is suspected to be due to laboratory contamination as well. For this reason, acetone values in the samples were qualified as U. All data are useable with qualification.
AAB1609 to AAB1614	Inorganic chemicals	17473	solid	These data were never validated.

a. U = The analyte was analyzed for but not detected above the reported estimated quantitation limit or sample detection limit.

Table C-5.0-4
Data Quality Evaluation for PRS 16-021(c)
1996 Sampling Effort Data

Sample ID	Suite	Request Number	Sample Matrix	Quality Assessment
0816-96-0047 through -0048	High Explosives	2352	Water	The LCS was below the acceptable limit of 60% for seven out of eight compounds. HMX and RDX were qualified J-[b]. TNT, TNB, 1,3-DNB, 2,4-DNT and NB were UJ[c]-qualified. All data are useable with qualification.
0816-96-0047 through -0048	SVOCs	2356	Water	Bis (2-ethylhexyl) phthalate and di-n-butyl phthalate were present in the blank and in the samples. Detected results were U-qualified because the amounts in the sample were less than 10x the amount in the blank. All data are useable with qualification.
0816-96-0047 through –0048	VOCs	2356	Water	The 7 day holding time was exceeded by 6 days and the data was PM[d]-qualified. The data are useable without qualification.
0816-96-0045 to -0048	Inorganic Chemicals	2357	Water	Mercury results were A[e]-qualified because the spike and duplicate analysis were conducted on another sample not associated with this request. Cyanide data were A-qualified because no LCS was analyzed. However, an LCS is not required for cyanide analysis. LCS results associated with the inorganic analysis were acceptable. These data are acceptable without qualification.
0816-96 -0093 to -0113	VOCs	2608	Water	Samples 0816-96-0091 through -0100 exceeded the 7 day holding time by 1 day and samples 0816-96-0101 through -0115 exceeded the 7 day holding time by 3 days. These data were PM-qualified and are useable without qualification.
0816-96-0060 to -0090	Inorganic Chemicals	2609	Solid	The percent recovery of antimony, cyanide, and nickel in the matrix spike sample was 66%-70%, slightly below the lower limit of 75%. Data above the MDL were qualified J- and those data that were below the MDL were qualified UJ. The percent recovery of manganese in the matrix spike sample was 213%, well above the upper control limit of 125%; therefore, data for manganese were qualified J+[f] in all 31 samples. Some samples had low levels of inorganic contamination present in the blank and these analytes were U-qualified in the sample results. The relative percent difference (RPD) between the sample and duplicate was below the acceptance criteria for barium (RPD 72%), chromium (RPD 41%), cyanide (RPD 83%), manganese (RPD 62%), zinc (62%) and silver (RPD 27%). These analytes were P[g]-qualified. Silver results are useable without any further qualification and barium, chromium, zinc, and cyanide are UJ or J-[h]qualified. Manganese are qualified as J+ described above. All data are useable with qualification.
0816-96-0093 to -0113	Inorganic Chemicals	2609	Water	The matrix spike recovery for aluminum was above the acceptable limit of 125%. Detected aluminum values were qualified as J+. All data are useable with qualification.
0816-96-0060 to -0090	Radio-nuclides	2610	Solid	These samples were analyzed by KPA, a technique that tends to underreport the actual value. See text for more detail.
0816-96-0093 to -0113	Radio-nuclides	2610	Water	These samples were analyzed by KPA, a technique that tends to underreport the actual value. See text for more detail.

Table C-5.0-4 (concluded)

Sample ID	Suite	Request Number	Sample Matrix	Quality Assessment
0816-96-0060 to -0090	Radio-nuclides	2610	Solid	Duplicate analysis results for potassium-40 were not within the acceptable range and potassium-40 was J-qualified in the one sample associated with this duplicate. However, potassium-40 is not a potential contaminant and is only included in the analysis to assess data quality. All data are useable with qualification
0816-96-0093 to -0113	Radio-nuclides	2610	Water	Duplicate analysis results for potassium-40 were not within the acceptable range and potassium-40 was J-qualified in the one sample associated with this duplicate. However, potassium-40 is not a potential contaminant and is only included in the analysis to assess data quality. All data are useable with qualification
0816-96-0093 to -0113	High Explosives	2613	Water	All water samples exceeded holding times by 19 days. All water data are qualified as estimated with a low bias if detected and rejected if non-detected. All water data is useable with qualification.

[a] U = The analyte was analyzed for but not detected above the reported estimated quantitation limit or sample detection limit.

[b] J- = The analyte was positively identified, and the result is likely biased low.

[c] UJ = The analyte was analyzed for but not detected. The associated value is an estimate.

[d] PM = Manual review of the data is recommended to determine if defect impacts data use.

[e] A = Absent.

[f] J+ = The analyte was positively identified, and the result is likely biased high.

[g] P = Use professional judgement based on data use.

[h] J = The reported value is an estimated quantity.

Table C-5.0-5
Data Quality Evaluation for PRS 16-021(c)
Phase II Investigation Data

Sample ID	Suite	Request Number	Sample Matrix	Quality Assessment
0236-97-0015 to -0016	VOCs	2998	Water	Acetone was present in the blank and the samples. Acetone was U[a]-qualified as a result. All data is useable with qualification.
0236-97-0015 to -0016	High Explosives	3000	Water	Detection limits were elevated for 2-ADNT and 2,4-DNT, although no baseline validation qualifier was applied to the data. All data are useable without qualification.
0236-97-0015 to -0016	Isotopic Uranium	3001	Water	There was not enough sample to allow a duplicate of these results and these results were A[b]-qualified. However, the blank spike and tracer recovery results were acceptable. The data are qualified based on insufficient duplicate results. The detection limit of the blank sample was used instead of the MDA to determine detect status. Data are U-qualified on this basis. All data are useable with qualification.

Table C-5.0-5 (continued)

Sample ID	Suite	Request Number	Sample Matrix	Quality Assessment
0316-97-0409 -10, 0412 -13	Inorganic Chemicals	3743R	Solid	The difference between the results of the sample and duplicate were outside the acceptable value of 20% for aluminum, iron, lead, manganese, and zinc. The spike recovery for antimony (43%), arsenic (65%), lead (67%), and manganese (44%) . Aluminum, iron, and zinc are J-[c]qualified. Antimony is UJ[d]-qualified. Arsenic, lead, and manganese are qualified as J-[e]. All data are useable with qualification.
0316-97-0401 -2	VOCs	3767R	Solid	Methylene chloride was present in the laboratory blank and in the sample. The amount in the samples was less than 10x the amount in the blank and therefore methylene chloride is U-qualified. Samples exceeded the 14 day holding time by 6 days and data were PM[f]-qualified. Data are J-qualified. All data are useable with qualification.
0316-97-0401 - 2	Inorganic Chemicals	3768R	Solid	The spike recovery for magnesium was below the acceptable limit of 75%. Magnesium data are qualified as J-. All data are useable with qualification.
0316-97-0407	Inorganic Chemicals	3798R	Solid	Spike and duplicate analysis for non-cyanide analytes was conducted on sample not associated with this request, but from request 3822R and 3794R. Results were A-qualified. This is acceptable practice and the data are not qualified on this basis.
0316-97-0450, -0451, -0460, -0461	Metals and Nitrates, Nitrites	3999R	Water	Some analytes were A-qualified because the spike and duplicate analysis was conducted on a sample not associated with this request. This is acceptable and does not require qualification of the data. The spike result for selenium was 74%, slightly below the acceptable limit of 75%. Selenium results are UJ-qualified . All data are useable with qualification.
0316-97-0440 to -0444	Inorganic Chemicals	4004R	Water	Spike analysis for cyanide and the general duplicate analysis was conducted on sample 0316-97-0421 not associated with this request. Results were A-qualified and P[g]-qualified. This is acceptable practice and the data are not qualified on this basis. Cyanide spike recovery was 55%, antimony recovery was 43%, selenium recovery was 75%, zinc recovery was 70%, arsenic recovery was 73%. These data are below the 75% limit and are qualified as UJ or J- , depending upon whether they are detected. All data are useable with qualification.
0316-97-0476 to -0477, -0482 to -0483	VOCs	4027R	Water	Samples exceeded the 7 day holding time by 2-5 days and data were PM-qualified. All data are useable without qualification.
0316-97-0476 to -0477, -0482 to -0483	Inorganic Chemicals	4029R	Water	Data were A-qualified because the spike analysis, except for cyanide, and the duplicate analysis, except for selenium, were conducted on samples not associated with this request. The spike and duplicate samples were from request 4026. This practice is acceptable. All spike and duplicate results were acceptable. All results are useable without qualification.
0316-97-0479 to -0480, -0485 to -0486	VOCs	4030R	Water	Samples exceeded the 7 day holding time by 4 days and data were PM-qualified. All data are useable without qualification.
0316-97-0479 to -0480, -0485 to -0486	High Explosives	4031R	Water	Spike recovery of nitrobenzene was 57%, less than the acceptable limit of 60% and nitrobenzene results were qualified as J-. All data are useable with qualification.

Table C-5.0-5 (continued)

Sample ID	Suite	Request Number	Sample Matrix	Quality Assessment
0316-97-0479 to -0480, -0485 to -0486	Inorganic Chemicals	4032R	Water	Data were A-qualified because the spike analysis, except for cyanide, and the duplicate analysis, except for selenium, were conducted on samples not associated with this request. The spike and duplicate samples were from request 4026. This practice is acceptable. All spike and duplicate results were acceptable. All results are useable without qualification.
0316-97-0445 to -0449, -0458, -0459	High Explosives	4044R	Solid	Two samples exceeded holding times by 1 day and were PM-qualified. All data are useable without qualification.
0316-97-0445 to -0449, -0458, -0459	Inorganic Chemicals	4045R	Solid	Spike recovery for soil was 56% for antimony. Antimony results in soil UJ-qualified. Duplicate results for soil samples were aluminum 25% RPD, lead 56% RPD, manganese 39% RPD. These results were P-qualified. Aluminum is within the acceptable 20-35% and does not require qualification. The remaining two elements are J-qualified. All data are useable with qualification.
0316-97-0455, -0465	Inorganic Chemicals	4045R	Water	Spike recovery for water was 20% for antimony and 75% for thallium. Antimony results in water are rejected. Thallium results are not qualified. Duplicate results for soil samples were aluminum 25% RPD, lead 56% RPD, manganese 39% RPD. These results were P-qualified. Aluminum is within the acceptable 20-35% and does not require qualification. The remaining two elements are J-qualified. All data are useable with qualification.
0316-97-0470 to -0475	VOCs	4076R	Solid	Methylene chloride was present in the laboratory blank and in the sample. The amount in the samples was less than 10x the amount in the blank and therefore methylene chloride is U-qualified. Acetone was detected in sample 0316-97-0473 and blank and acetone is U qualified in that sample. Surrogate recoveries for sample 0316-97-0475 and 0316-97-0475RE ranged from 122-162%, above the acceptable upper limits for surrogates of 117-121%. The detected compounds in these samples are $J+^{n}$ qualified. Samples 0316-97-0471, -0472, -0475, -0475RE, and -0472RE had one internal standard that was lower than the acceptable 50% limit. Detected compounds in these samples were J,PM-qualified and non-detected compounds were UJ-qualified. Samples 0316-97-0471, -0475, and –0472 should be UJ- or J-qualified. Sample 0316-97-0472RE and -0475RE are rejected. Remaining samples are unqualified. All non-rejected data is useable.
0316-97-0470 to -0475	Inorganic Chemicals	4078R	Solid	Spike recovery of antimony was 74% less than the acceptable limit of 75%. Antimony data was UJ-qualified. Duplicate recovery of manganese was 78% outside the acceptable limit of 20-35%. These data were P-qualified and are qualified as estimated. All data are useable with qualification.
0316-97-3000, -3001, -3003, -3004, -3006, -3007	VOCs	3017R	Water	Samples exceeded the 7 day holding time by one day. The data were PM-qualified. All data are useable without qualification.
0316-97-3012 to 3013, -3016 to -3017, -3020 to -3021	SVOCs	3293R	Water	Sample results associated with sample 0316-97-3016 are qualified as RPM due to very low recovery results of one surrogate. These results are rejected. All remaining results are useable without qualification.

Table C-5.0-5 (continued)

Sample ID	Suite	Request Number	Sample Matrix	Quality Assessment
0316-97-3012 to 3013, -3016 to -3017, -3020 to -3021	VOCs	3293R	Water	Acetone was present in the laboratory blank and in the sample. The amount in the samples was less than 10x the amount in the blank and therefore acetone is U-qualified. Both samples exceeded the 7 day holding period by 3 days. All data were PM-qualified as a result. All data are unqualified except for acetone described above. All data are useable with qualification.
0316-97-3028 to -3029	VOCs	3400R	Water	Acetone was present in the sample and the laboratory blank. Levels of acetone in the sample were less than 10x the levels in the blank and therefore acetone was qualified as undetected. Sample 0316-97-3028 missed the 7 day holding period by 4 days and sample 0316-97-3029 exceeded the 7 day holding period by 7 days. All data were PM-qualified as a result. All data are useable without qualification except for acetone qualified as U above.
0316-97-3032	SVOCs	3574R	Water	Bis(2-ethylhexyl)phthalate was present in the sample and the laboratory blank. Levels of bis(2-ethylhexyl)phthalate in the sample were less than 10x the levels in the blank and therefore is qualified as undetected. All data are useable with qualification.
0316-97-3032	VOCs	3574R	Water	Acetone and methylene chloride were present in the sample and the laboratory blank. Levels of methylene chloride and acetone in the sample were less than 10x the levels in the blank and therefore these chemicals are qualified as undetected. All data are useable with qualification.
0316-97-3032	Inorganic Chemicals	3576R	Water	A solid duplicate and spike was used for all analytes except mercury. These analytes were A-qualified. Duplicate recovery results for the following elements were outside of acceptable limits of 20%; chromium (62%), copper (141%), manganese (105%), and zinc(48%). These data were P-qualified and are estimated. All data are useable with qualification.
0316-97-3111	High Explosives	3748R	Water	Trinitrobenzene, TNT, and 2,4-DNT were qualified as J- because these compounds were recovered at 41%, 48%, 59% respectively, less than the acceptable limit of 60% in the LCS. All data are useable with qualification.
0316-97-3111	Inorganic Chemicals	3749R	Water	Boron and silicon results were not validated. The spike analysis and duplicate analysis was run on a sample associated with request number 3746 (described above). As described above, antimony and selenium were qualified as UJ and lead and zinc were qualified as estimated. All data are useable with qualification.
0316-97-0404	VOCs	3908R	Solid	Methylene chloride was present in the blank and in the samples. Detected methylene chloride results were U-qualified because the amounts in the sample were less than 10x the amount in the blank. All data are useable with qualification.
0316-97-0404	High Explosives	3909R	Solid	The recovery of high explosives from the laboratory control standard exceeded the acceptable limit of 120%. All HE data, except for tetryl, was qualified as J+. However, no HE was detected in the sample despite the bias in the positive direction. This data is usable with qualification.

Table C-5.0-5 (continued)

Sample ID	Suite	Request Number	Sample Matrix	Quality Assessment
0316-97-0404	Inorganic Chemicals	3910R	Solid	The data were A-qualified because the spike duplicate analysis was conducted on a sample not associated with this request, but with request 3886R. This practice is acceptable. All data are useable without qualification.
0316-96-3000 to -3001	SVOCs	2843	Water	Bis (2-ethylhexyl) phthalate was present in the sample and blank. This phthalate was U-qualified in sample 0316-97-3001 as a result. RDX was detected as a TIC in sample 0316-97-3001 at 2 ppm. This value was J-qualified. Sample 0316-97-3002 was analyzed twice and the results indicated that the sample was not properly extracted. Insufficient sample remained to repeat the extraction. All data associated with this sample are rejected. All remaining data are useable with qualification.
0316-96-3000 to -3002	VOCs	2843	Water	Samples exceeded the 7 day holding time by 6 days. The data were PM-qualified. All data are useable without qualification.
0316-96-3000 to -3002	Inorganic Chemicals	2844	Water	The spike and duplicate analysis for cyanide could not be done due to insufficient sample. The mercury spike result was incorrectly calculated and could not be corrected due to insufficient information. However, all remaining QA/QC parameters are in control. All data are useable without qualification.
0316-97-3101 to -3109	VOCs	3744R	Water	The 7 day holding time for all water samples was exceeded by 7 days. All data were PM-qualified. All data are useable without qualification.
0316-97-3101 to -3109	High Explosives	3745R	Water	Sample 0316-97-3104 had an unacceptably low surrogate recovery and was reanalyzed. The reanalyzed sample was 17 days outside of the 7 day holding time at the time of reanalysis. However, the reanalyzed results had acceptable surrogate recovery. The sample results associated with sample 0316-97-3104 are rejected. The reanalyzed sample results are useable with qualification as estimated with a low bias. All remaining data are useable without qualification.
0316-97-3101 to -3109	Inorganic Chemicals	3746R	Water	Boron and silicon results were not validated. Antimony and selenium had spike recoveries of 52% and 69%, less than the acceptable limit of 75%. These data were qualified as UJ. The duplicate results for lead and zinc were 97% and 52% respectively, well outside the acceptable limit of 20%. These data were P-qualified and are qualified as estimated. All data are useable with qualification.
0316-97-3111	VOCs	3747R	Water	All samples exceeded the 7 day holding time by 7 days. All data is PM-qualified. All data are useable without qualification.
0316-97-3111	High Explosives	3748R	Water	Trinitrobenzene, TNT, and 2,4-DNT were qualified as J- because these compounds were recovered at 41%, 48%, 59% respectively, less than the acceptable limit of 60% in the LCS. All data are useable with qualification.
0316-97-3111	Inorganic Chemicals	3749R	Water	Boron and silicon results were not validated. The spike analysis and duplicate analysis was run on a sample associated with request number 3746 (described above). As described above, antimony and selenium were qualified as UJ and lead and zinc were qualified as estimated. All data are useable with qualification.

Table C-5.0-5 (continued)

Sample ID	Suite	Request Number	Sample Matrix	Quality Assessment
0316-97-0415 to -0416	SVOCs	3875R	Solid	Sample 0316-97-0415 exceeded the 14 day holding time by 13 days and sample 0316-97-0416 exceeded the holding time by 7 days. The data were PM-qualified. All data are rejected.
0316-97-0415 to -0416	VOCs	3875R	Solid	Sample 0316-97-0415 exceeded the 14 day holding time by 13 days and sample 0316-97-0416 exceeded the holding time by 7 days. The data were PM-qualified. Methylene chloride, dichlorofluoromethane, and acetone were present in the blank. Methylene chloride and dichlorofluoromethane were U-qualified but acetone should be considered present at the given concentration. Acetone is qualified as J-. All remaining data is rejected.
0316-97-0415 to -0416	High Explosives	3876R	Solid	Sample 0316-97-0415 exceeded the 14 day holding time by 12 days and sample 0316-97-0416 exceeded the holding time by 6 days. The data were PM-qualified. All data are rejected.
0316-97-0415 to -0416	Inorganic Chemicals	3877R	Solid	The spike and duplicate analysis were conducted on a LANL sample not associated with this request. Data were A-qualified. This is acceptable and requires no qualifier. No spike or duplicate analysis was conducted on CN data. No cyanide was detected. Spike recovery for antimony was 74% just below the acceptable limit of 75% and results were UJ-qualified. Silver had an unacceptably poor spike recovery and silver results were rejected. The RPD for zinc, silver, iron, aluminum, chromium, and copper were 41%-51%, outside the acceptable limit of 20%-35%. The data were P-qualified and are qualified as considered estimated. All data are useable with qualification.
0316-97-0421 to -0422	High Explosives	4006R	Solid	Sample 0316-97-0421 exceeded the 14 day holding time for extraction by 4 days. All data are useable without qualification.
0316-97-0421 to -0422	Inorganic Chemicals	4007R	Solid	Samples were A-qualified because the spike analysis was conducted on sample 0316-97-0444 and the cyanide duplicate analysis was conducted on sample 0316-97-0440, both of which are not associated with this request number. This is acceptable and data should not be qualified because of this. The spike recoveries for cyanide (55%), antimony (43%), arsenic (73%), zinc (70%) and selenium (75%) were below the acceptable limit of 75 %. The first four elements are J-qualified or UJ-qualified. Selenium is not qualified. All data are useable with qualification.
0316-98-0427 to -0428	SVOCs	4008R	Water	The samples exceeded the 7 day holding time by 64 days and the data were PM-qualified. These data are rejected.
0316-98-0427 to -0428	VOCs	4008R	Water	The samples exceeded the 14 day holding time for extraction by 53 days and the data were PM-qualified. These data are rejected.
0316-98-0427 to -0428	High Explosives	4009R	Water	The samples exceeded the 14 day holding time for extraction by 57 days . The data were PM-qualified. These data are rejected.

Table C-5.0-5 (continued)

Sample ID	Suite	Request Number	Sample Matrix	Quality Assessment
0316-98-0427 to -0428	Inorganic Chemicals	4010R	Water	Sample 0316-98-0427 is rejected due to large amounts of clay in the water sample causing interference in the analytical results. Spike analysis and duplicate analysis (excluding lead and thallium) was conducted on a sample from request 4026R. Data were A-qualified. This is acceptable and data should not be qualified on this basis. Spike recovery results for selenium were approximately 65%, below the 75% limit. Selenium data are qualified as J- or UJ. Sample missed the 28 day holding time for mercury by 53 days. Mercury data are PM-qualified and are rejected. All remaining data are useable with qualification.
0316-97-3185 through -3192	VOCs	4024R	Water	All samples exceeded the 7-day holding time by 5-7 days. All data is PM-qualified. All data are useable without qualification.
0316-97-3185 through -3192	Inorganic Chemicals	4026R	Water	Spike analysis for cyanide was conducted on sample 0316-97-0427. Duplicate analysis for lead and thallium was conducted on a sample from request 4010R. Data were A-qualified. This is acceptable and data should not be qualified on this basis. Spike recovery results for selenium were approximately 65%, below the 75% limit. Selenium data are qualified as UJ. All data are useable with qualification.
0316-98-0424	VOCs	4052R	Solid	Methylene chloride and trichloroflurometh ane were present in the blank and in the samples. Detected results were U-qualified because the amounts in the sample were less than 10x the amount in the blank. All data are useable with qualification.
0316-98-0424	Inorganic Chemicals	4053R	Solid	The spike recovery for mercury was 70%. All mercury results are UJ-qualified. All data are useable with qualification.
0316-98-0425	Inorganic Chemicals	4068R	Solid	The duplicate recovery for manganese was 24% and manganese was P-qualified. This is within the acceptable limit of 20-35% and does not require qualification. The spike recovery for manganese was 169%, above the acceptable limit of 125%. manganese results are qualified as J+. Spike recovery for mercury was 24%, below the acceptable limit of 30% and mercury results are rejected. All non-rejected data are useable with qualification.
0316-98-0418	VOCs	4091R	Solid	Methylene chloride and acetone were present in the blank and in the samples. Detected methylene chloride and acetone results were U-qualified because the amounts in the sample were less than 10x the amount in the blank. All data are useable with qualification.
0316-98-0418	Inorganic Chemicals	4093R	Solid	Data was A-qualified because the spike and duplicate analysis was conducted on sample 0316-98-0140 not associated with this request. Duplicate recovery for calcium (24%) and copper (28%) was within the acceptable range of 20-35% and are not qualified on this basis. Duplicate recovery for manganese (49%) and zinc (97%) were outside this acceptable range and were P-qualified. These values are qualified as estimated. Spike recovery results for copper were 140%, above the acceptable limit of 125% and copper results are qualified as J+. Spike recovery for mercury (39%) and silver (72%) were below the acceptable limit of 75% and these data were UJ-qualified. All data are useable with qualification.

Table C-5.0-5 (concluded)

Sample ID	Suite	Request Number	Sample Matrix	Quality Assessment
0316-98-0419	Inorganic Chemicals	4154R	Solid	Duplicate recovery for iron and zinc were 39% and 36%, respectively, outside the acceptable 20-35% range. The spike analysis was conducted on sample 0316-98-0146 (request 4157) not associated with this request. The data with A-qualified as a result. The spike recovery results are as follows: antimony (21%), arsenic (36%), barium (34%), beryllium (36%), cadmium (36%), chromium (35%), cobalt (35%), copper (39%), lead (36%), manganese (42%), nickel (35%), selenium (35%), silver (34%), vanadium (33%), zinc (35%). Antimony results are rejected. The remaining results are UJ-qualified. Because of the extremely poor spike results, all data are rejected.

[a] U= The analyte was analyzed for but not detected above the reported estimated quantitation limit or sample detection limit.

[b] A = Absent.

[c] J = The reported value is an estimated quantity.

[d] UJ = The analyte was analyzed for but not detected. The associated value is an estimate.

[e] J- = The analyte was positively identified, and the result is likely biased low.

[f] PM = Manual review of the data is recommended to determine if defect impacts data use.

[g] P = Use professional judgement based on data use.

[h] J+ = The analyte was positively identified, and the result is likely biased high.

APPENDIX D. STATISTICAL AND SCREENING ASSESSMENT CALCULATIONS

D-1.0 STATISTICAL CALCULATIONS AND GRAPHICS

D-1.1 Statistical Background Comparisons

Background data are available for inorganics, uranium, total uranium, and some water quality parameters. Background data sets for soil, sediments, and the Bandelier tuff in the vicinity of Los Alamos have been compiled by the ER Project, and media-specific background values have been calculated for the background distributions which these data represent (Ryti et al. 1998, 58093). The data sets and background values for soil and tuff have been verbally approved by NMED. Approval of the data and background values for sediments is pending.

The ER Project has not yet compiled background data sets for surface or ground waters of the Pajarito Plateau. For ground water, specifically springs, some historical data from offsite springs are available. Most of these data have been published in (Blake et al. 1995, 49931). For surface water, only unpublished data from a pilot project are available (Longmire 1998, 59366). No background values have been calculated based on these limited data sets.

Groundwater Background

Background groundwater samples from five springs that discharge from the Bandelier Tuff and Tschicoma Dacite were used for the statistical background comparisons. These five springs were: Seven, Pine, Apache, Water Canyon Gallery, and Upper Cañon de Valle. A total of 24 samples were used for these comparisons. Analyses are from several sources, both published and unpublished, including Blake et al. (1995, 49931) and reports by the DOE oversight bureau. Most analyses were on filtered samples. Analyses were completed between 1978 and 1996, so analytical methods and detection limits have varied. Background comparisons for spring waters will be refined during future phases of the PRS 16-021(c) CMS using background data currently being collected by the LANL ER Project. A report will be released by September 30, 1999, documenting these ongoing background analyses for springs. All data used for spring and borehole water background comparisons are provided in Appendix I.

Surface Water Background

Background surface water samples that were collected during periods of snow melt, base flow, and thunderstorm events in upper Los Alamos Canyon and upper Pajarito Canyon were used for the statistical background comparisons. A total of 40 samples were used for these comparisons. Both filtered and nonfiltered water samples were collected for chemical and radiochemical analyses. Samples were collected in March, May, July, and August 1997.

These background surface water samples were analyzed for total suspended solids, major ions and trace elements (EES-1), radionuclides (cesium-137, stronium-90, americium-241, plutonium-238, plutonium-239, -240, and uranium isotopes) (Paragon Analytics); PAHs and polychlorinated biphenyls (PCBs) (Kemron); and DOC (Huffman Laboratories). The inorganic analyses performed by EES-1 consisted of inductively coupled plasma emission spectroscopy (ICPES), CVAA, GFAA, IC, and specific ion electrode. The charge balances for the major ion analyses (filtered samples) are better than +/- 10%. The organic

compounds were analyzed by GCMS; the radionuclides were analyzed by alpha spectrometry (actinides), gamma spectroscopy (cesium-137), and gas proportional counting (strontium-90). Anthropogenic organic compounds (PAHs and PCBs) and fallout radionuclides, except for tritium, were not detected in the background surface water samples. All data used for surface water background comparisons are provided in Appendix I.

A report will be released in FY 99 (by September 30, 1999) that details the background surface water chemistry, and will include upcoming water sampling for special low-level analyses for mercury.

D-1.2 Statistical Tests

Where background values are available, a preliminary (nonstatistical) background comparison can be performed by comparing the data from the site samples with these background values. However, because a background value is an upper tolerance limit and not an absolute upper bound for the background distribution, a small fraction of background observations can be expected to exceed the background value. Therefore it is useful to perform additional statistical "two-sample" tests that compare the site data set with the entire background data set. Where background values are not available, statistical "two sample" tests must be performed.

The best-known of such statistical two-sample tests is the Student's t-test. However, this test is based on the assumption that the data sets being compared are drawn from normal distributions, in particular, distributions that are symmetric and without exceptionally long tails or outliers. A non-parametric alternative (that is, an alternative which does not require parametric assumptions such as normality) is the Wilcoxon test, which uses the ranked data. (A ranked data set is one in which the n actual observations have been replaced by their ranks from 1 to n, with some suitable convention for handling ties. By reducing a data set to a set of ranks, the influence of outliers, skewness, and other departures from normality is greatly reduced.) Both the t-test and the Wilcoxon test are discussed by Gilbert (1987, 55617, Chapter 18) and Gilbert and Simpson (1992, Chapter 6, 54952). Both test for a general shift of one distribution with respect to the other. In the case of chemical concentrations, the direction of the shift that is of interest is a shift of the site distribution upward with respect to the background distribution. In the case of pH, however, the possibility of a shift downward is tested.

When, as is frequently the case for environmental data, some of the data are "censored" or reported as below a detection level, and when moreover not all of these detection levels are identical, then the Gehan modification to the Wilcoxon test is useful. This procedure is used for ranking below-detection-level observations together with measured values so that the standard Wilcoxon test can be applied is discussed in detail by Millard and Deverel (1988, 54953).

The result of performing the Wilcoxon test on two data sets (one of which represents background, while the other consists of data from the site) is a test statistic and an associated significance level. The significance level of the test result is the probability that the test statistic would be as large or larger than the calculated value if, in fact, both data sets came from the same distribution (namely, the background distribution). When the significance level is small, this indicates that the two data sets most likely do not come from the same distribution. Traditionally, "small" means less than 0.1 (i.e., such a large test statistic would occur by chance less than one time in ten if the sampled populations were the same) or less than 0.05 (one chance in 20). When the significance level exceeds 0.1, the result is considered to be not statistically significant.

Two other nonparametric tests have been applied in comparing site data with background data sets. Both test for deviations in the upper tail of the site data, which may exist even when the bulk of the data are comparable to the background data.

- The quantile test (Gilbert and Simpson 1992, Chapter 7, 54952) determines whether more of the observations in the top 20% of the joint distribution come from site data set than would be expected by chance, given the relative sizes of the site and background data sets. The quantile test is not applied if more than 80% of the results in the combined data sets are nondetects.

- The slippage test (Gilbert and Simpson 1990, 55612) determines whether more observations from the site data set exceed the maximum background data set than would be expected by chance, again given the relative sizes of the two data sets. The slippage test is not applied if there are no detected values in the background data set.

Although all three of these nonparametric tests (the Wilcoxon, quantile and slippage tests) accomodate nondetected data, the results can be unreliable when the censoring mechanism that produces nondetects is different in the two data sets. This tends to be the case when data come from different laboratories using slightly different procedures, among other possible causes.

D-1.3 Graphical Background Comparisons

In Sections D-1.4, D-1.5, and D-1.6 of this appendix, the results of the Wilcoxon test are presented together with plots of the data sets being compared. Figure D-1.3-1 shows a typical plot. The important features of this plot are:

- The data are grouped into two subsets, a "background" data set and a "site" data set. These subsets are labeled on the horizontal axis. Some of the plots in the following sections include more than two groups. For example, many of the plots in Section D-1.3 show background and site data for both filtered and unfiltered surface water samples, for a total of four groups. Within each group, the points that represent individual observations are spread out laterally to reduce overlap. This random horizontal "jitter" has no significance; it is used strictly to improve the readability of the plot.

- The concentration of an analyte in one sample is represented by the position of its plotting symbol relative to the vertical axis. Concentrations reported above the detection limit are plotted using a plus sign. If the analyte was not detected, then the reported detection limit is plotted with a box. A key is included at the lower right-hand corner of each page of plots in Sections D-1.4, D-1.5, and D-1.6 to remind the reader of this convention for the plotting symbols and also stating the units for the vertical axes.

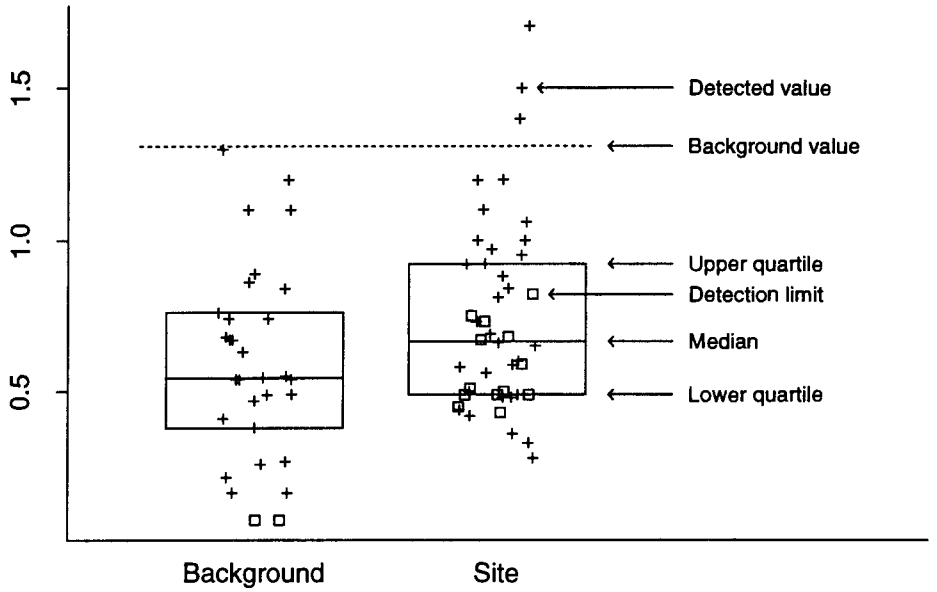


Figure D-1.3-1. Graphical comparison of distributions

- Overlain on the plotting symbols for a given data set is a box enclosing the middle half of the observations. (Occasionally, when the data consist of non-detected values at the same detection limit, this box collapses to a straight line.) A third horizontal line through this box represents the median of the data set. Comparing the boxes for the background and site data provides a quick visual check of the similarity of the central parts of the distributions, although even when these are similar there might be significant differences between the upper quartiles that could indicate contamination of part of the site.

- If a background value has been calculated (that is, for the solid media) then this concentration is shown by a dashed horizontal line.

- The significance levels obtained from the two-sample Wilcoxon tests for the five analytes on a page are printed below the key in the lower right-hand corner of each page. Other test results are presented in tables at the beginning of Sections D-1.4, D-1.5, and D-1.6.

A second method of comparing distributions graphically is used in Figure D-1.3-2. Here the cumulative probability distributions are graphed on the same plot. Figure D-1.3-2 shows three major elements whose distributions in background soils and sediments are substantially different; the cumulative probability distributions for background soils (dotted lines) lie consistently above those for background sediment

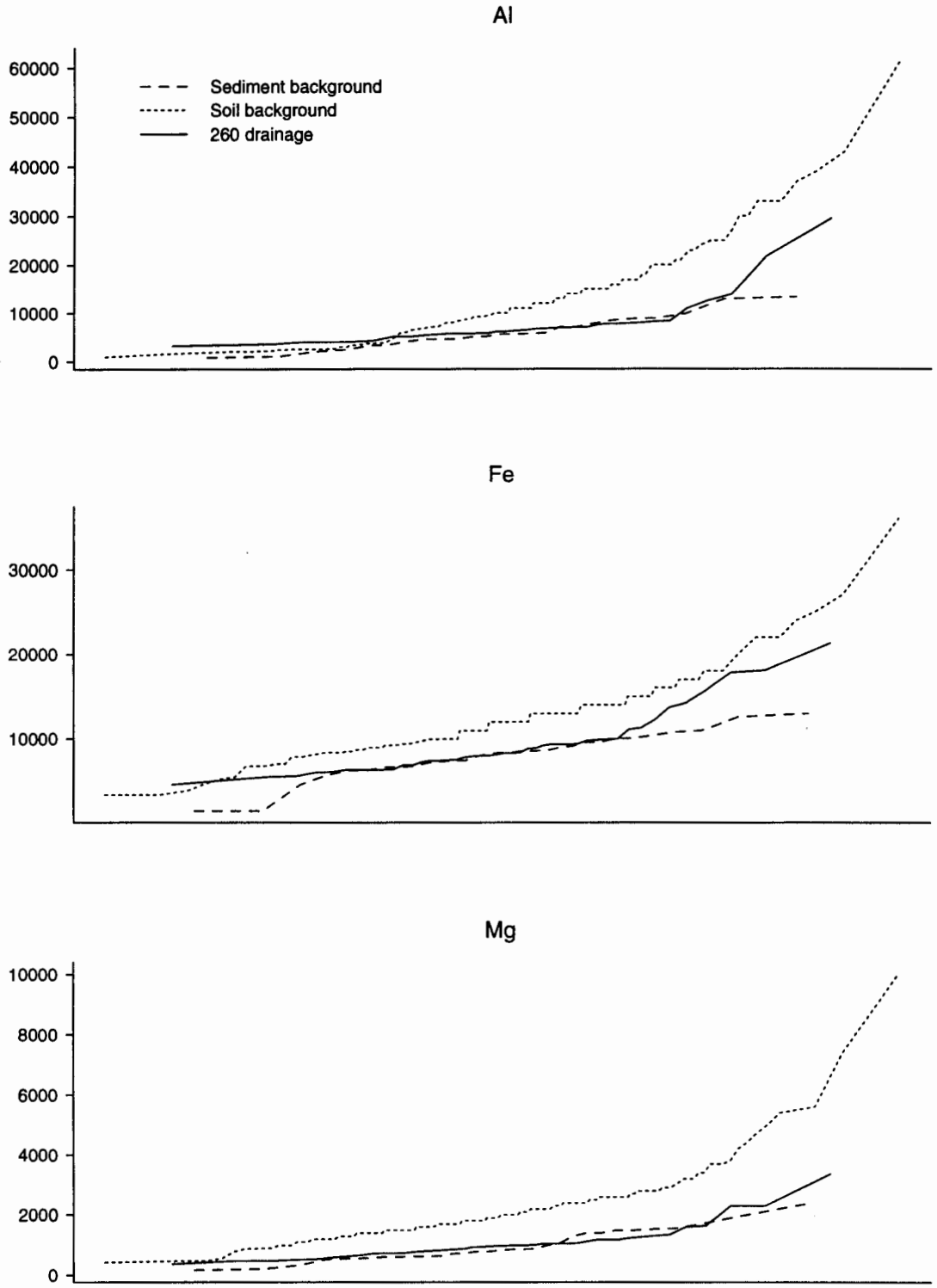


Figure D-1.3-2. Comparison of three major elements in the TA-16-260 outfall drainage sediments with soil and sediment background data

(dashed lines). This plot shows that the distributions of these three elements in drainage sediments from the TA-16-260 outfall (solid lines) are more like the background distributions for sediments than those for soils, apart from departures at the upper ends of the distributions that are discussed further in Section D-1.1.

D-1.4 Statistical Calculations for Source Area Investigation

The first statistical question considered at the source area is the choice of a background data set for the surface and near-surface samples collected in the drainage. Until recently the drainage carried significant flow. The TA-16-260 outfall no longer discharges into this drainage and run-on from precipitation has also been controlled. However, these changes are so recent that significant soil development has not yet occurred in the drainage, so these samples are more likely to resemble sediments. Comparison of these samples to three major elements whose distribution in soils and in sediments are significantly different—aluminum, iron and magnesium—confirms this choice (Figure D-1.3-2).

Figure D-1.3-2 also shows some deviations of the drainage distributions from the background sediment distributions in the upper tail, although all three drainage distribution remain below the soil distribution even in this tail. Figure D-1.4-1 shows scatter plots of these three elements with one another, as well as with a couple of trace elements (further discussed below). These scatter plots, as well as Table D-1.4-1, show that aluminum, iron, magnesium and also beryllium are well-correlated in the drainage sediments, as they are in background soils and sediments (see Ryti et al 1998, 58093). For this reason observations of these four elements above the sediment background value,and even one statistically significant test result for iron (Table D-1.4-2) are not believed to be indicative of releases from the TA-16-260 outfall, but rather of some soil development, particular near the outfall (where discharges were carried by a trough above the ground) and in some of the samples collected away from the centerline of the drainage. Trend plots for the major elements (Figure D-1.4-2) and beryllium (Figure D-1.4-3) provide further confirmation. Comparison of Figures D-1.4-2 and D-1.4-3 with similar plots in Section 2.4.4 shows that these elements do not have the consistent elevation above background down the centerline of the drainage, particularly in the pond, that is characteristic of both the major contaminants (HE and barium) and other released inorganics such as lead, nickel and zinc.

Table D-1.4-2 shows which of the three statistical tests were significant at the 5% level for the various background comparisons that were performed using source area investigation data. Figures D-1.4-4 and D-1.4-5 illustrate these background comparisons for drainage sediment samples and for borehole soil and tuff samples, respectively.

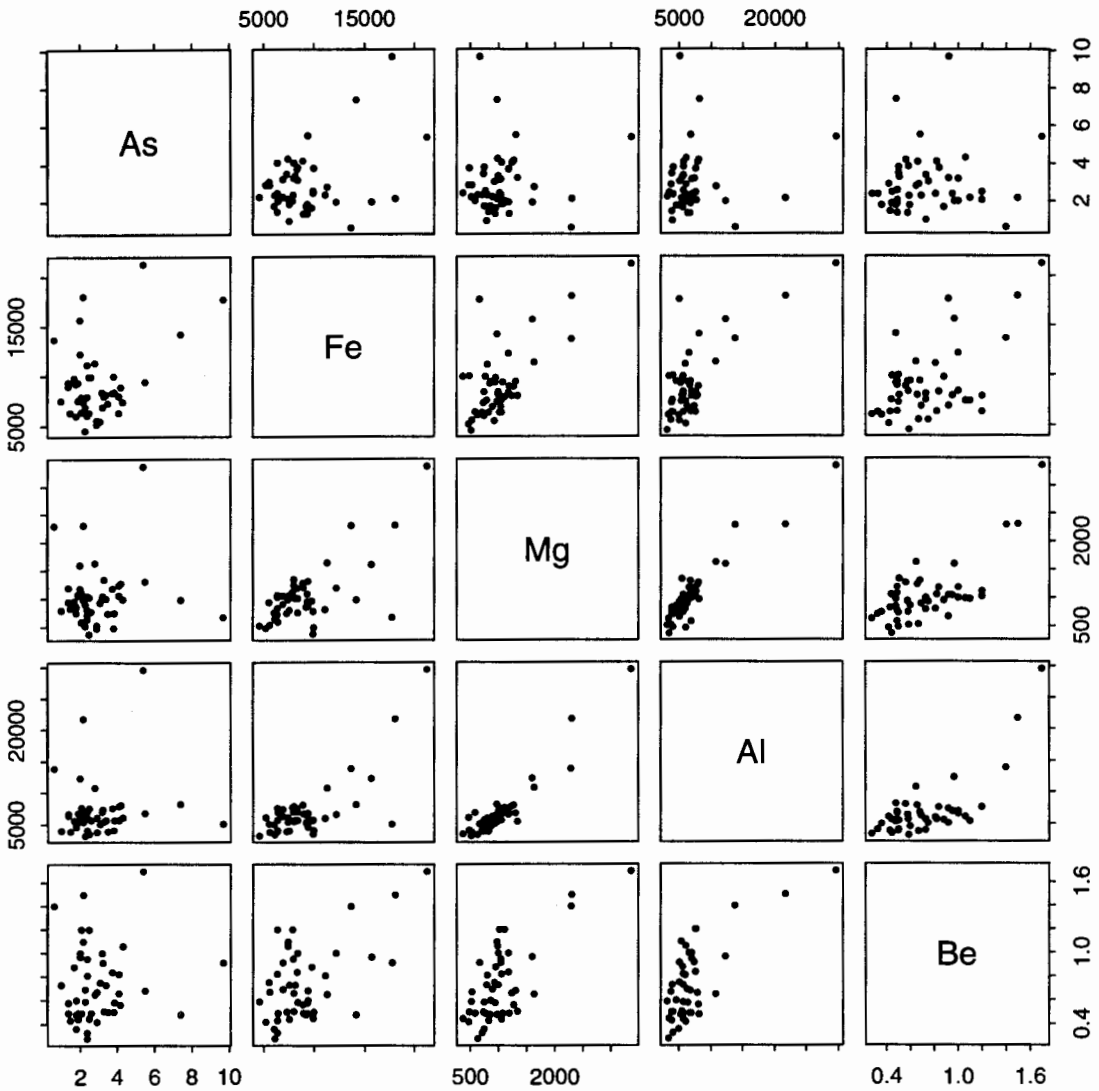


Figure D-1.4-1. Pairwise scatterplots for arsenic, beryllium and three major elements in surface and near-surface drainage sediments

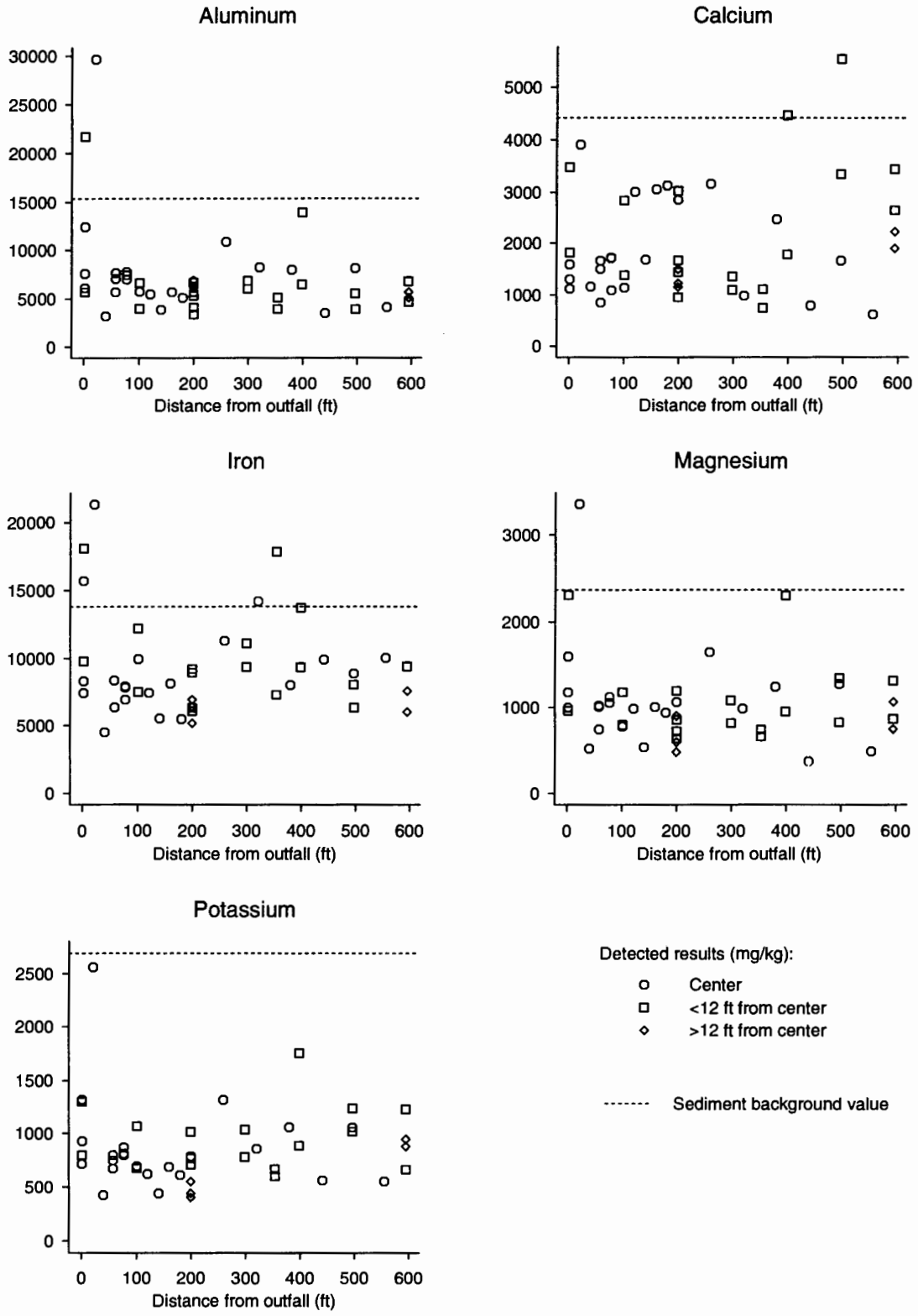


Figure D-1.4-2. Trend plots for some major elements in the TA-16-260 outfall drainage sediments

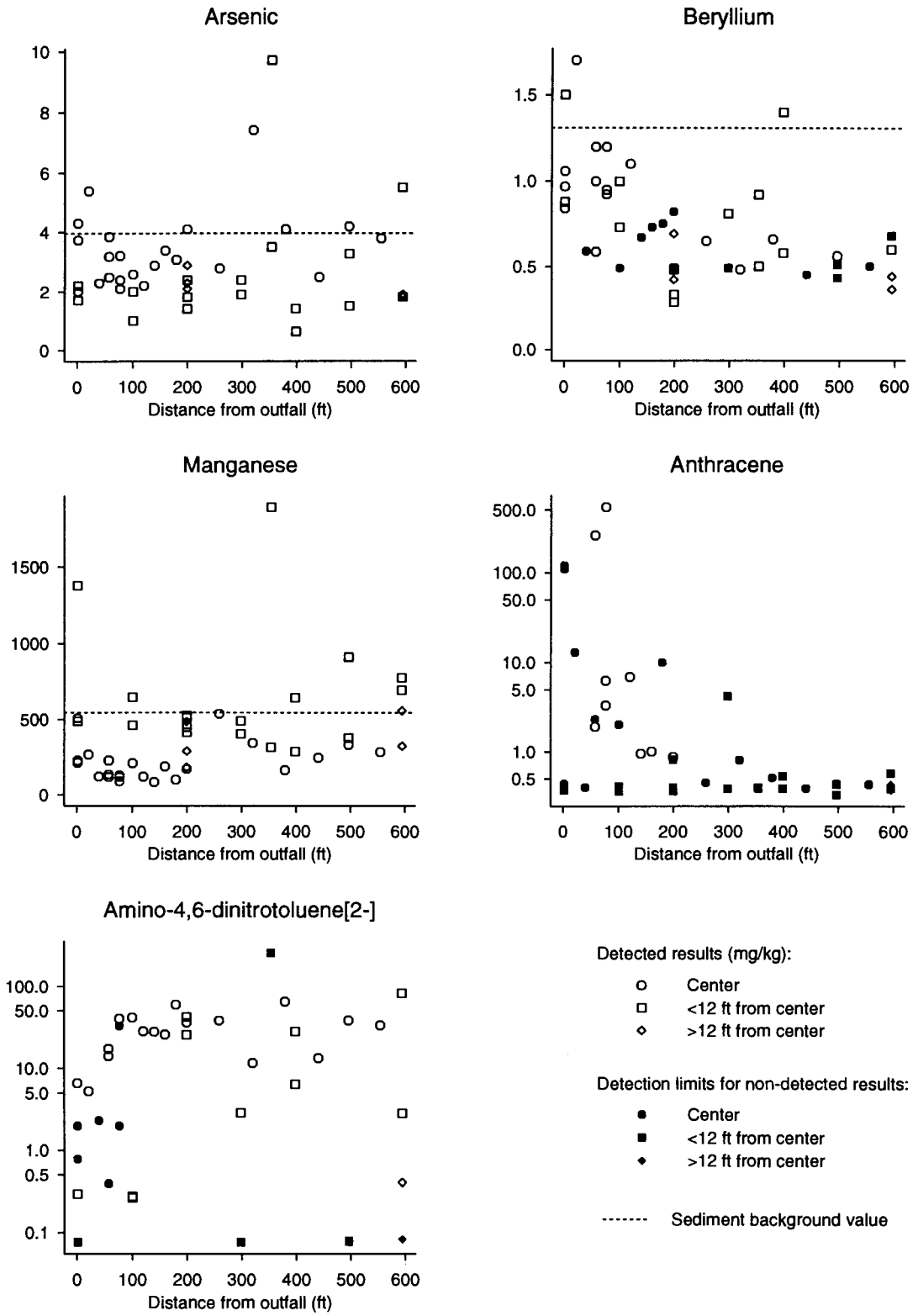


Figure D-1.4-3. Trend plots for some trace elements and organics in the TA-16-260 outfall drainage sediments

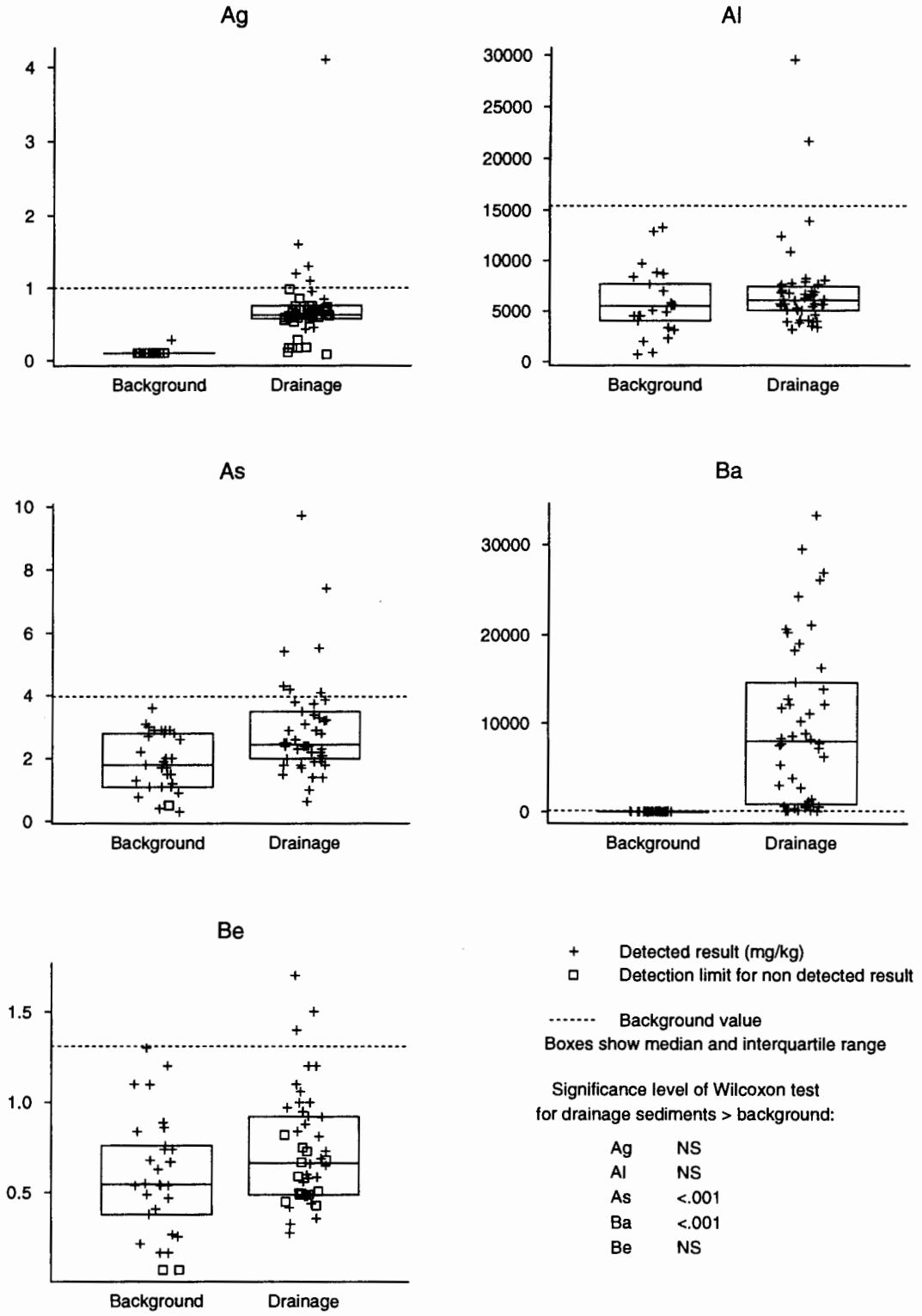


Figure D-1.4-4. Background comparisons for surface and near-surface drainage sediments

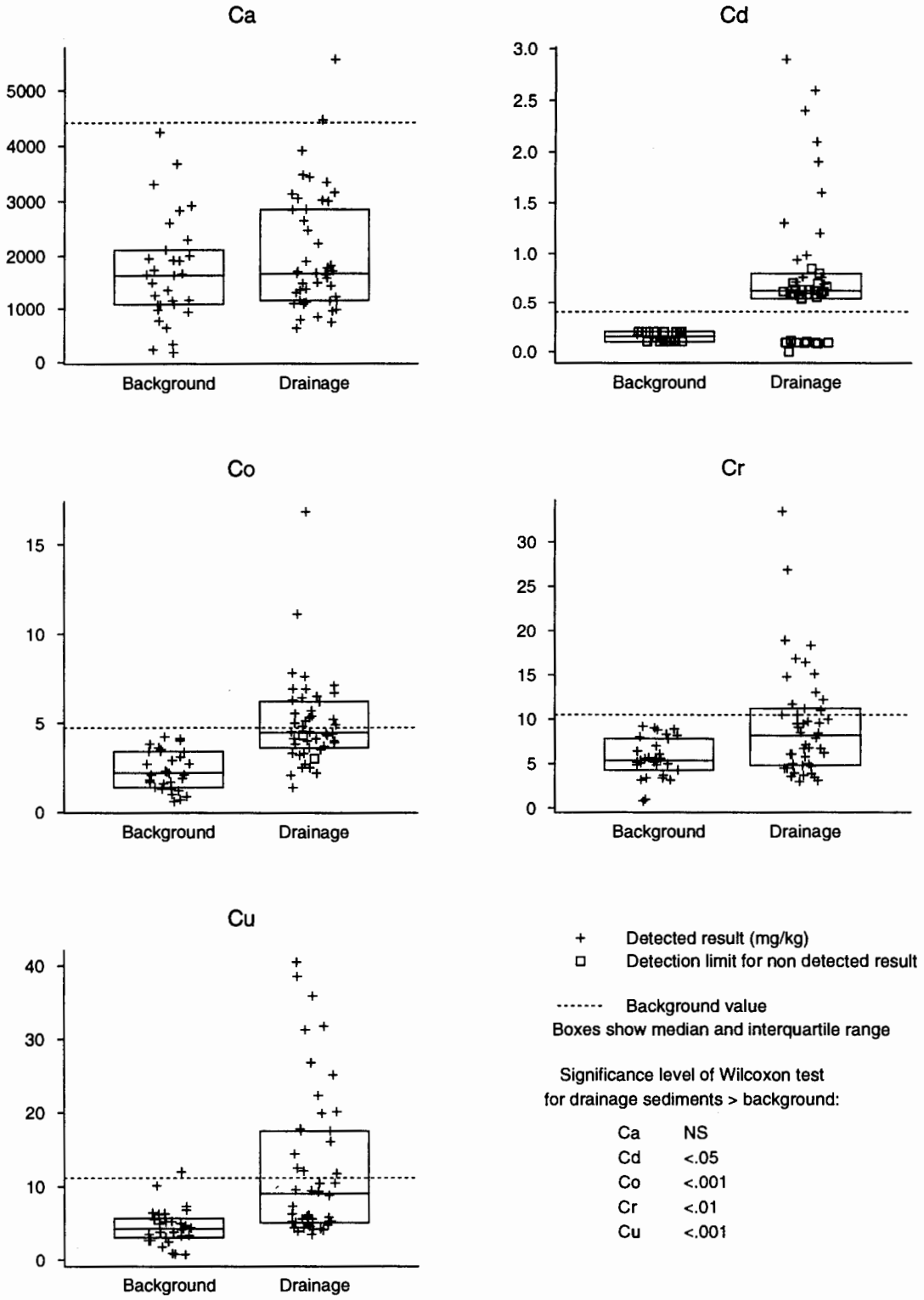


Figure D-1.4-4. Background comparisons for surface and near-surface drainage sediments (continued)

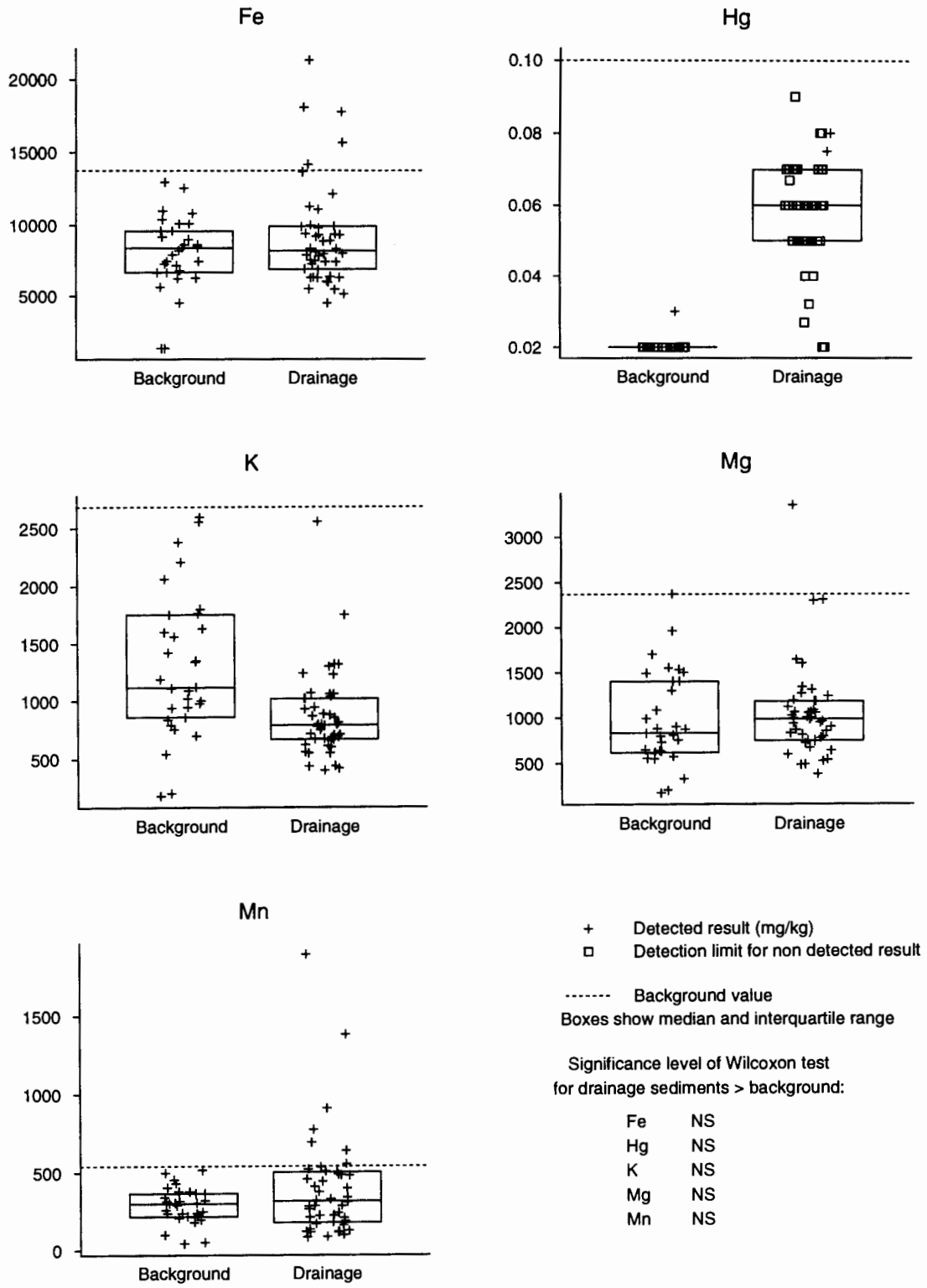


Figure D-1.4-4. Background comparisons for surface and near-surface drainage sediments (continued)

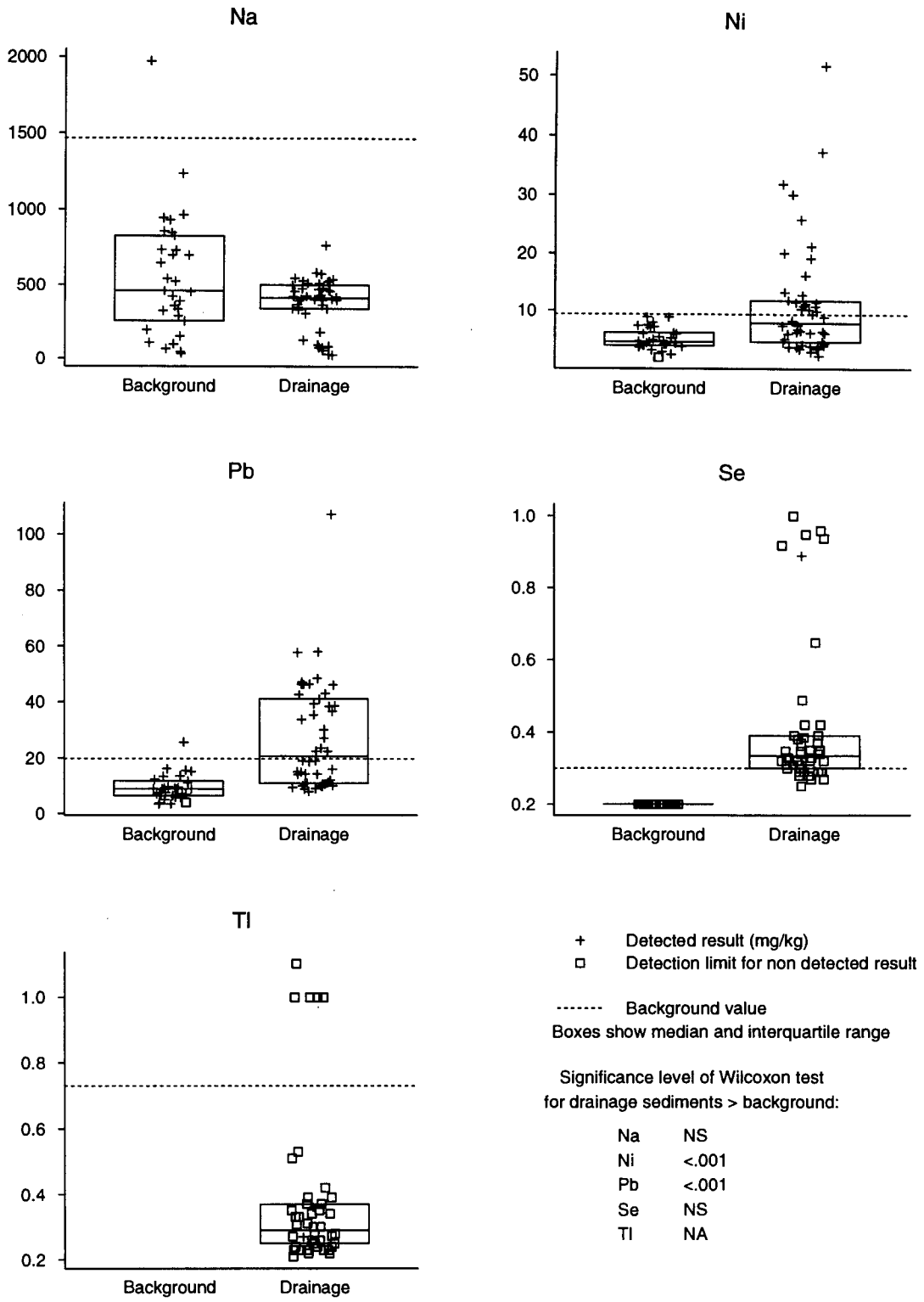
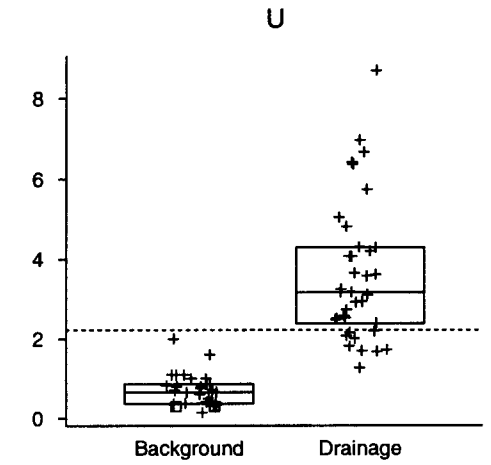
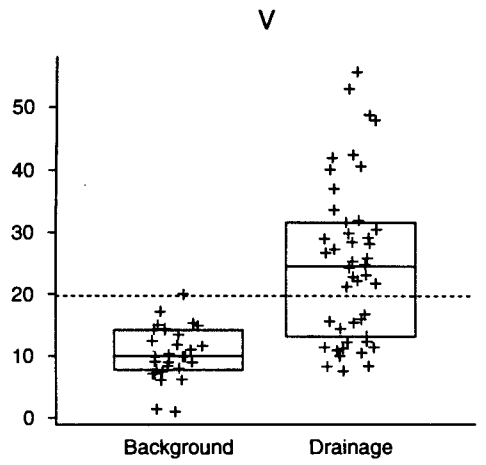
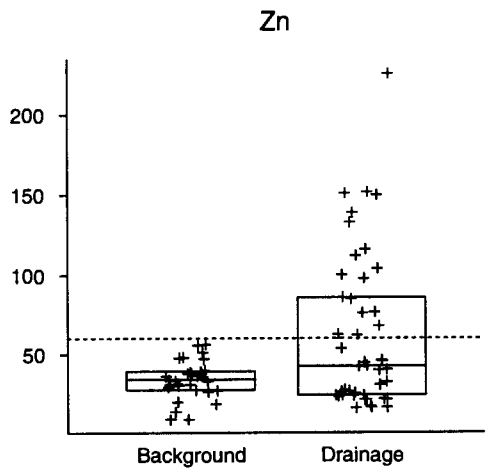


Figure D-1.4-4. Background comparisons for surface and near-surface drainage sediments (continued)







+ Detected result (mg/kg)
□ Detection limit for non detected result

------- Background value
Boxes show median and interquartile range

Significance level of Wilcoxon test
for drainage sediments > background:

U	<.001
V	<.001
Zn	<.05

Figure D-1.4-4. Background comparisons for surface and near-surface drainage sediments (concluded)

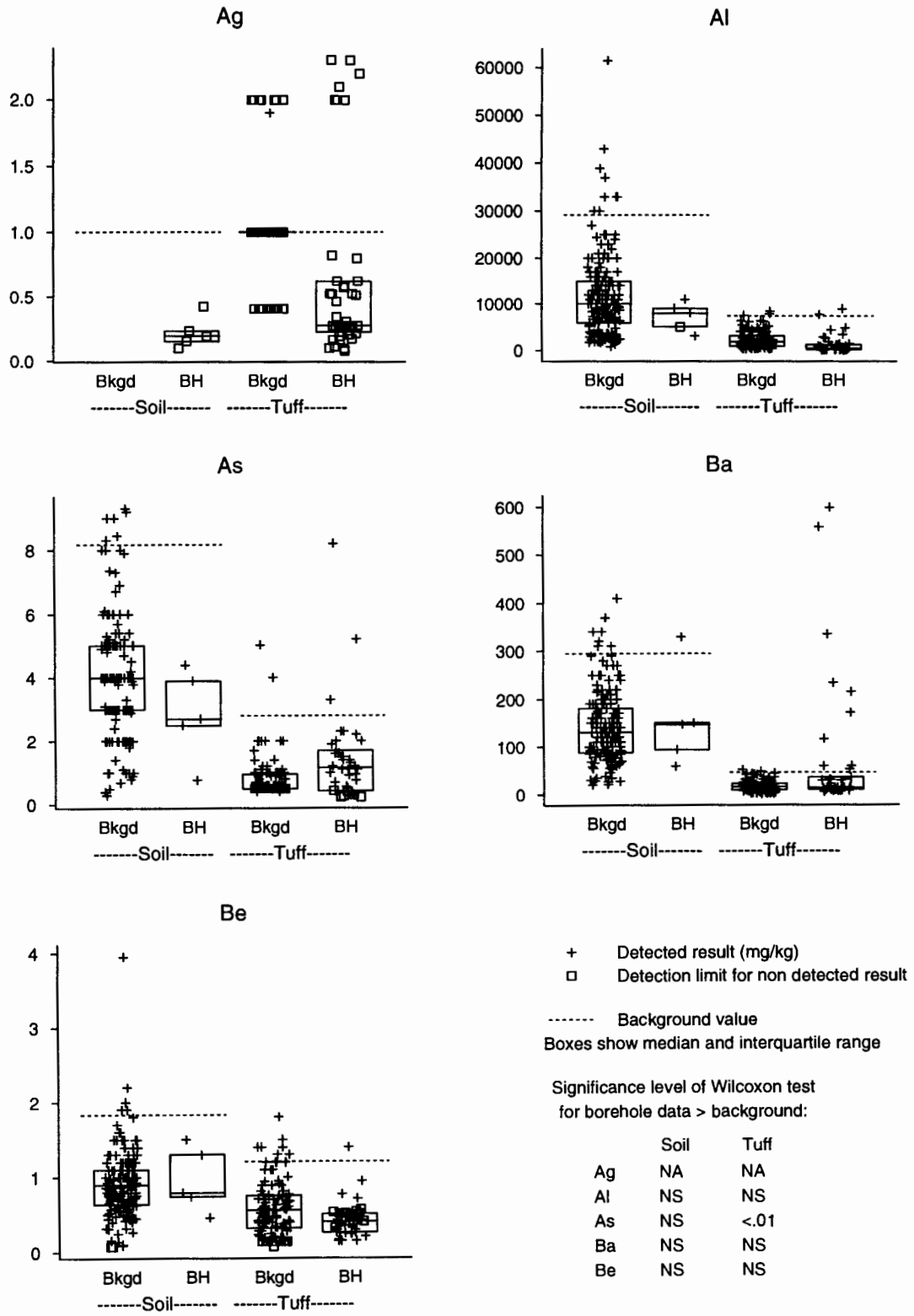


Figure D-1.4-5. Background comparisons for soil and tuff in Phase II boreholes

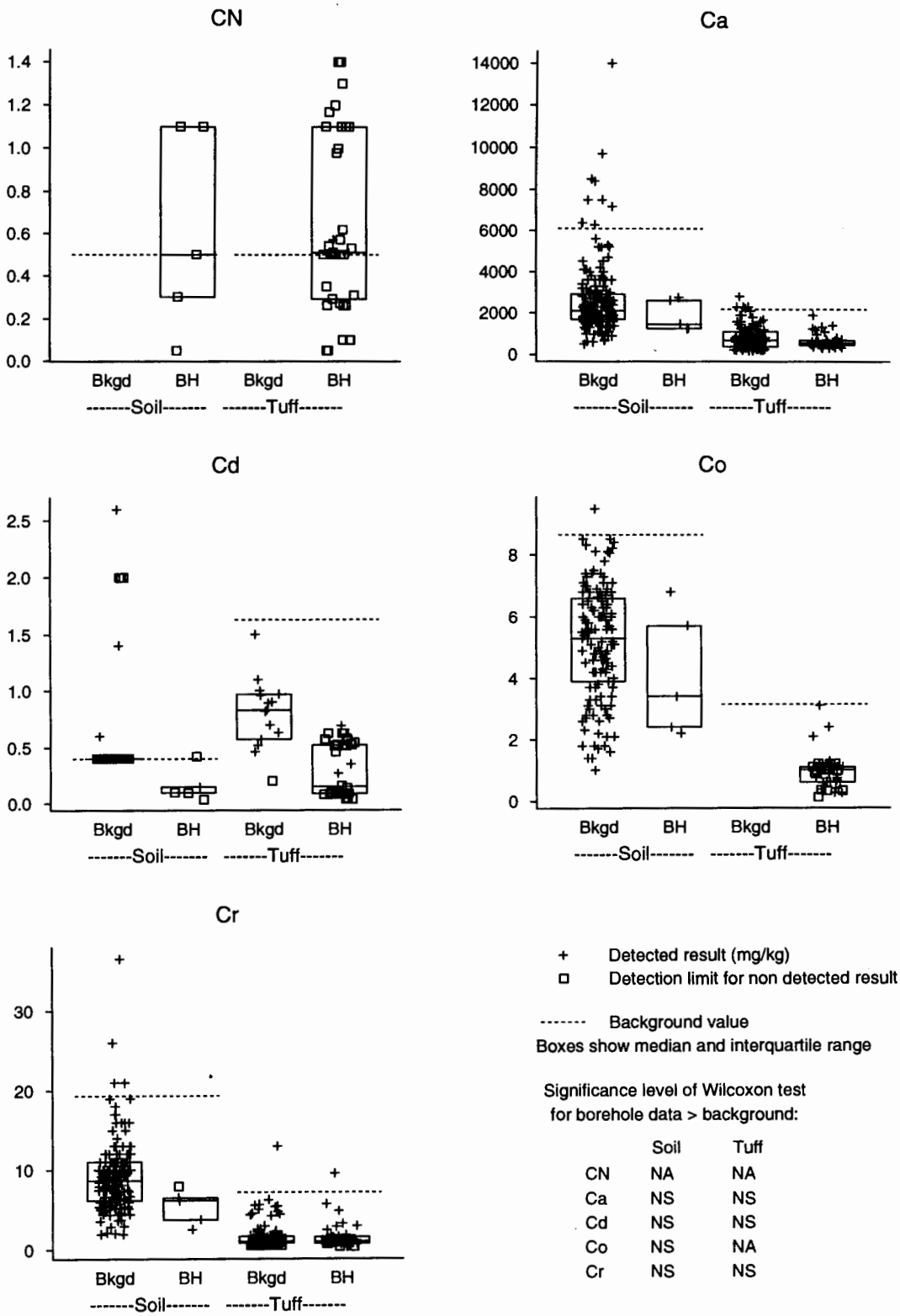


Figure D-1.4-5. Background comparisons for soil and tuff in Phase II boreholes (continued)

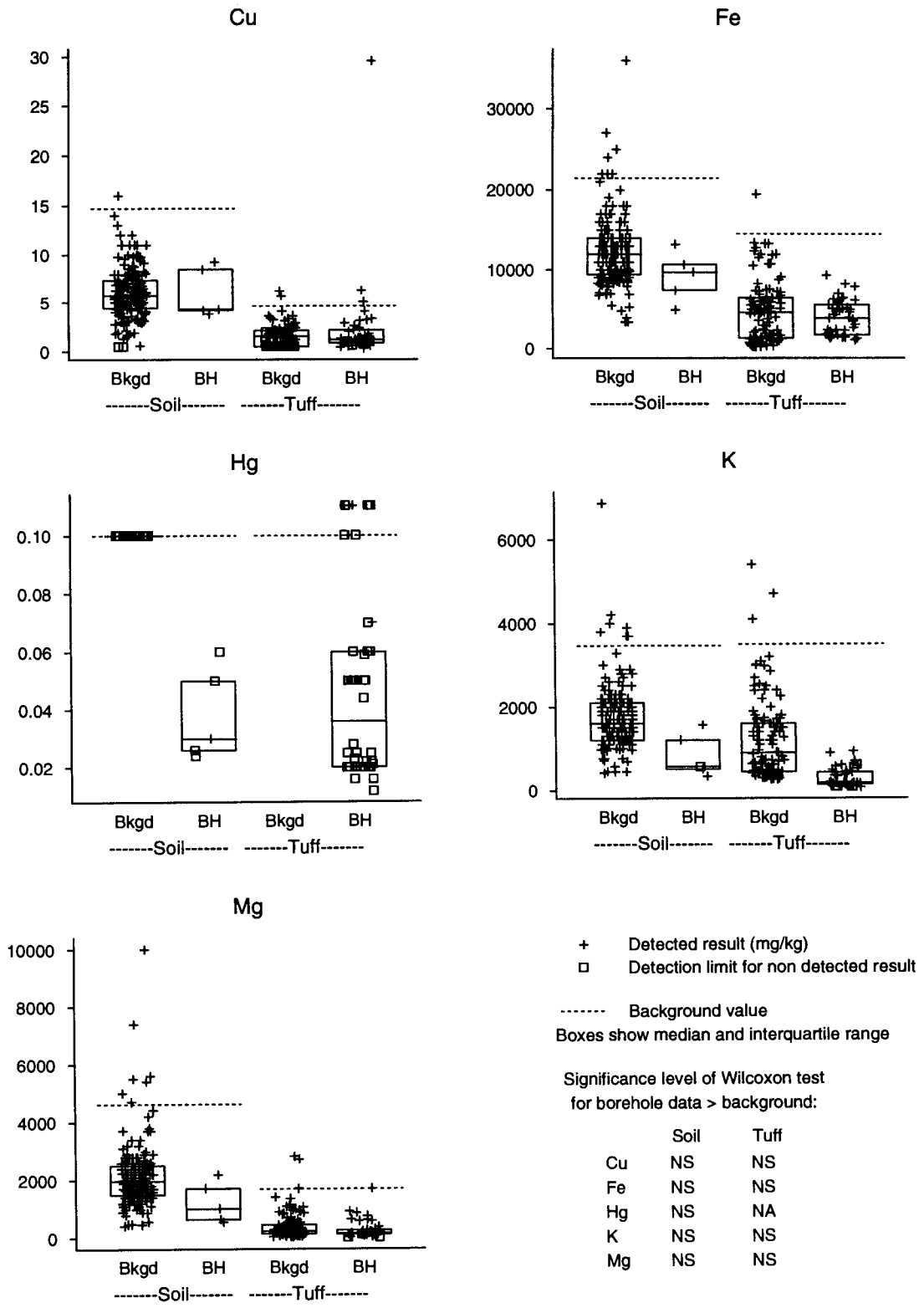


Figure D-1.4-5. Background comparisons for soil and tuff in Phase II boreholes (continued)

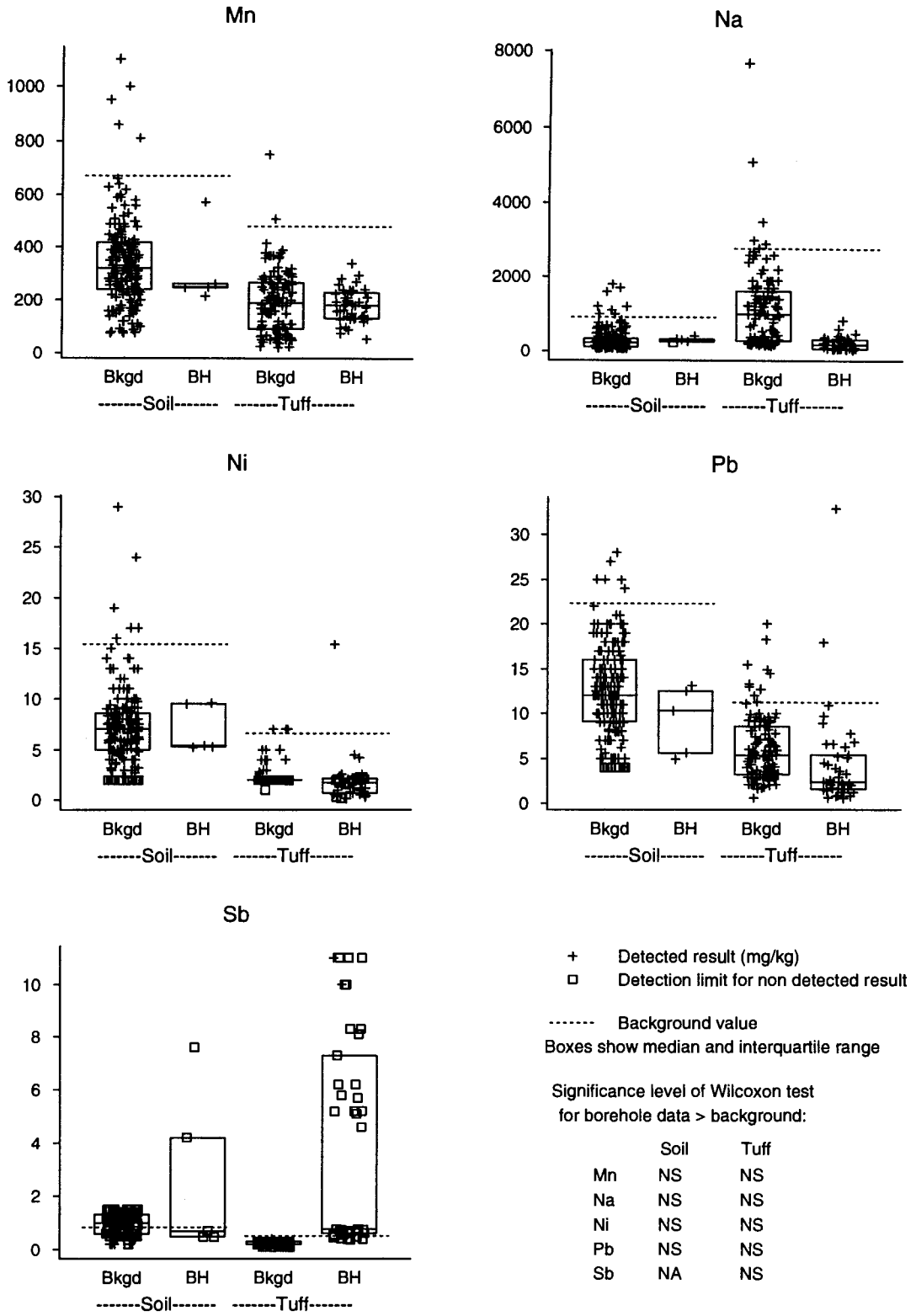
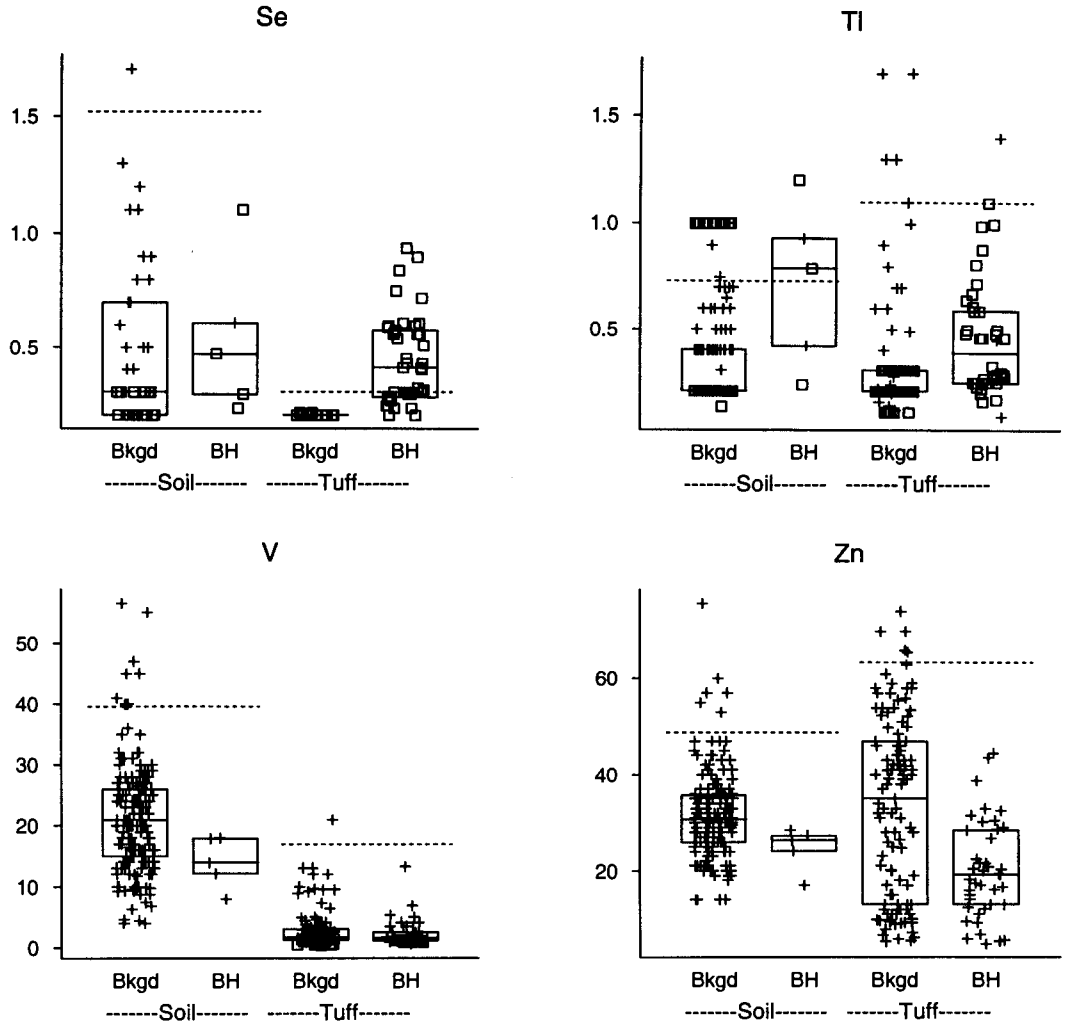


Figure D-1.4-5. Background comparisons for soil and tuff in Phase II boreholes (continued)



+ Detected result (mg/kg)
□ Detection limit for non detected result

------- Background value
Boxes show median and interquartile range

Significance level of Wilcoxon test
for borehole data > background:

	Soil	Tuff
Se	NS	NA
Tl	NS	NS
V	NS	NS
Zn	NS	NS

Figure D-1.4-5. Background comparisons for soil and tuff in Phase II boreholes (concluded)

Table D-1.4-1

Correlations Between Selected Major and Minor Elements in Drainage Sediments

	Ca	K	Mg	Al	Fe	Be	As	Mn
Ca	1.00	0.60	0.62	0.40	0.21	0.32	-0.18	0.15
K	0.60	1.00	0.94	0.83	0.67	0.54	0.05	0.13
Mg	0.62	0.94	1.00	0.93	0.69	0.72	0.05	0.07
Al	0.40	0.83	0.93	1.00	0.75	0.72	0.12	-0.01
Fe	0.21	0.67	0.69	0.75	1.00	0.56	0.38	0.44
Be	0.32	0.54	0.72	0.72	0.56	1.00	0.09	0.01
As	-0.18	0.05	0.05	0.12	0.38	0.09	1.00	0.28
Mn	0.15	0.13	0.07	-0.01	0.44	0.01	0.28	1.00

Table D-1.4-2

Test Results Significant at the 5% Level, Comparing Source Area Data with Background Data[a]

	Drainage Sediment	Borehole Tuff	Borehole Soil
Ag	s	None	None
Al	None	None	None
As	wqs	wq	None
Ba	wqs	s	None
Be	None	None	None
Ca	None	None	None
Cd	wqs	None	None
Co	wqs	None	None
Cr	wqs	None	None
Cu	wqs	None	None
Fe	s	None	None
Hg	s	None	None
K	None	None	None
Mg	None	None	None
Mn	qs	None	None
Na	None	None	None
Ni	wqs	None	None
Pb	wqs	None	None
Sb	None	s	None
Se	None	None	None
Tl	None	None	None
U	wqs	None	None
V	wqs	None	None
Zn	wqs	None	None

[a] w = site significantly different from background (P<0.05) by the Wilcoxon test;
q = site significantly different from background (P<0.05) by the quantile test;
s = site significantly different from background (P<0.05) by the slippage test

D-1.5 Statistical Calculations for Alluvial System Investigation

Table D-1.5-1 shows which of the three statistical tests were significant at the 5% level for the various background comparisons that were performed using alluvial investigation data. Figures D-1.5-1, D-1.5-2, D-1.5-3, and D-1.5-4 illustrate these background comparisons for surface water samples, alluvial water samples, alluvial sediment samples and alluvial tuff samples, respectively.

D-1.6 Statistical Calculations for Subsurface System Investigation

Table D-1.6-1 shows which of the three statistical tests were significant at the 5% level for the various background comparisons that were performed using subsurface investigation data. Figures D-1.6-1 and D-1.6-2 illustrate these background comparisons for spring samples and hydrogeological borehole tuff samples, respectively.

Table D-1.5-1

Test Results Significant at the 5% Level, Comparing Alluvial Data with Background Data[A]

Chemical	Surface Water		Alluvial Water		Sediment	Tuff
	Filtered	Unfiltered	Filtered	Unfiltered		
Ag	None	None	None	None	wqs	None
Al	None	None	None	qs	None	None
Alk	None	None	wqs	wqs	None	None
As	None	None	None	s	None	wq
B	None	None	None	None	None	None
Ba	wqs	wqs	wqs	wqs	wqs	wqs
Be	None	None	None	None	None	None
Br	None	None	None	s	None	None
CN	None	None	None	None	None	None
Ca	wqs	wqs	wqs	wqs	None	None
Cd	s	None	None	None	None	None
Cl	None	wqs	wqs	wqs	None	None
Co	None	None	None	None	wqs	None
Cond	None	None	None	None	None	None
Cr	s	None	None	None	None	wq
Cu	None	None	None	None	wqs	wq
F	None	None	wqs	wqs	None	None
Fe	None	None	None	None	None	None
Hg	w	None	None	None	wqs	None
K	wqs	w	qs	wqs	None	None
Mg	wqs	wqs	ws	wqs	None	None
Mn	wqs	None	wqs	qs	s	None
NO2	w	w	None	None	None	None

Table D-1.5-1 (concluded)

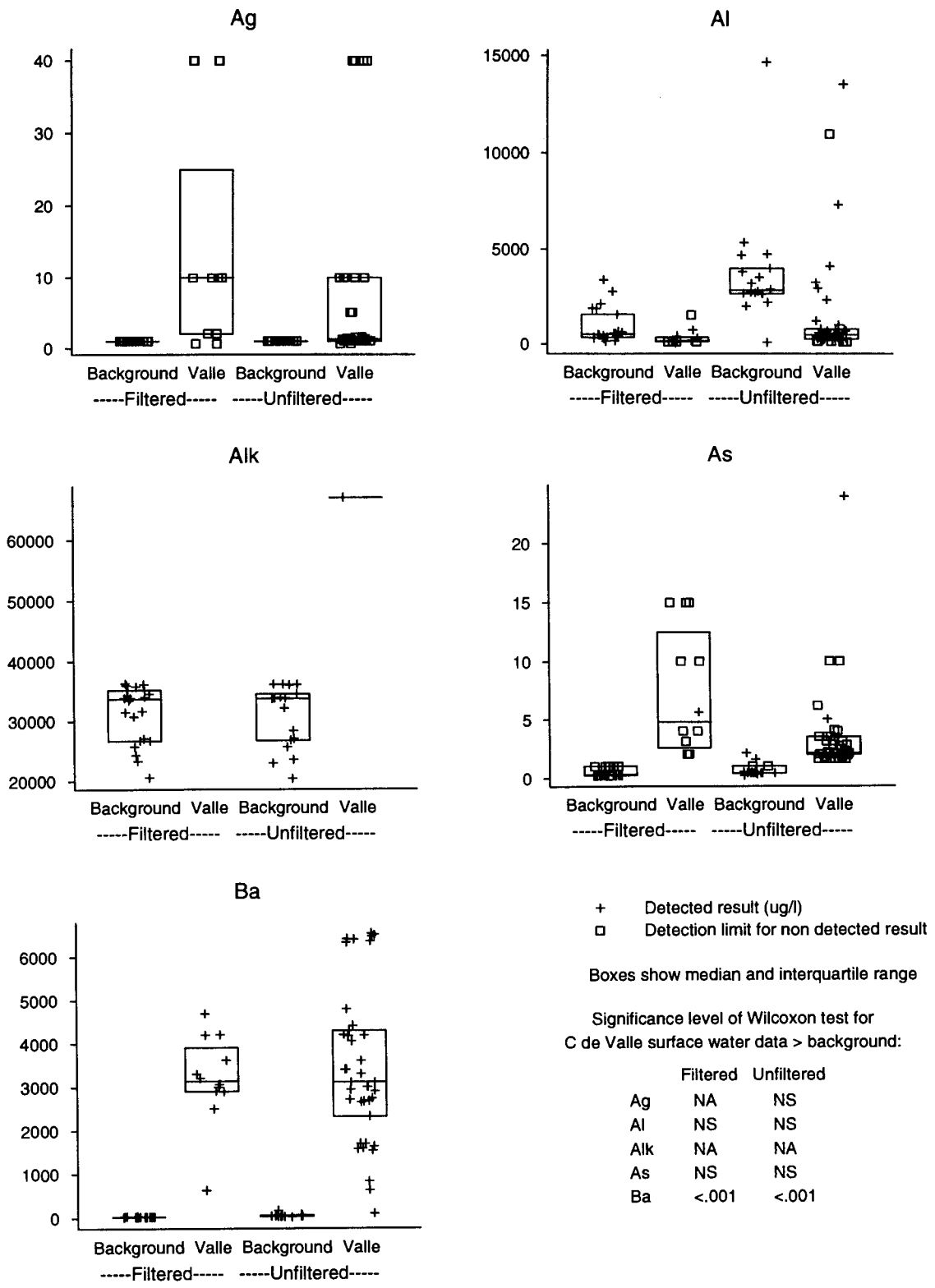
Chemical	Surface Water		Alluvial Water		Sediment	Tuff
	Filtered	Unfiltered	Filtered	Unfiltered		
NO3	None	None	None	None	None	None
Na	wqs	wqs	wqs	wqs	None	None
Ni	None	w	None	None	wqs	None
Pb	ws	None	None	ws	wqs	s
SO4	None	None	wqs	wqs	None	None
Sb	w	s	None	None	None	None
Se	None	None	None	None	None	None
Si	None	None	None	None	None	None
TDS	None	None	ws	None	None	None
TSS	None	None	None	None	None	None
U	None	None	None	None	None	None
Tl	None	None	None	None	None	None
V	w	None	None	w	wq	None
Zn	None	None	None	None	s	None
Cond	None	None	None	None	None	None
PH[b]	None	None	ws	ws	None	None

[a] w = Site significantly different from background (P<0.05) by the Wilcoxon test

q = Site significantly different from background (P<0.05) by the quantile test

s = Site significantly different from background (P<0.05) by the slippage test

[b] For pH, the alternative to the null hypothesis of no difference was site < background. For all other chemicals the alternative was site > background.



	Filtered	Unfiltered
Ag	NA	NS
Al	NS	NS
Alk	NA	NA
As	NS	NS
Ba	<.001	<.001

Figure D-1.5-1. Background comparisons for surface water in Cañon de Valle

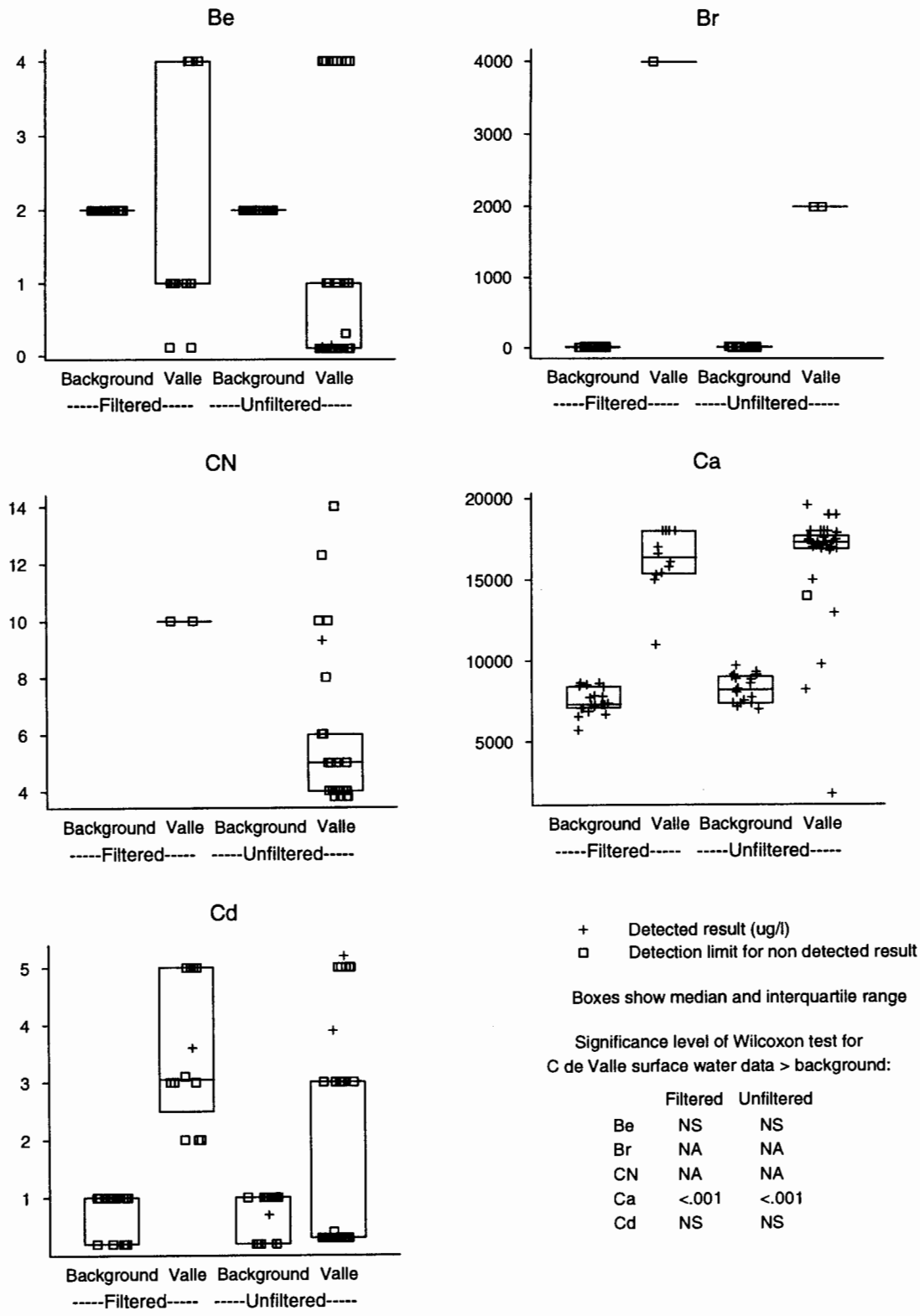
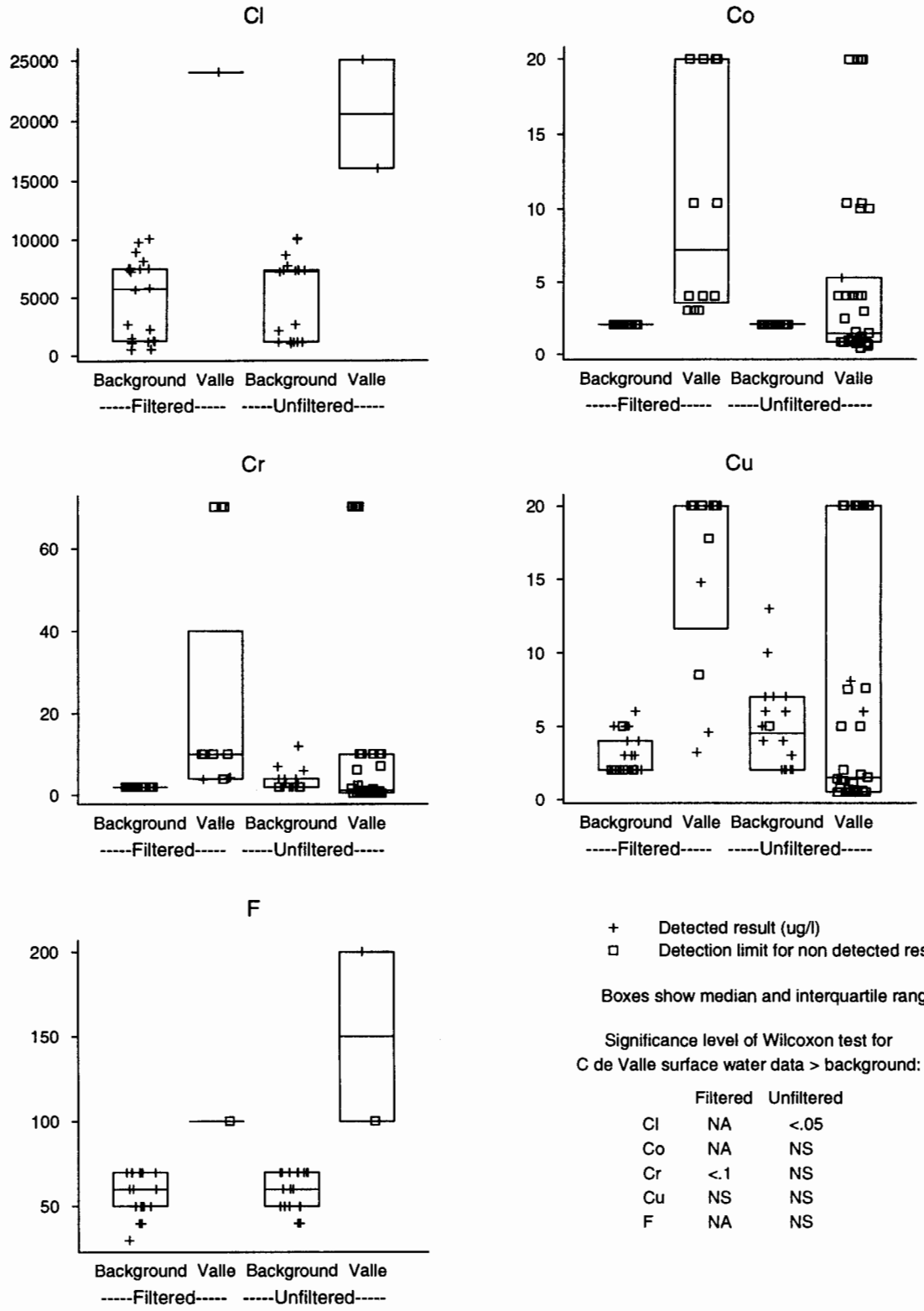


Figure D-1.5-1. Background comparisons for surface water in Cañon de Valle (continued)



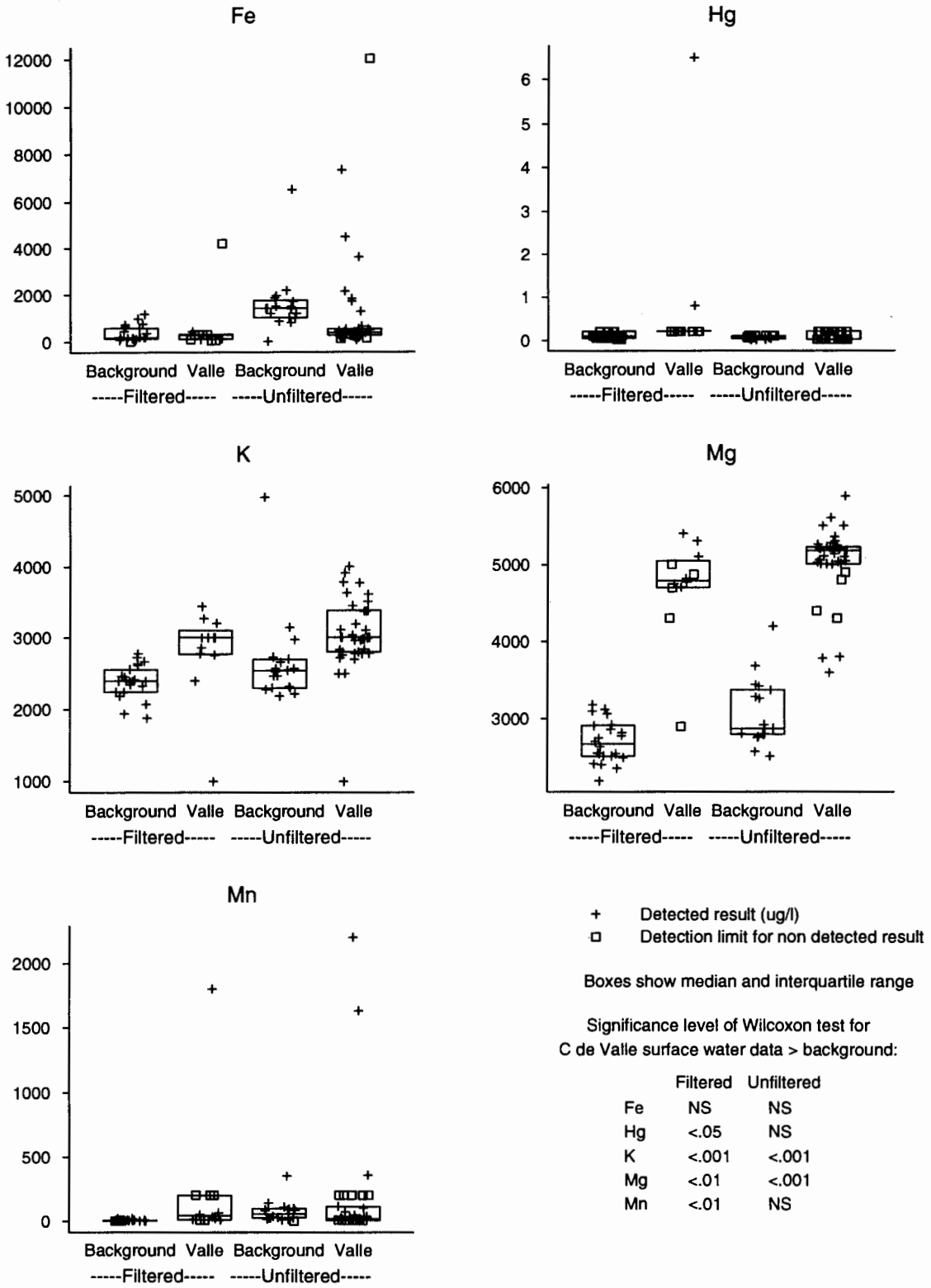
+ Detected result (ug/l)
□ Detection limit for non detected result

Boxes show median and interquartile range

Significance level of Wilcoxon test for
C de Valle surface water data > background:

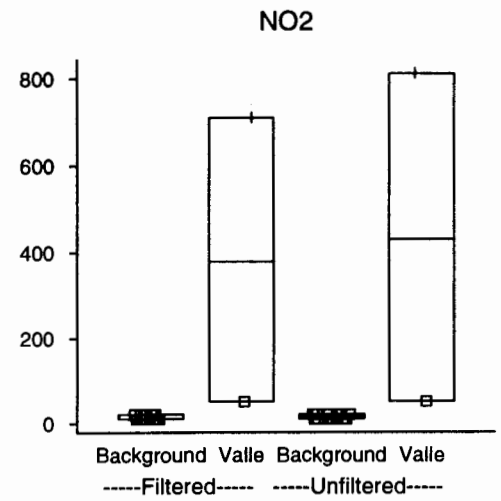
	Filtered	Unfiltered
Cl	NA	<.05
Co	NA	NS
Cr	<.1	NS
Cu	NS	NS
F	NA	NS

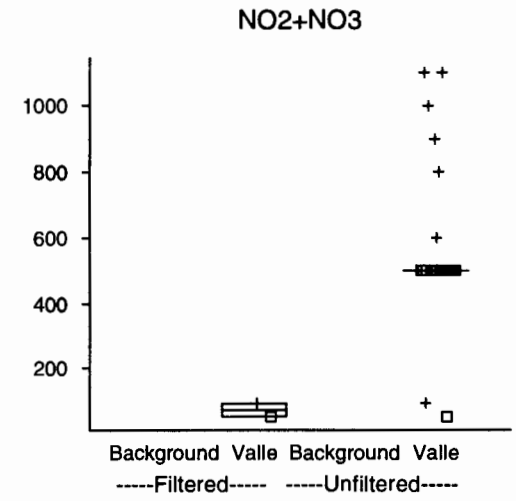
Figure D-1.5-1. Background comparisons for surface water in Cañon de Valle (continued)

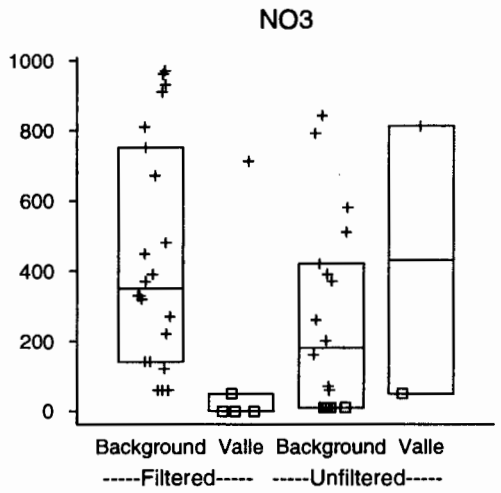


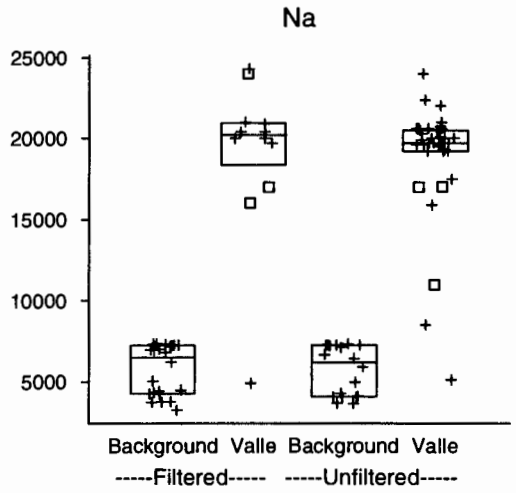
	Filtered	Unfiltered
Fe	NS	NS
Hg	<.05	NS
K	<.001	<.001
Mg	<.01	<.001
Mn	<.01	NS

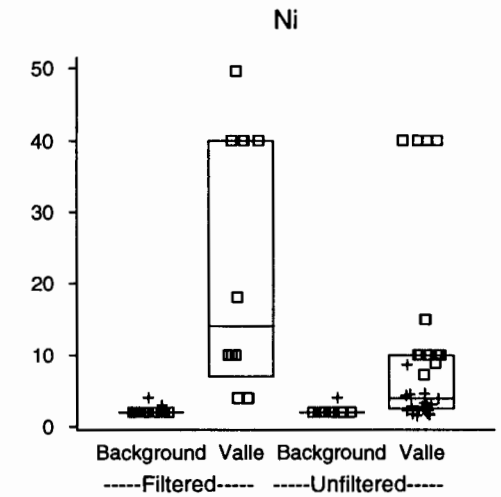
Figure D-1.5-1. Background comparisons for surface water in Cañon de Valle (continued)











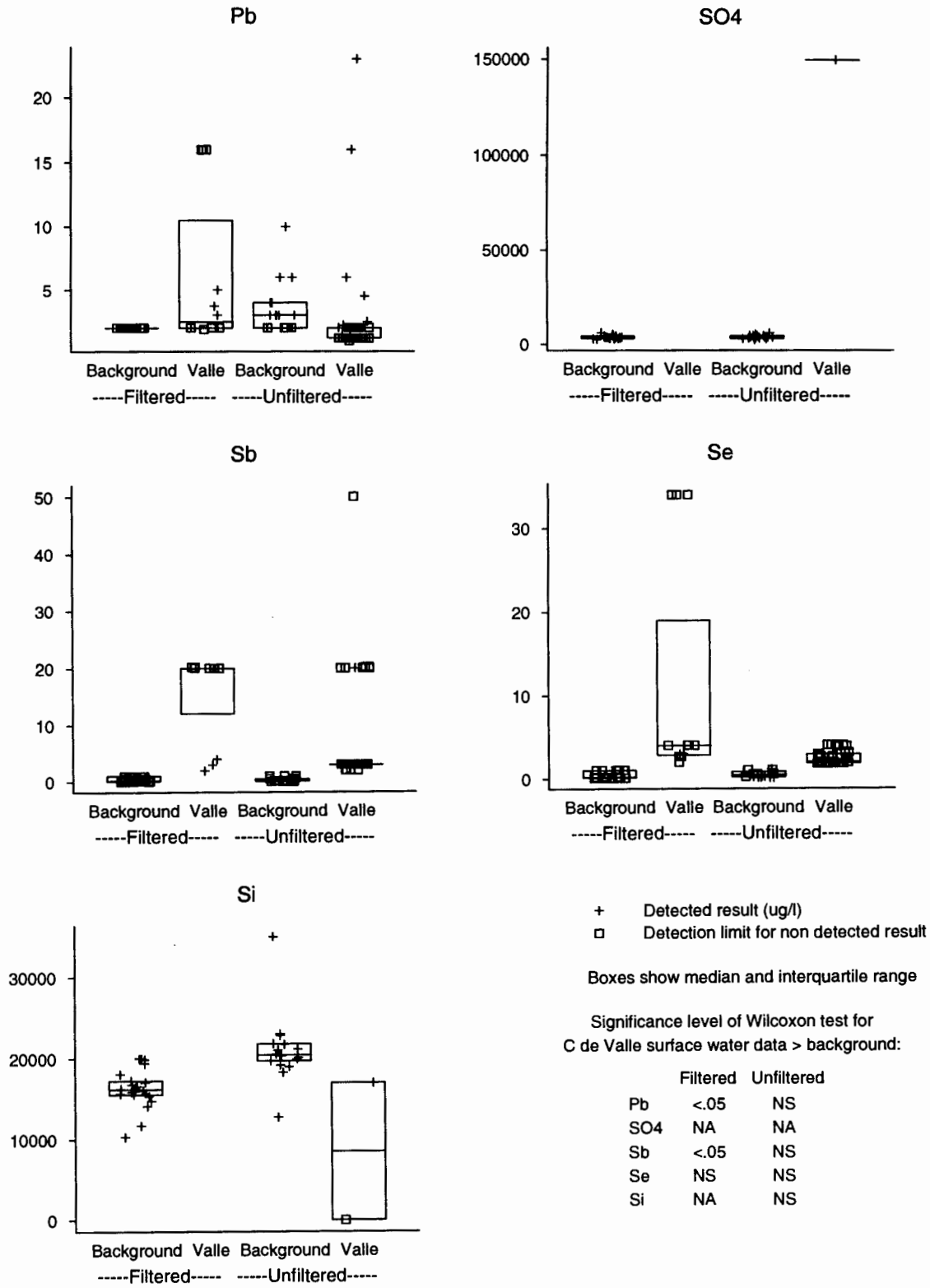
+ Detected result (ug/l)
□ Detection limit for non detected result

Boxes show median and interquartile range

Significance level of Wilcoxon test for
C de Valle surface water data > background:

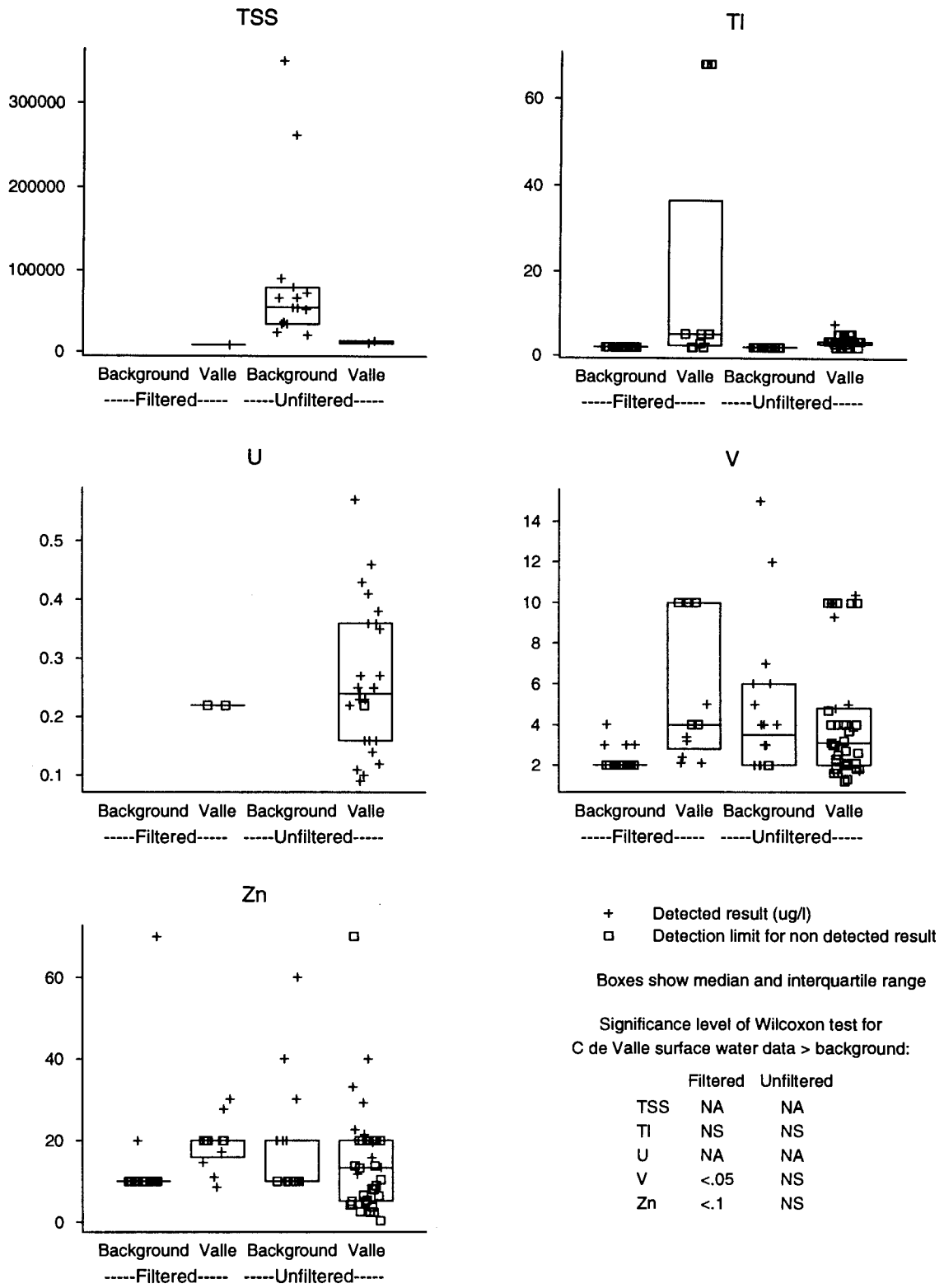
	Filtered	Unfiltered
NO2	<.01	<.05
NO2+NO3	NA	NA
NO3	NS	NS
Na	<.01	<.001
Ni	NS	<.01

Figure D-1.5-1. Background comparisons for surface water in Cañon de Valle (continued)



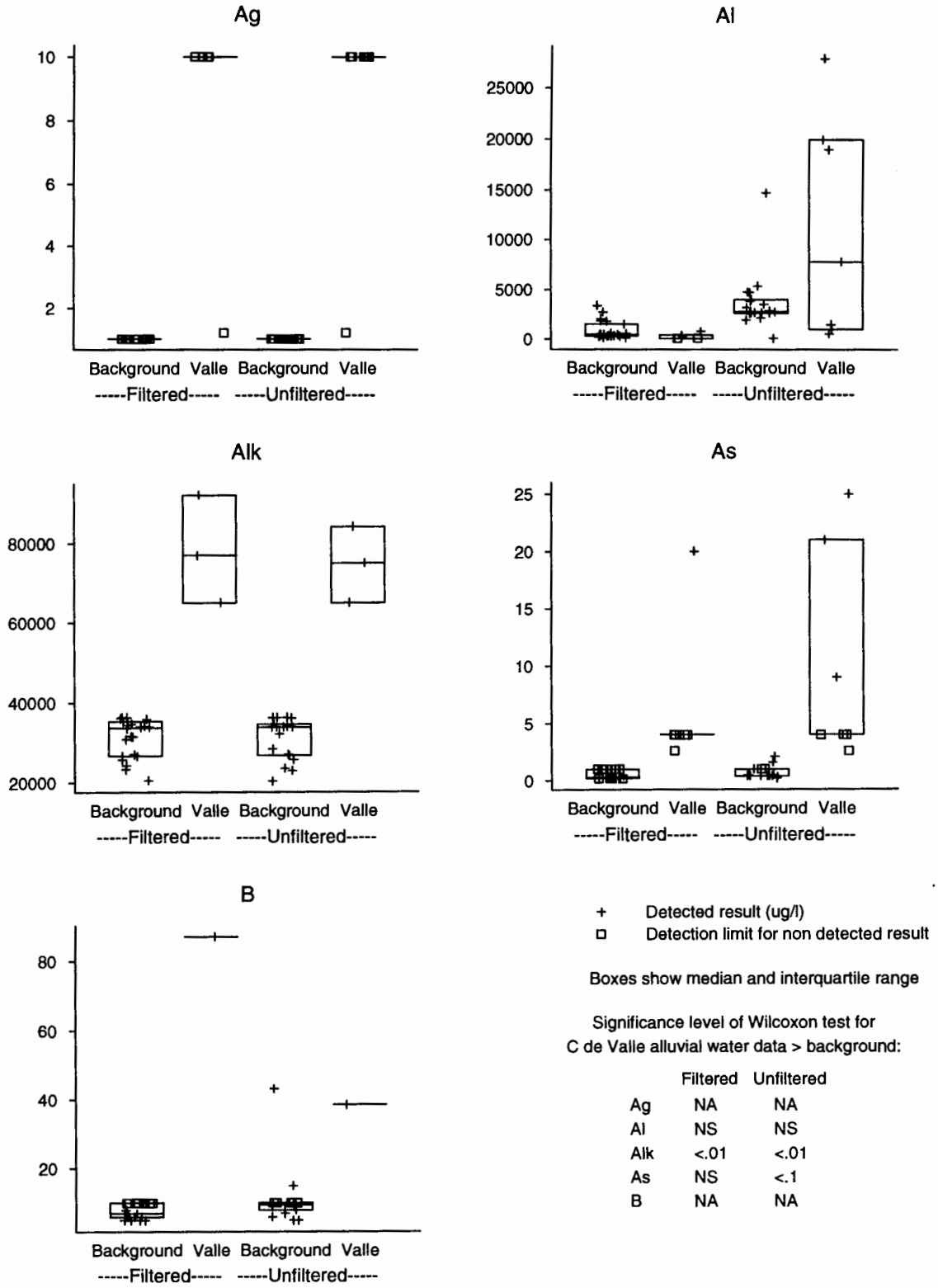
	Filtered	Unfiltered
Pb	<.05	NS
SO4	NA	NA
Sb	<.05	NS
Se	NS	NS
Si	NA	NS

Figure D-1.5-1. Background comparisons for surface water in Cañon de Valle (continued)



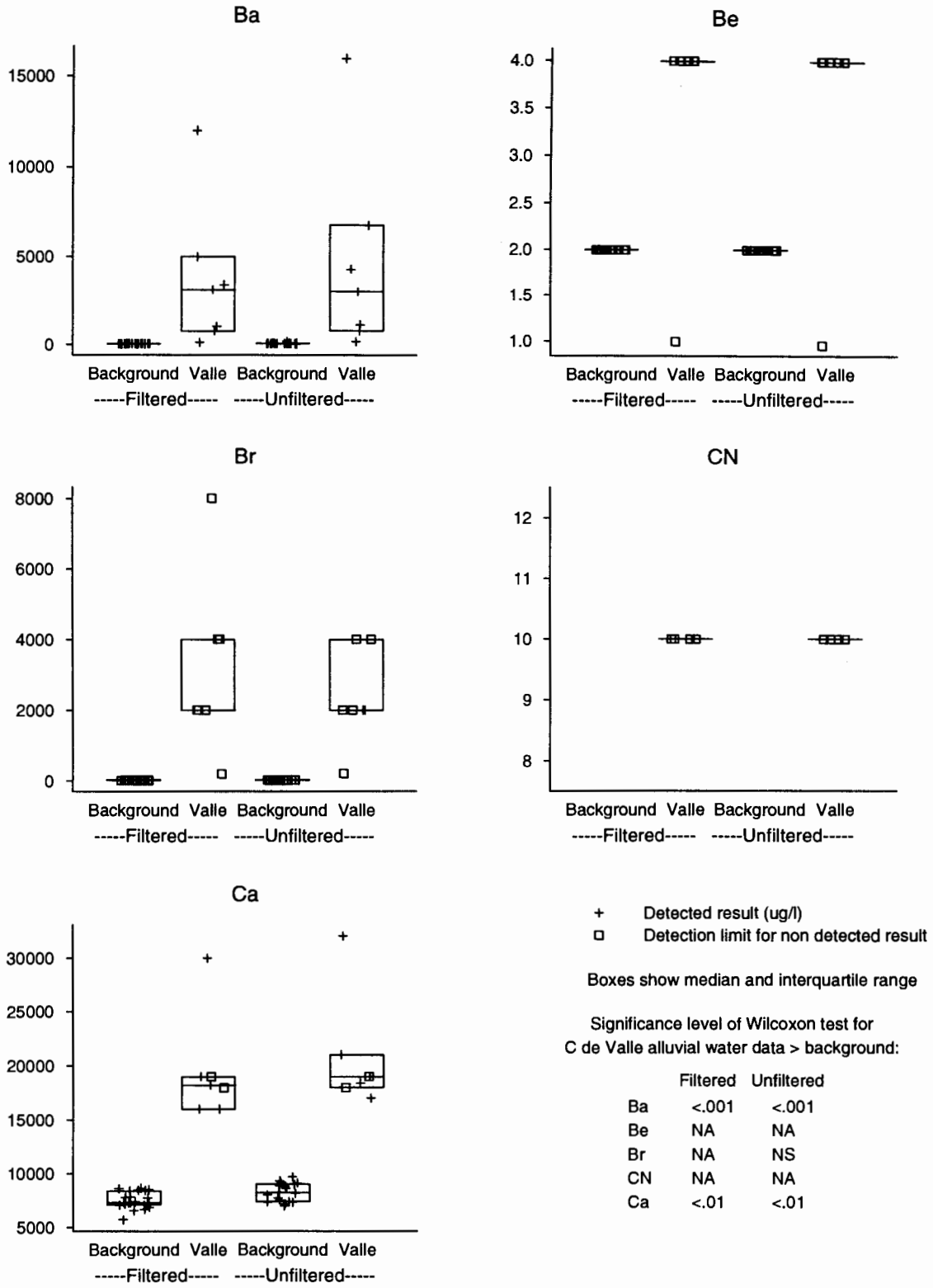
	Filtered	Unfiltered
TSS	NA	NA
Tl	NS	NS
U	NA	NA
V	<.05	NS
Zn	<.1	NS

Figure D-1.5-1. Background comparisons for surface water in Cañon de Valle (concluded)



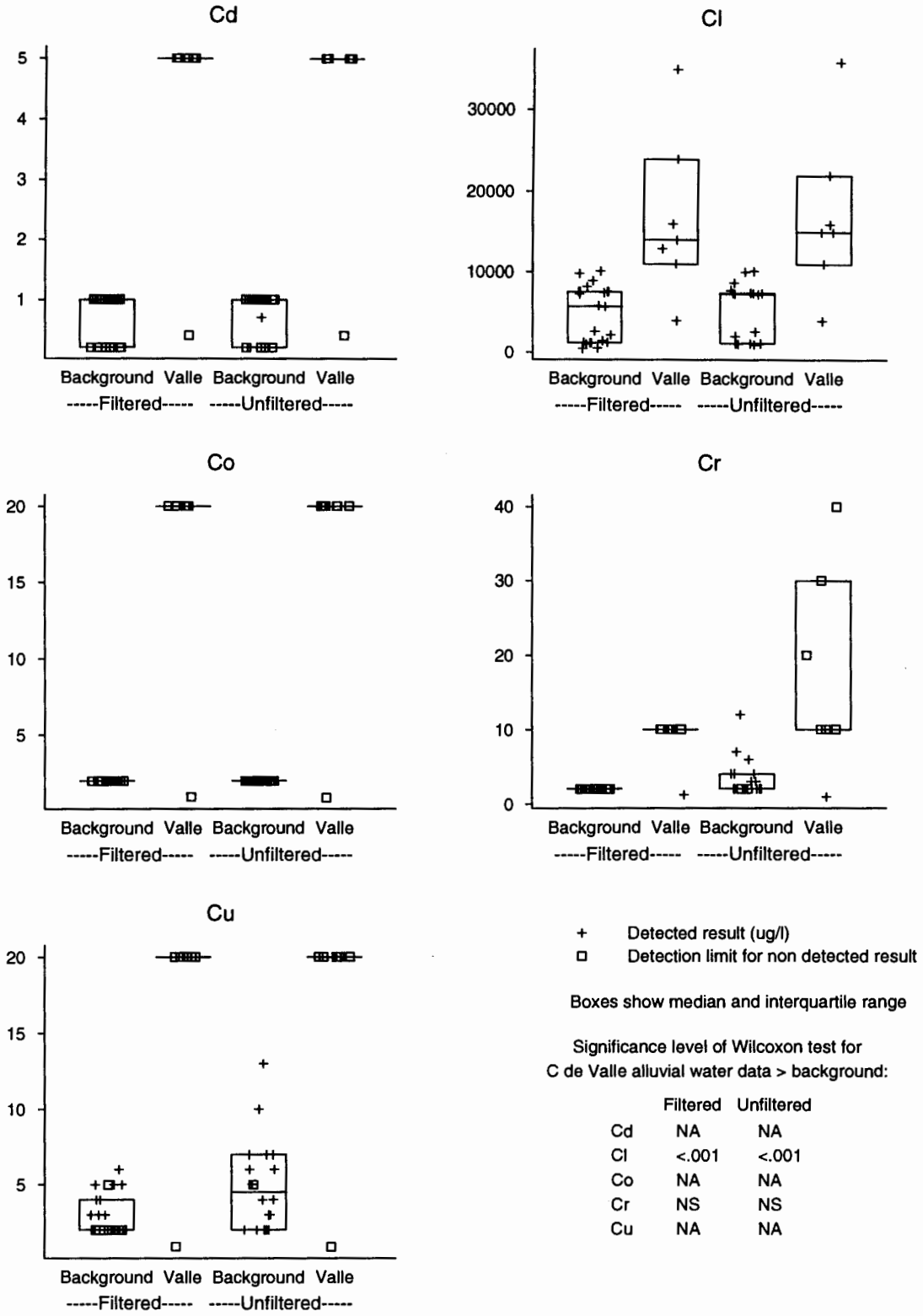
	Filtered	Unfiltered
Ag	NA	NA
Al	NS	NS
Alk	<.01	<.01
As	NS	<.1
B	NA	NA

Figure D-1.5-2. Background comparisons for alluvial water in Cañon de Valle



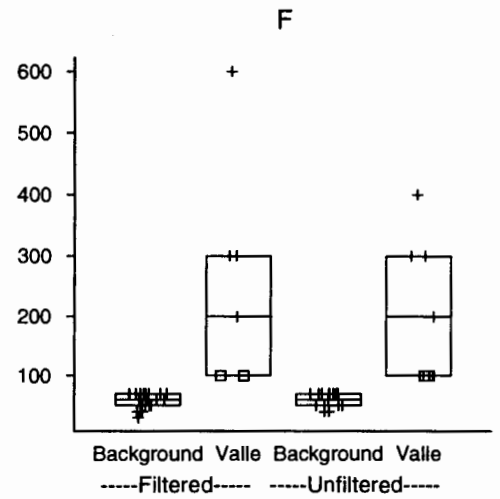
	Filtered	Unfiltered
Ba	<.001	<.001
Be	NA	NA
Br	NA	NS
CN	NA	NA
Ca	<.01	<.01

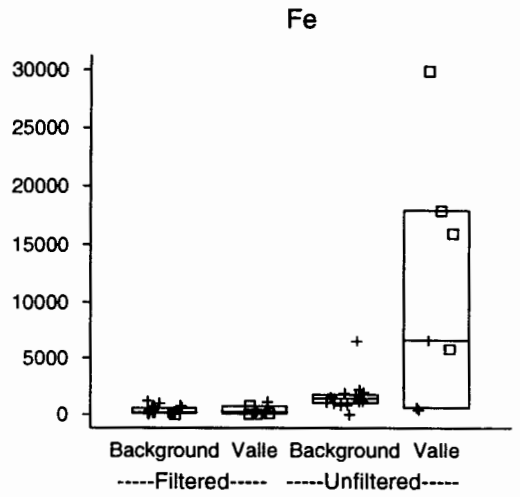
Figure D-1.5-2. Background comparisons for alluvial water in Cañon de Valle (continued)

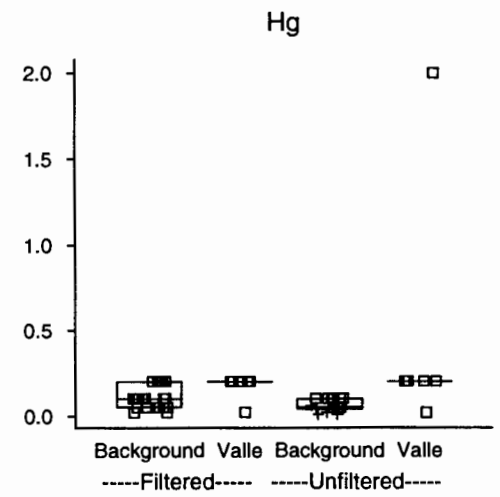


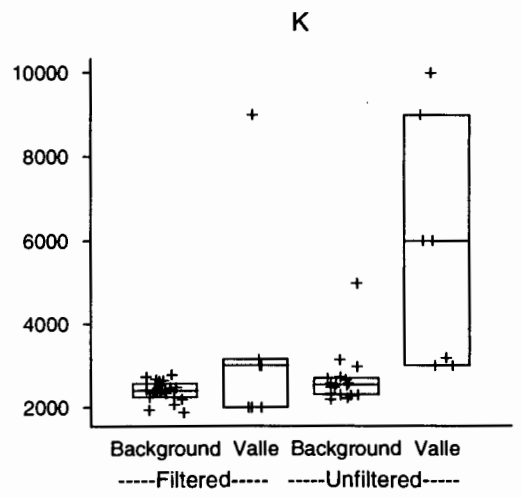
	Filtered	Unfiltered
Cd	NA	NA
Cl	<.001	<.001
Co	NA	NA
Cr	NS	NS
Cu	NA	NA

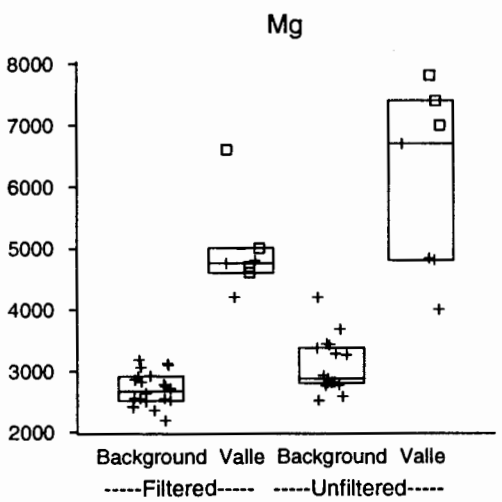
Figure D-1.5-2. Background comparisons for alluvial water in Cañon de Valle (continued)











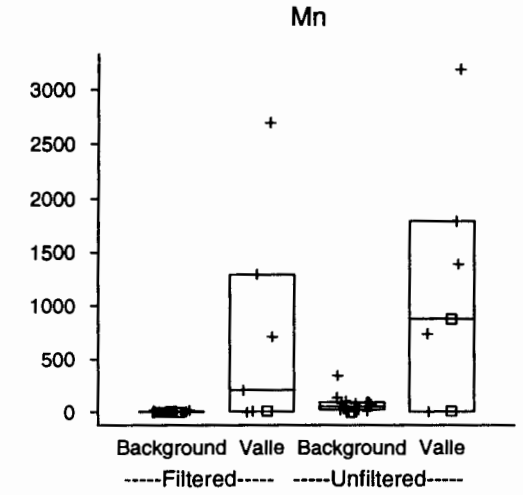
+ Detected result (ug/l)
□ Detection limit for non detected result

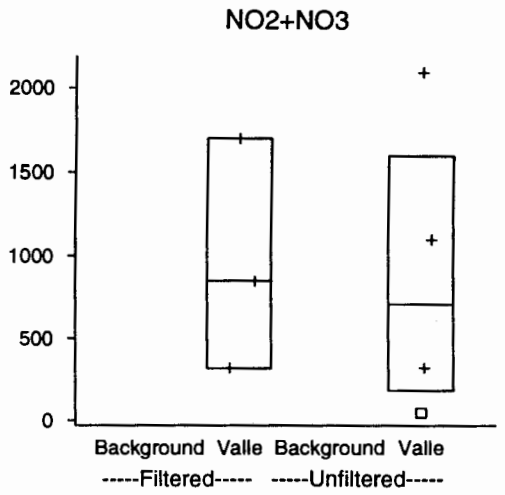
Boxes show median and interquartile range

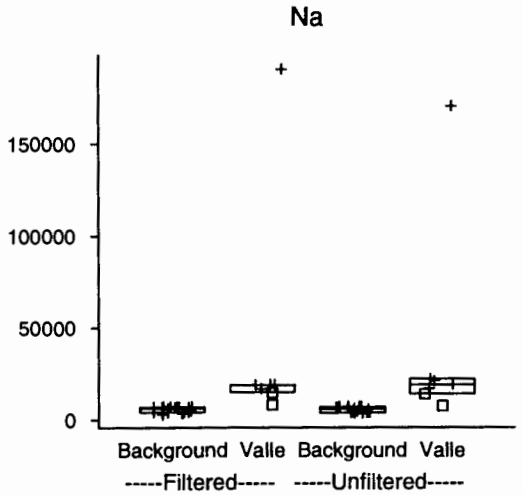
Significance level of Wilcoxon test for
C de Valle alluvial water data > background:

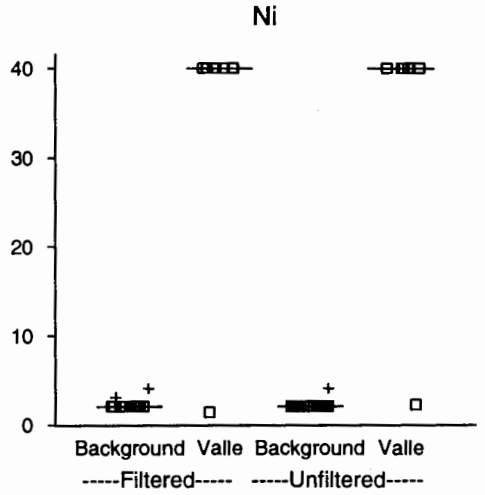
	Filtered	Unfiltered
F	<.01	<.01
Fe	NS	NS
Hg	NA	NA
K	NS	<.001
Mg	<.05	<.05

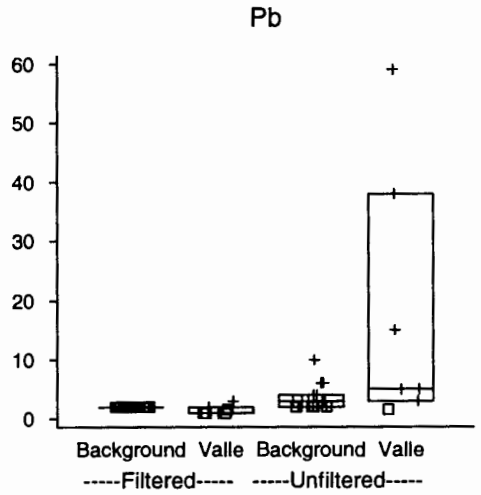
Figure D-1.5-2. Background comparisons for alluvial water in Cañon de Valle (continued)











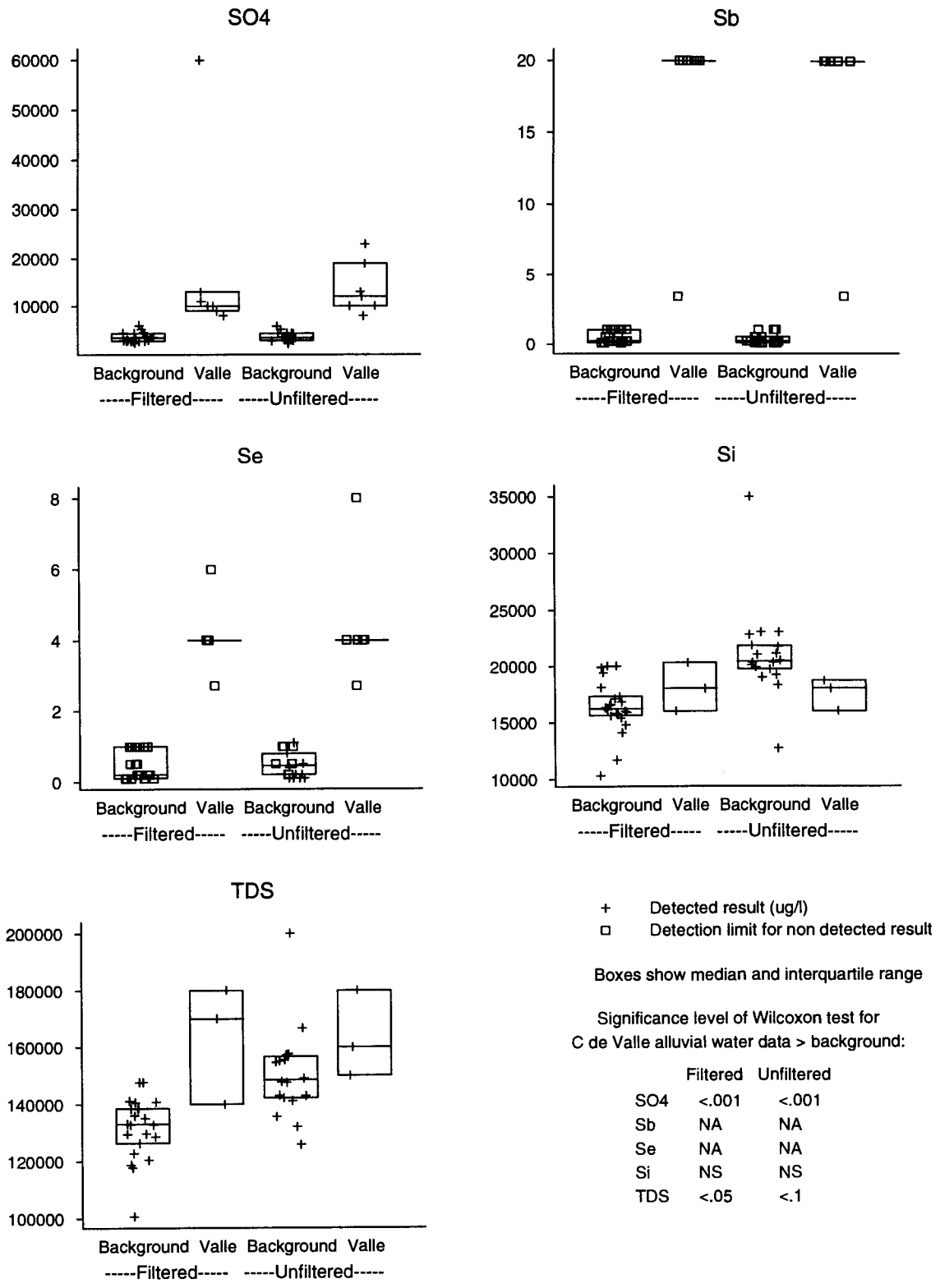
+ Detected result (ug/l)
□ Detection limit for non detected result

Boxes show median and interquartile range

Significance level of Wilcoxon test for
C de Valle alluvial water data > background:

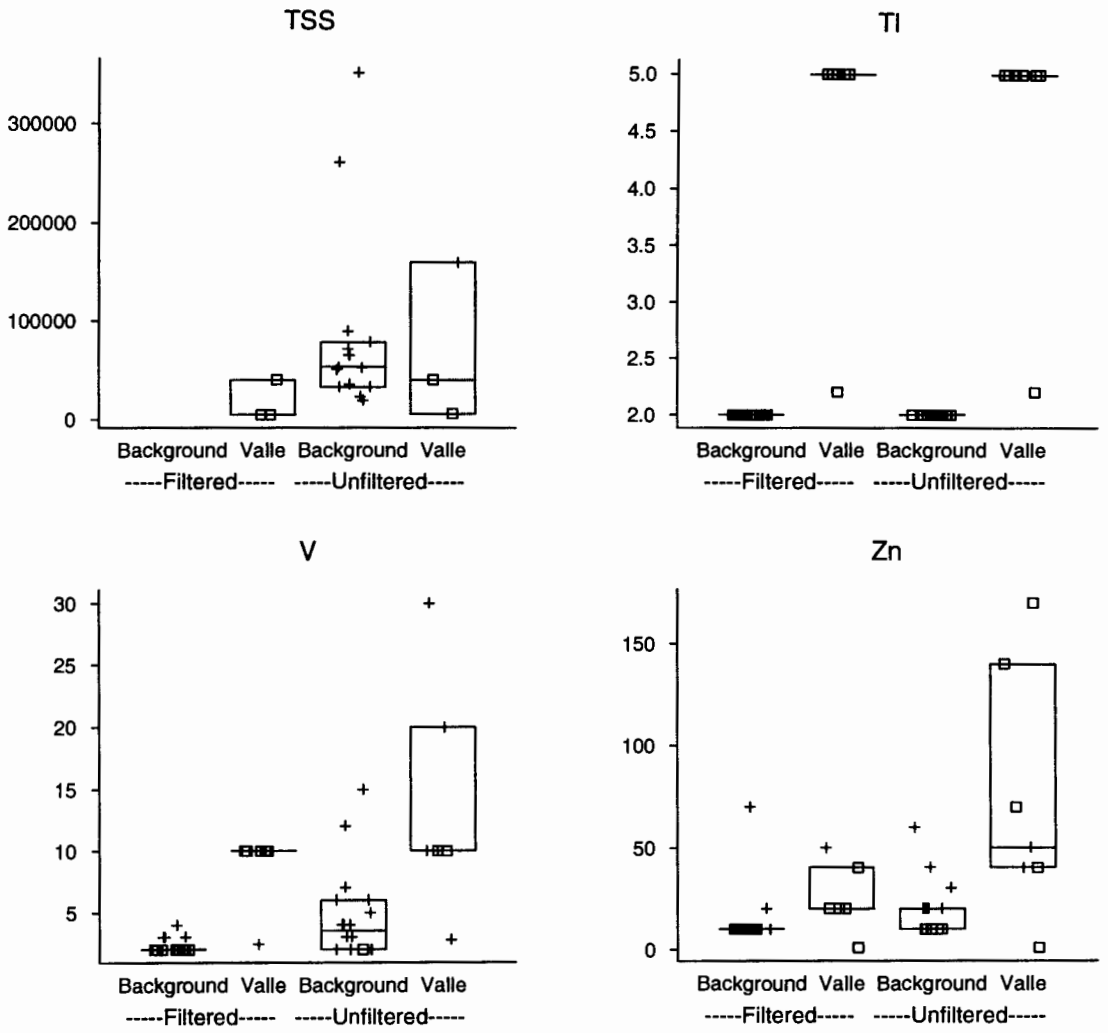
	Filtered	Unfiltered
Mn	<.01	NS
NO2+NO3	NA	NA
Na	<.01	<.01
Ni	NA	NA
Pb	NS	<.05

Figure D-1.5-2. Background comparisons for alluvial water in Cañon de Valle (continued)



	Filtered	Unfiltered
SO4	<.001	<.001
Sb	NA	NA
Se	NA	NA
Si	NS	NS
TDS	<.05	<.1

Figure D-1.5-2. Background comparisons for alluvial water in Cañon de Valle (continued)



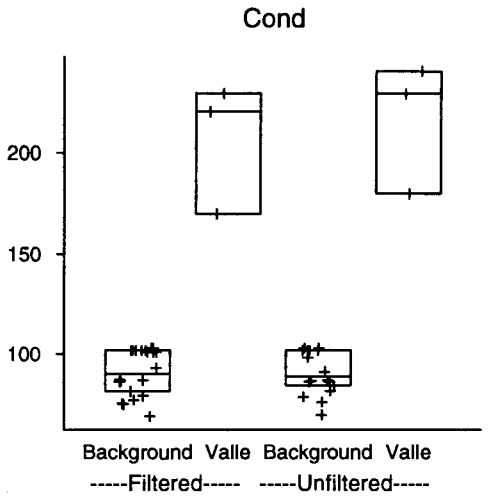
+ Detected result (ug/l)
□ Detection limit for non detected result

Boxes show median and interquartile range

Significance level of Wilcoxon test for
C de Valle alluvial water data > background:

	Filtered	Unfiltered
TSS	NA	NS
Tl	NA	NA
V	NS	<.05
Zn	NS	NS

Figure D-1.5-2. Background comparisons for alluvial water in Cañon de Valle (continued)

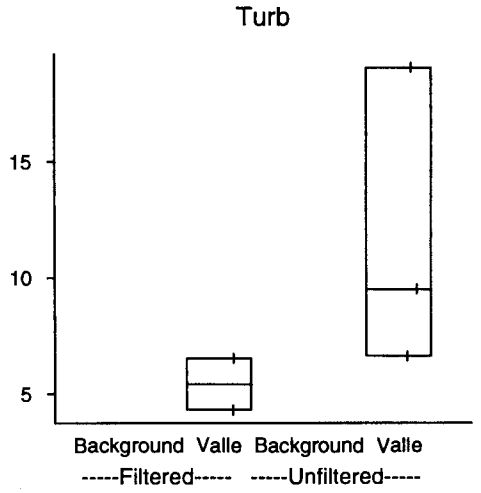


+ Detected result (uMho)
□ Detection limit for non detected result

Boxes show median and interquartile range

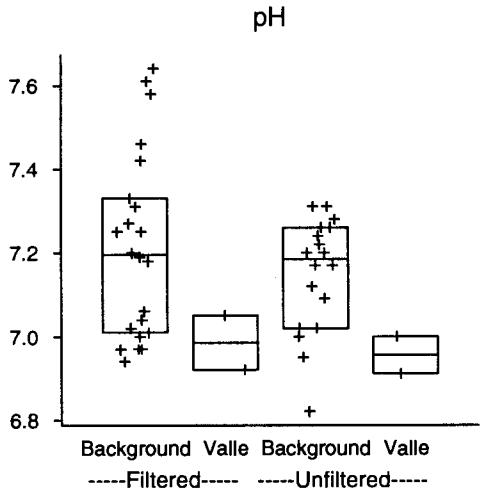
Significance level of Wilcoxon test for
C de Valle alluvial cond > background:

	Filtered	Unfiltered
Cond	NS	NS



+ Detected result (NTU)
□ Detection limit for non detected result

Boxes show median and interquartile range



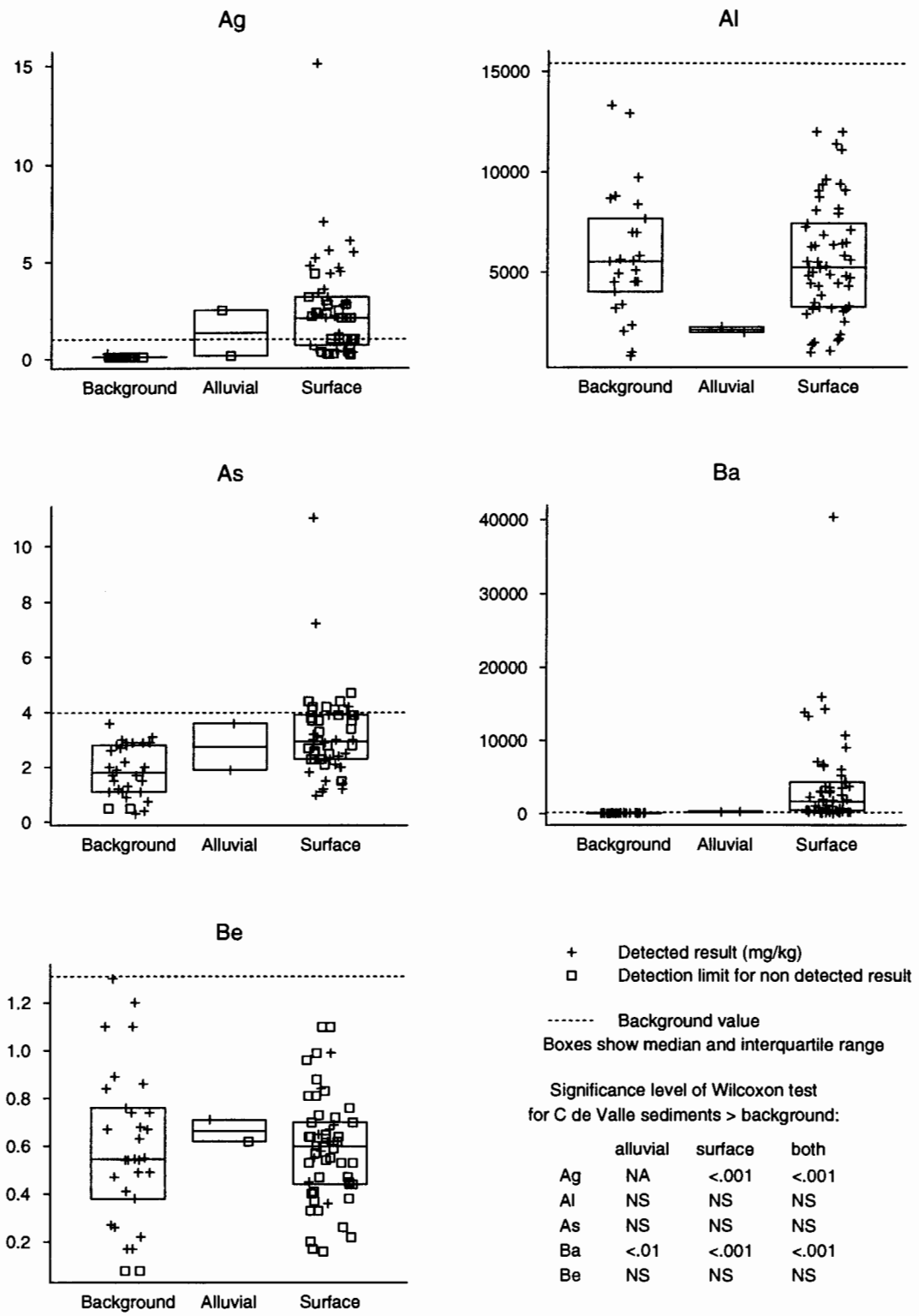
+ Detected result (SU)
□ Detection limit for non detected result

Boxes show median and interquartile range

Significance level of Wilcoxon test for
C de Valle alluvial pH < background:

	Filtered	Unfiltered
pH	<.05	<.05

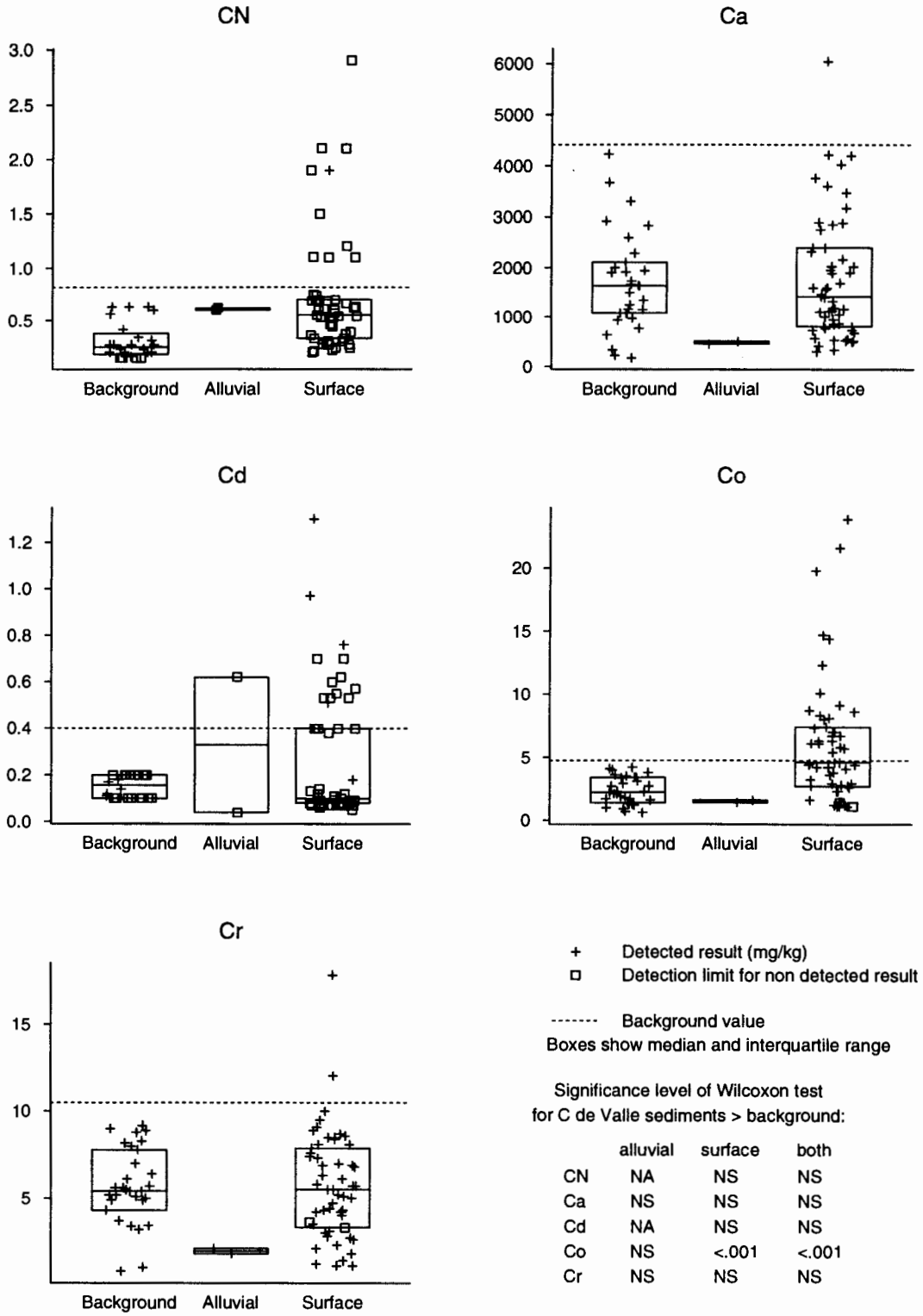
Figure D-1.5-2. Background comparisons for alluvial water in Cañon de Valle (concluded)



Significance level of Wilcoxon test
for C de Valle sediments > background:

	alluvial	surface	both
Ag	NA	<.001	<.001
Al	NS	NS	NS
As	NS	NS	NS
Ba	<.01	<.001	<.001
Be	NS	NS	NS

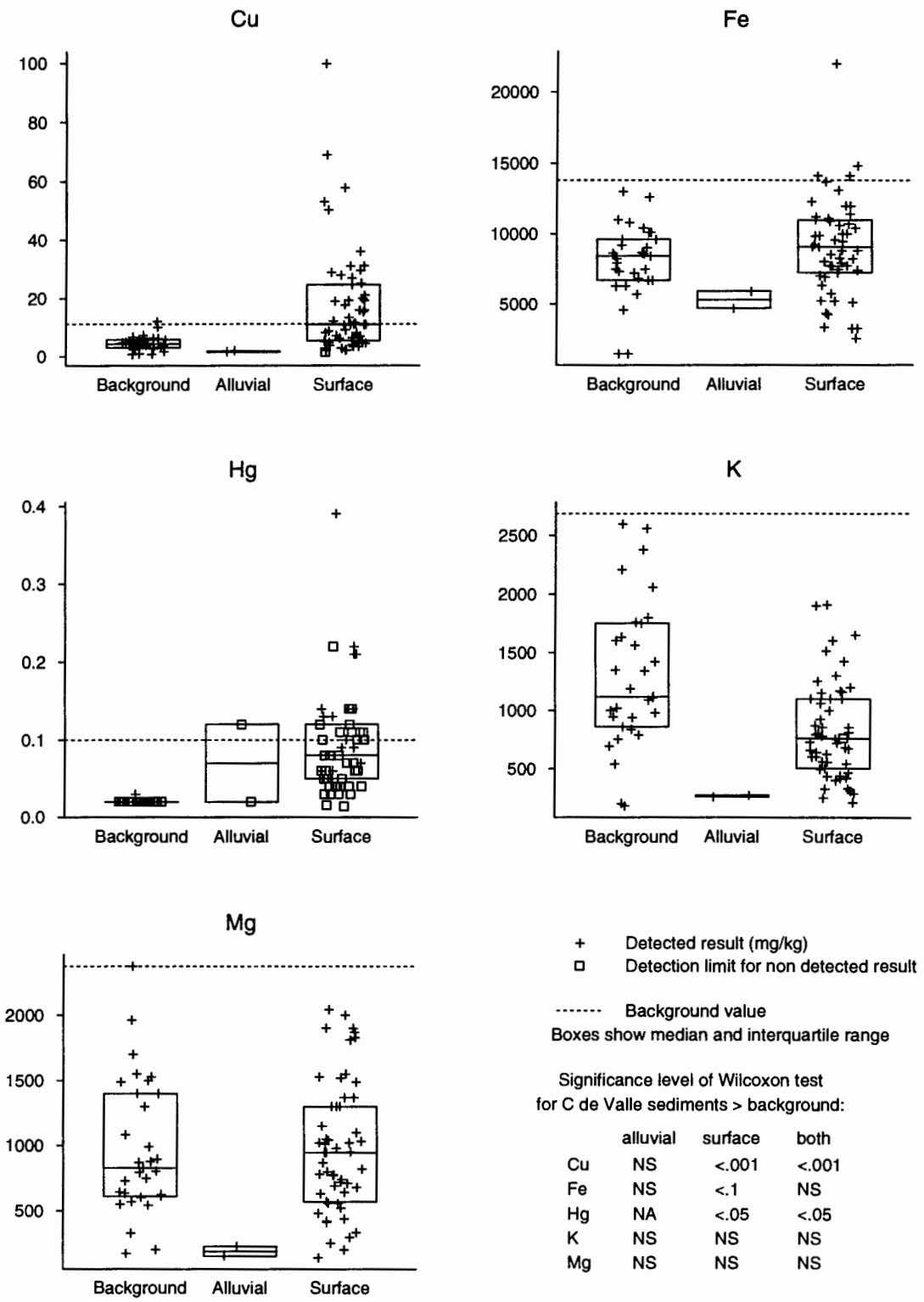
Figure D-1.5-3. Background comparisons for sediments in Cañon de Valle



Significance level of Wilcoxon test
for C de Valle sediments > background:

	alluvial	surface	both
CN	NA	NS	NS
Ca	NS	NS	NS
Cd	NA	NS	NS
Co	NS	<.001	<.001
Cr	NS	NS	NS

Figure D-1.5-3. Background comparisons for sediments in Cañon de Valle (continued)



Significance level of Wilcoxon test
for C de Valle sediments > background:

	alluvial	surface	both
Cu	NS	<.001	<.001
Fe	NS	<.1	NS
Hg	NA	<.05	<.05
K	NS	NS	NS
Mg	NS	NS	NS

Figure D-1.5-3. Background comparisons for sediments in Cañon de Valle (continued)

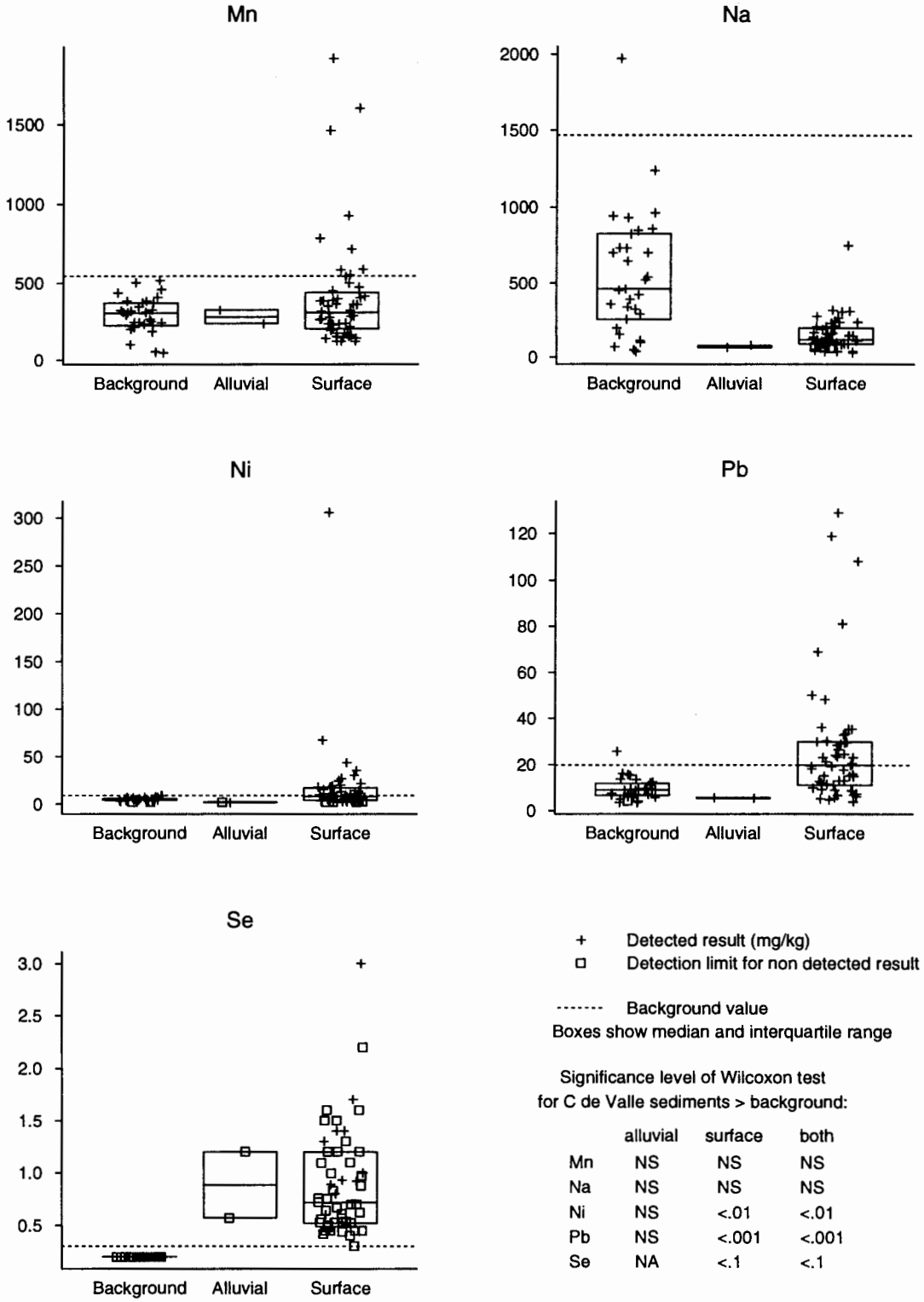
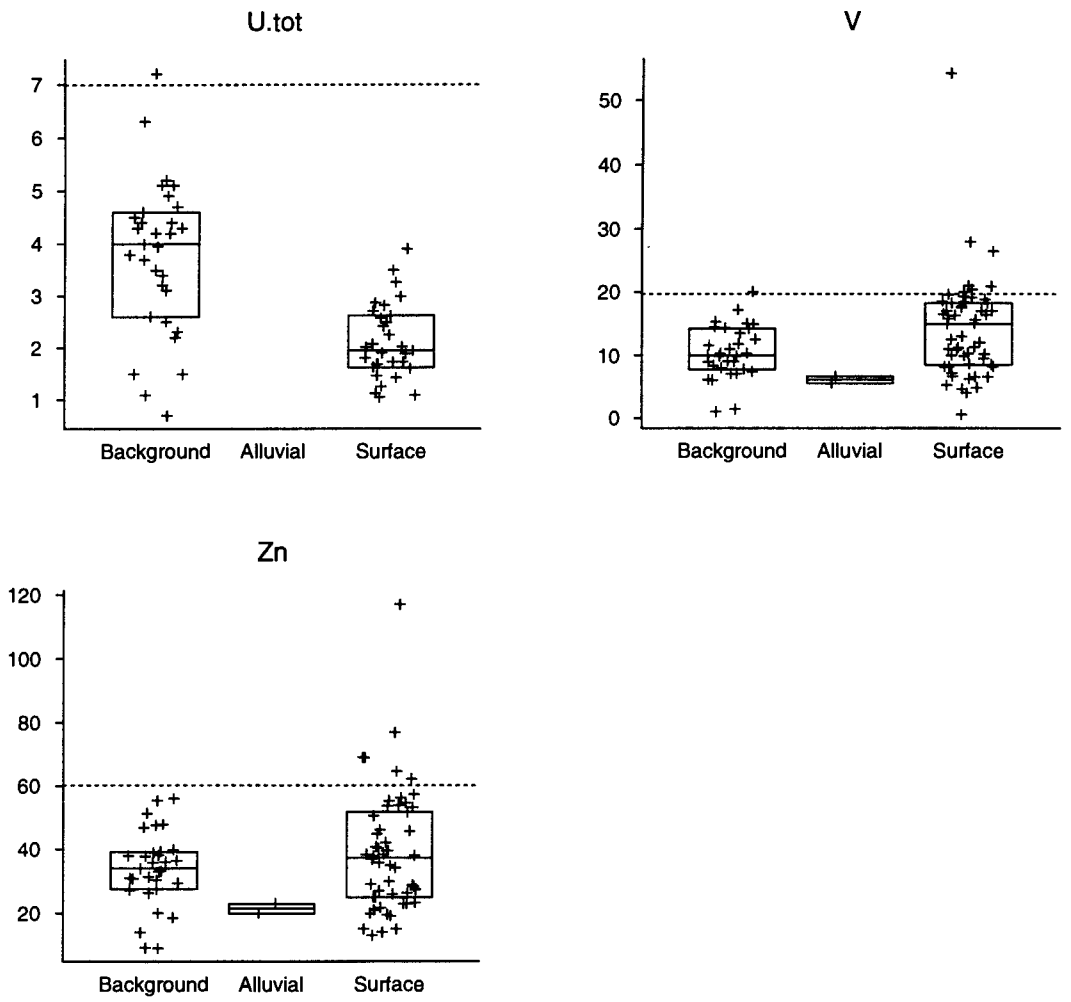


Figure D-1.5-3. Background comparisons for sediments in Cañon de Valle (continued)



+ Detected result (mg/kg)
□ Detection limit for non detected result

------- Background value
Boxes show median and interquartile range

Significance level of Wilcoxon test
for C de Valle sediments > background:

	alluvial	surface	both
U.tot	NA	NS	NS
V	NS	<.01	<.05
Zn	NS	NS	NS

Figure D-1.5-3. Background comparisons for sediments in Cañon de Valle (concluded)

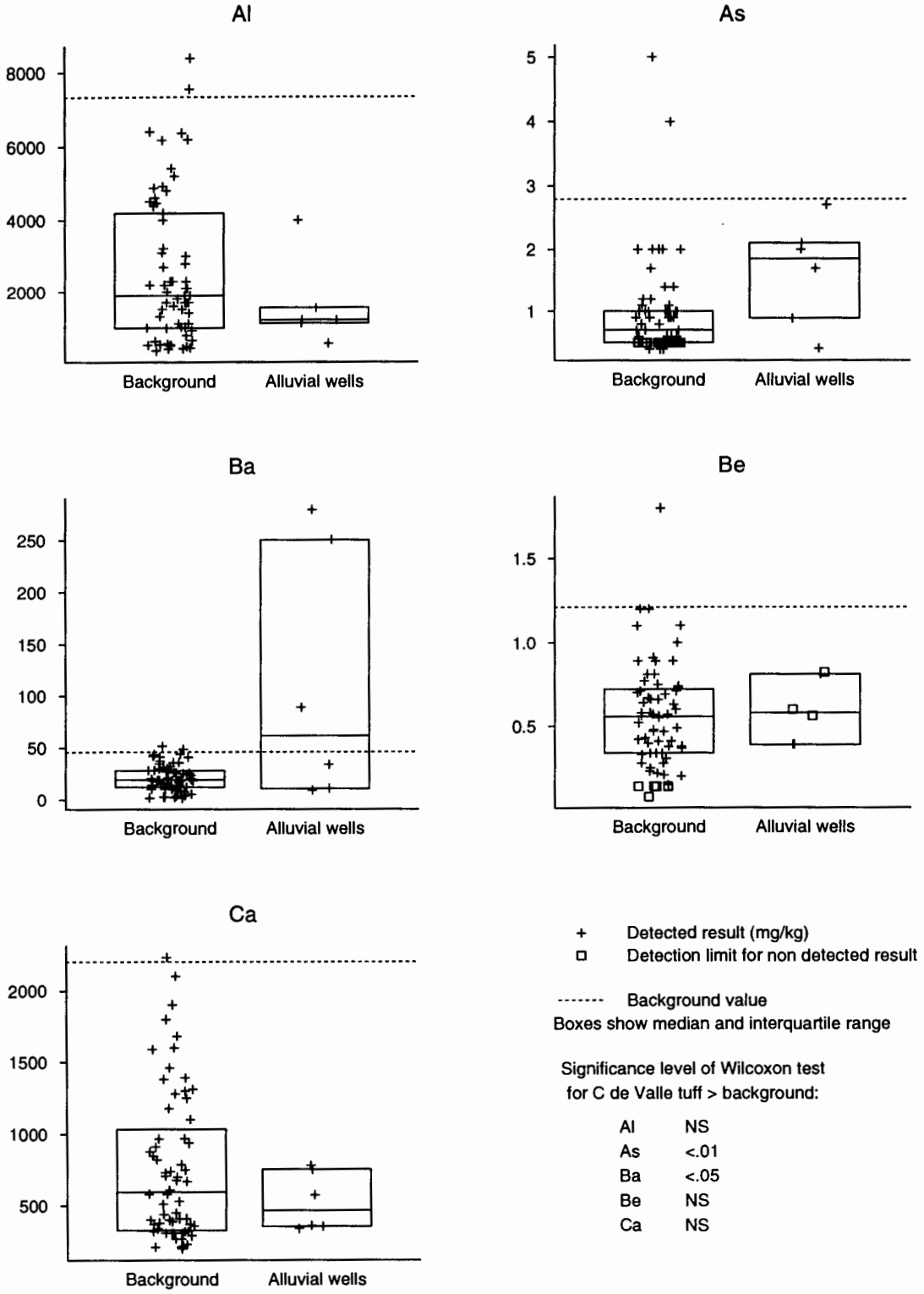


Figure D-1.5-4. Background comparisons for tuff in Cañon de Valle

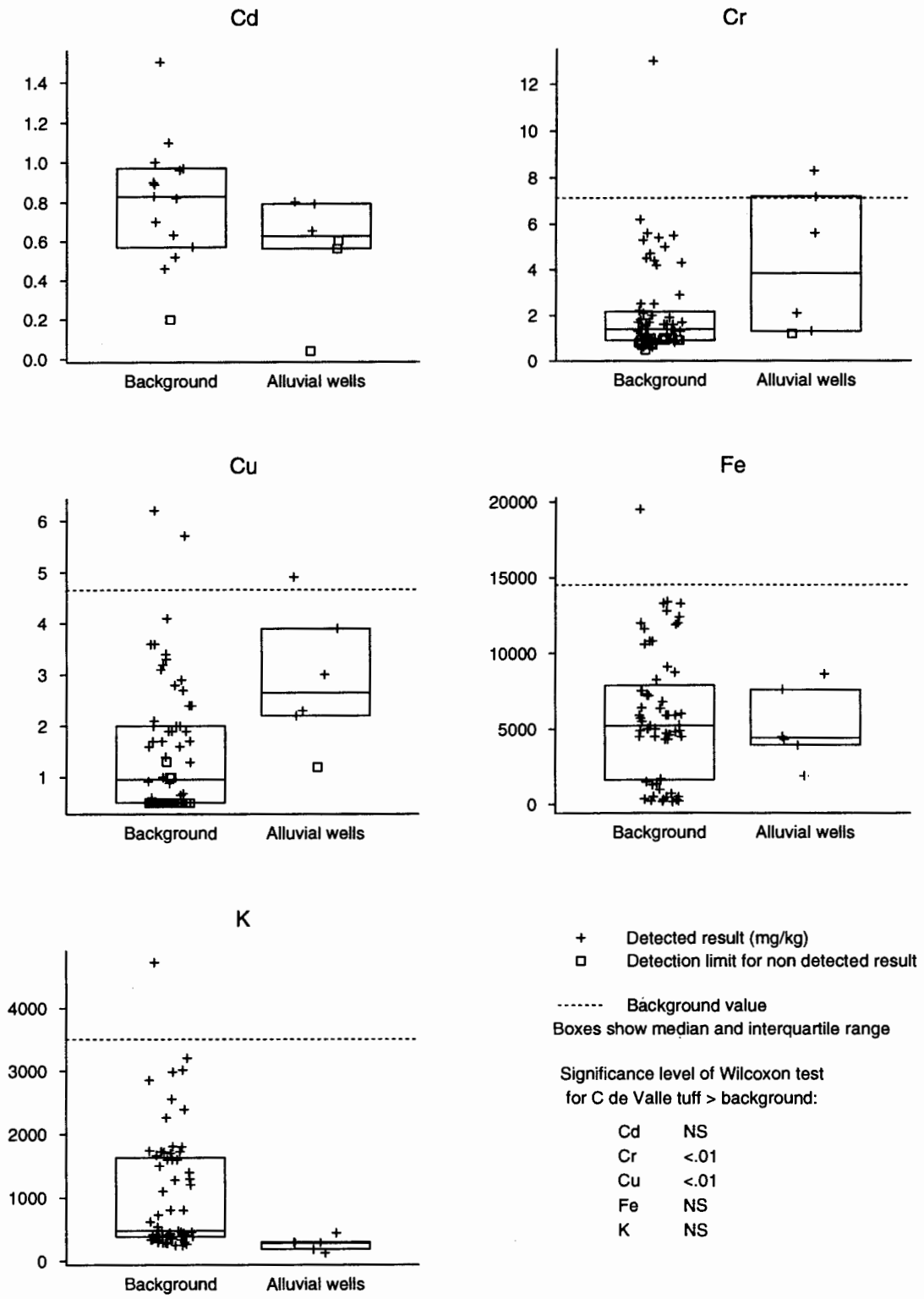


Figure D-1.5-4. Background comparisons for tuff in Cañon de Valle (continued)

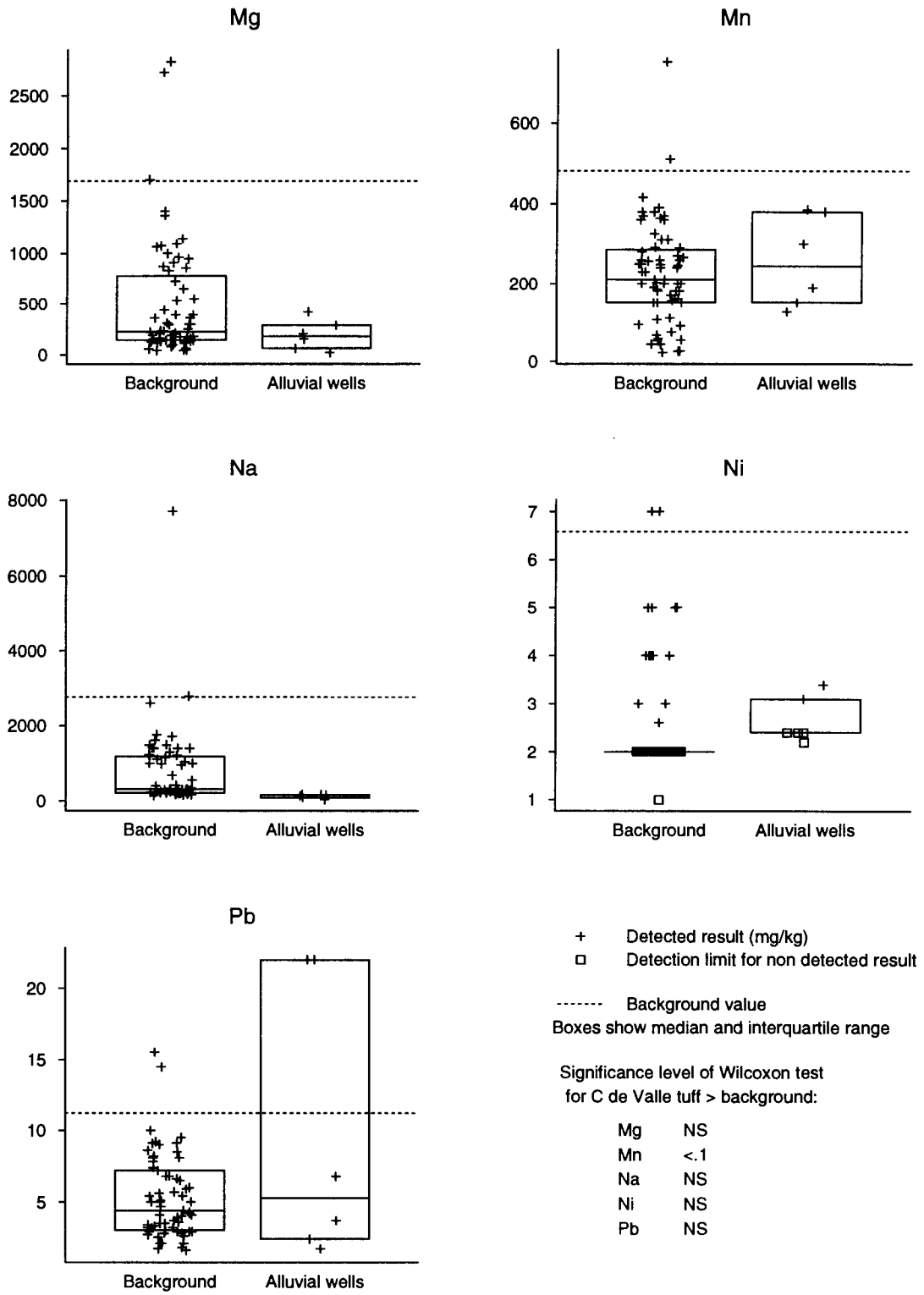


Figure D-1.5-4. Background comparisons for tuff in Cañon de Valle (continued)

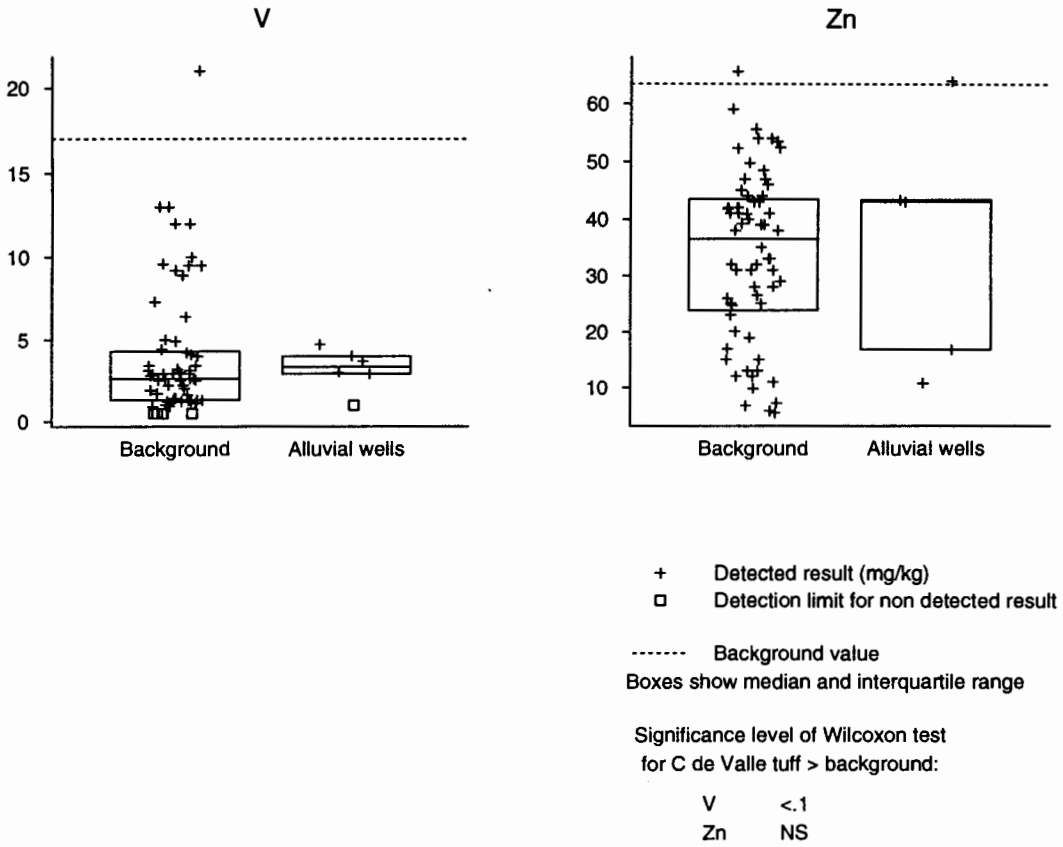


Figure D-1.5-4. Background comparisons for tuff in Cañon de Valle (concluded)

Table D-1.6-1

Test Results Significant at the 5% Level, Comparing Subsurface Data with Background Data[a]

Chemical	Spring Water		Tuff
	Filtered	Unfiltered	
Ag	None	None	None
Al	wqs	wqs	None
As	s	s	w
B	w	ws	None
Ba	wqs	wqs	None
Be	None	None	None
Br	None	None	None
CO3	None	None	None
Ca	wqs	wqs	None
Cd	None	None	None
Cl	wqs	wqs	None
ClO3	None	None	None
Co	None	None	None
Cr	None	None	None
Cs	None	None	None
Cu	None	None	None
F	w	ws	None
Fe	w	wq	None
HCO3	w	ws	None
Hg	None	None	None
I	None	None	None
K	None	None	None
Li	None	None	None
Mg	wqs	wqs	None
Mn	None	w	None
Mo	None	None	None
NH4	wqs	wqs	None
NO2	None	None	None
NO2+NO3	None	None	None
NO3	wqs	wqs	None
Na	wqs	wqs	None
Ni	None	None	q
PO4	ws	ws	None
Pb	None	None	None
Rb	q	q	None
SO4	w	w	None

Table D-1.6-1 (concluded)

Chemical	Spring Water		Tuff
	Filtered	Unfiltered	
Sb	None	None	None
Se	None	None	None
Si	None	None	None
SiO2	None	w	None
Sn	None	None	None
Sr	w	w	None
TDS	wqs	wqs	None
Ti	w	w	None
Tl	None	None	None
V	None	None	None
Zn	None	None	None

[a] w = site significantly different from background (P<0.05) by the Wilcoxon test;
q = site significantly different from background (P<0.05) by the quantile test;
s = site significantly different from background (P<0.05) by the slippage test

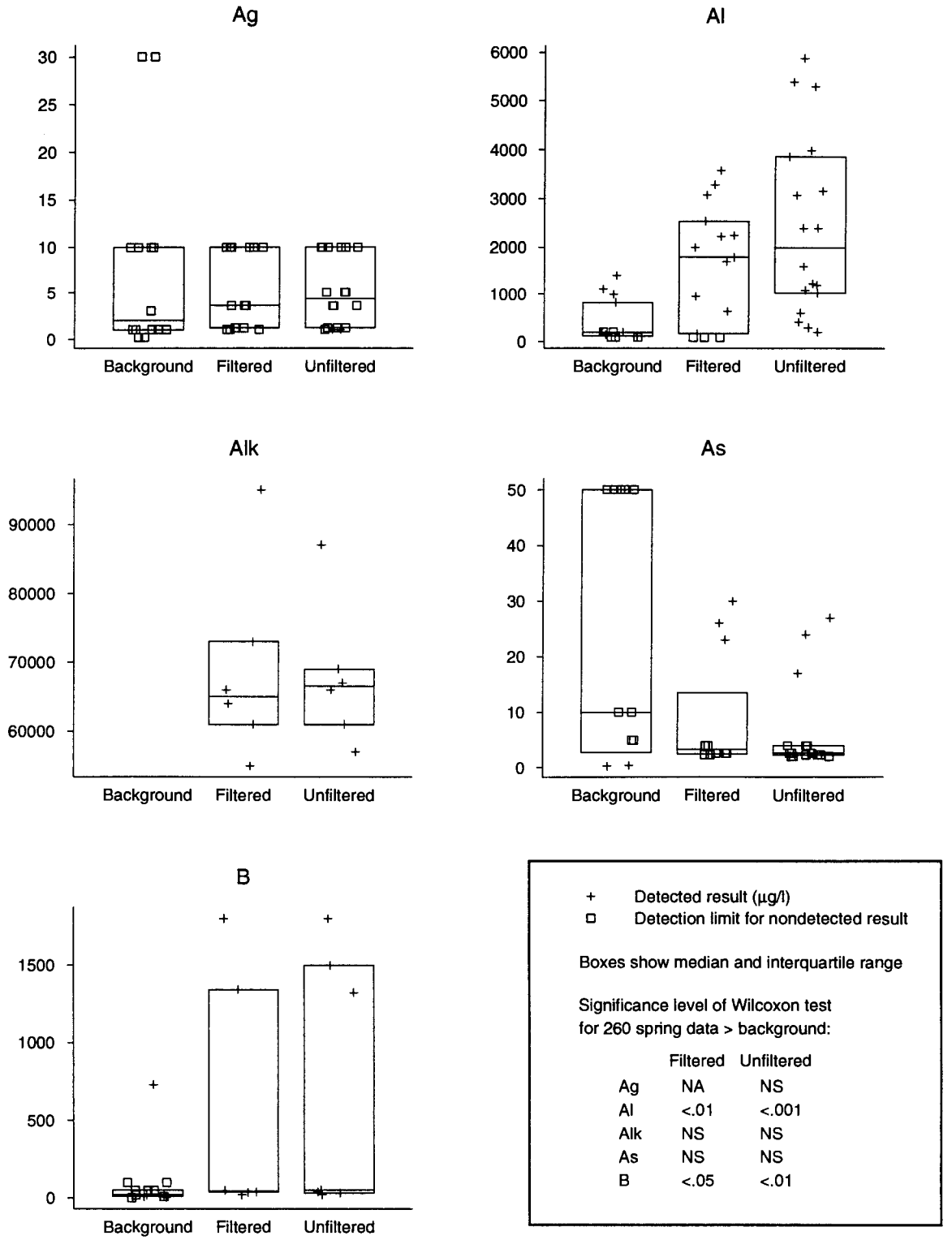


Figure D-1.6-1. Background comparisons for groundwater in TA-16 springs

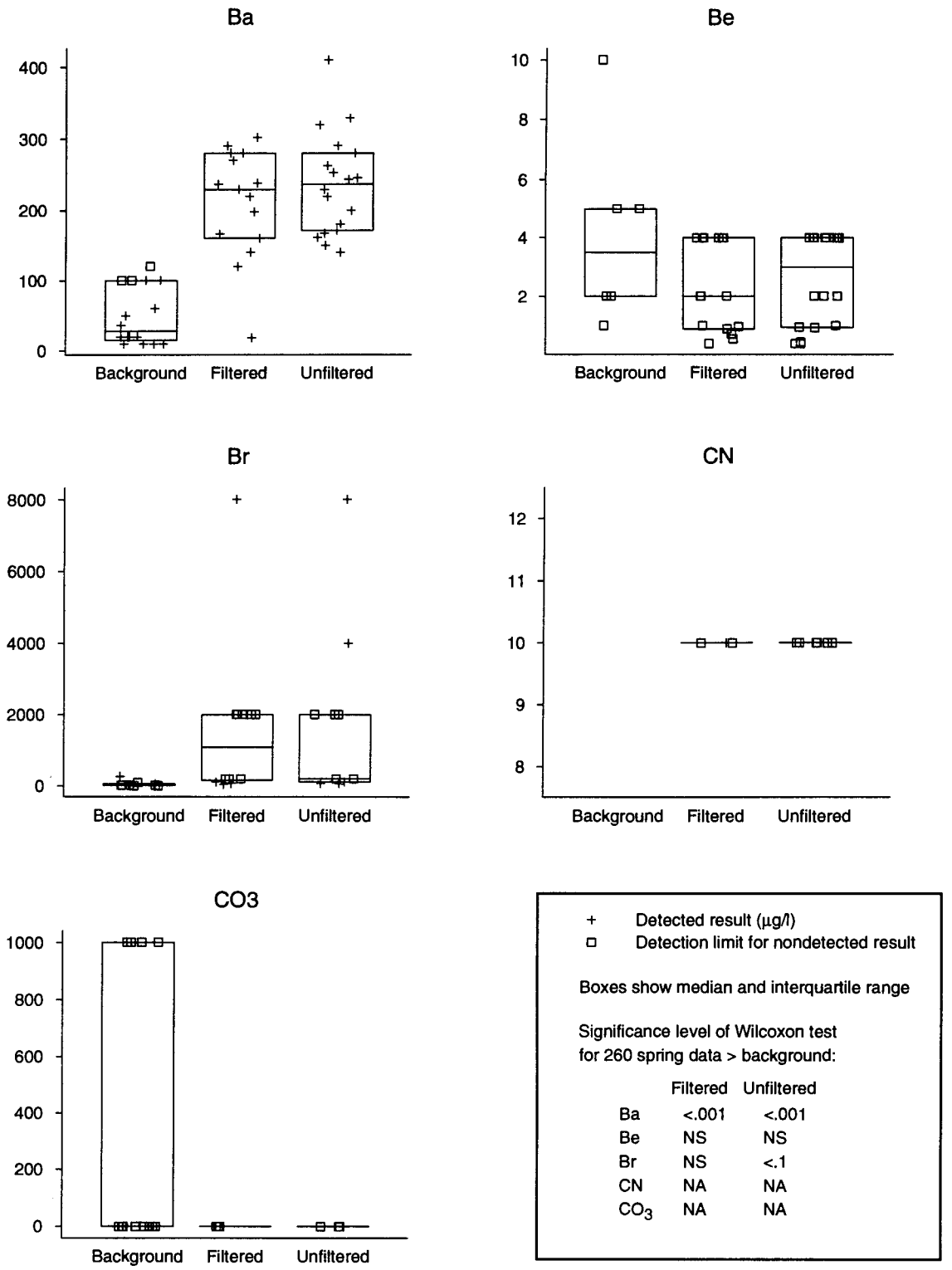


Figure D-1.6-1. Background comparisons for groundwater in TA-16 springs (continued)

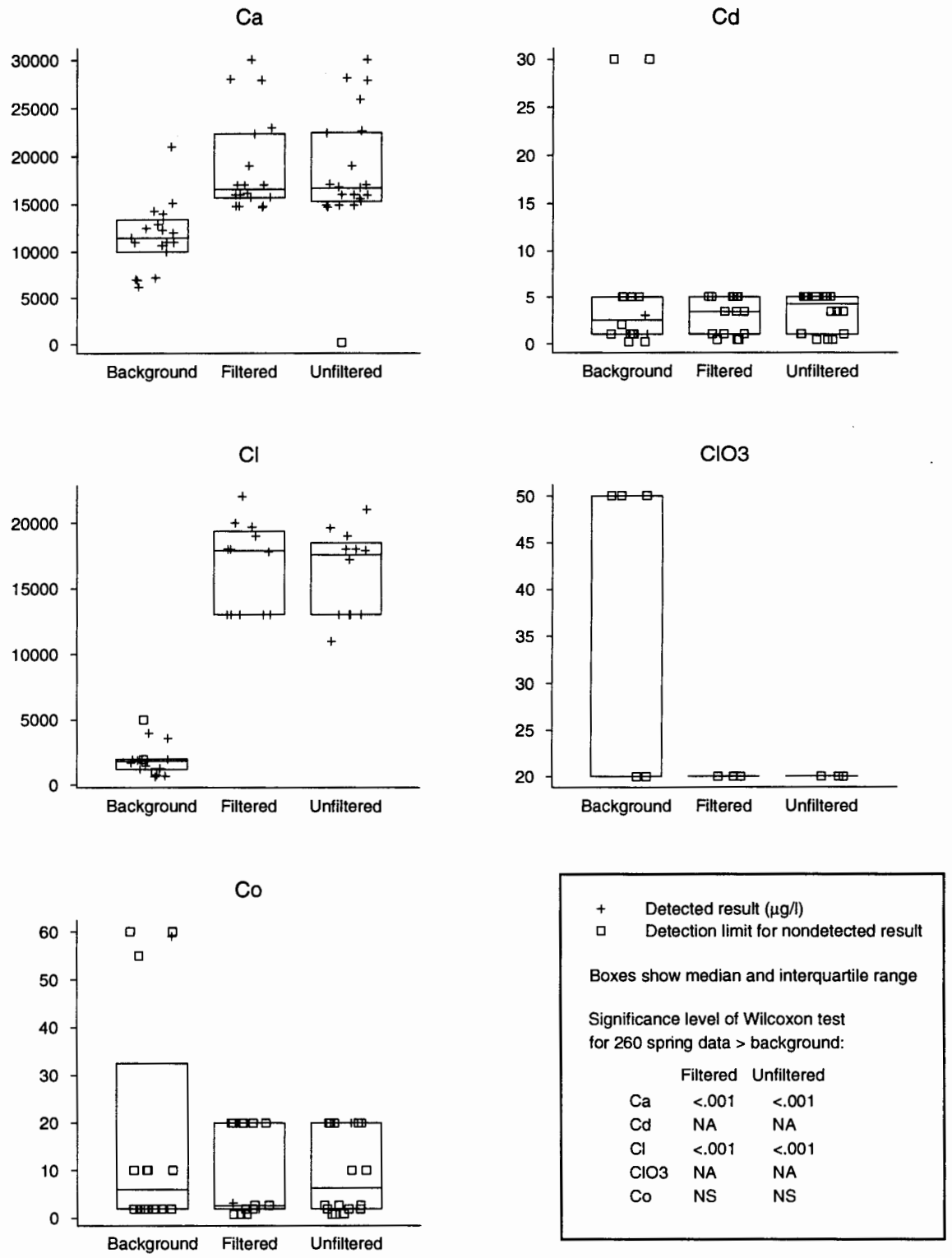


Figure D-1.6-1. Background comparisons for groundwater in TA-16 springs (continued)

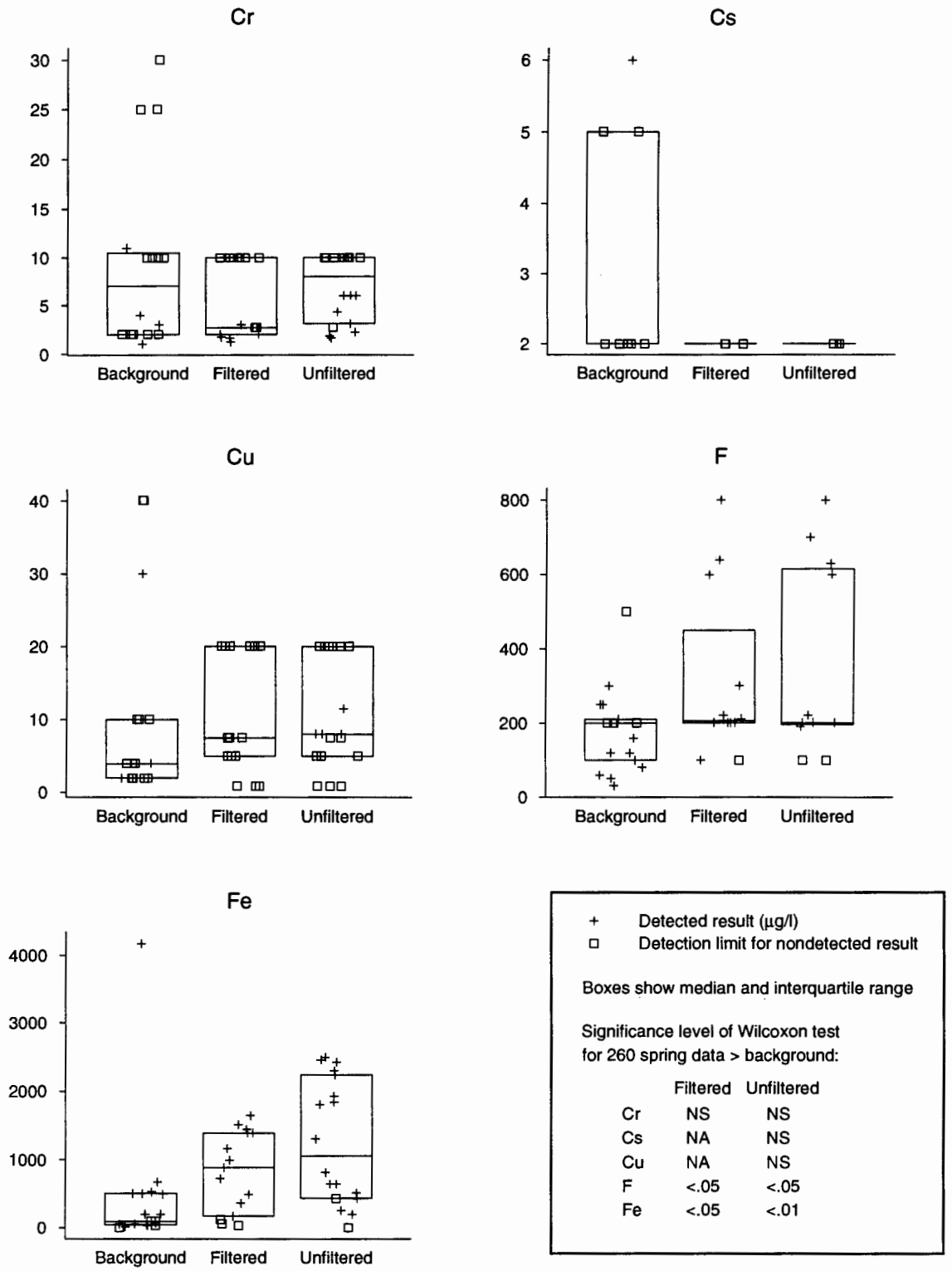
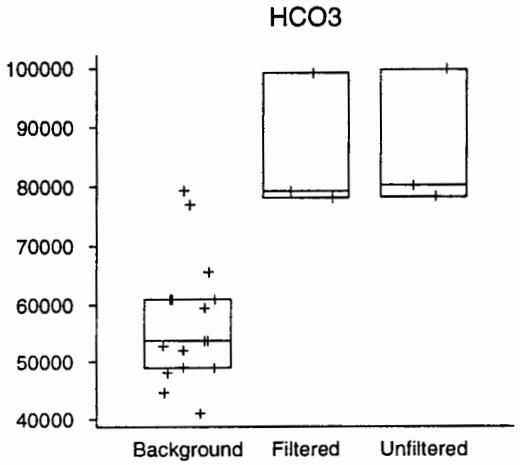
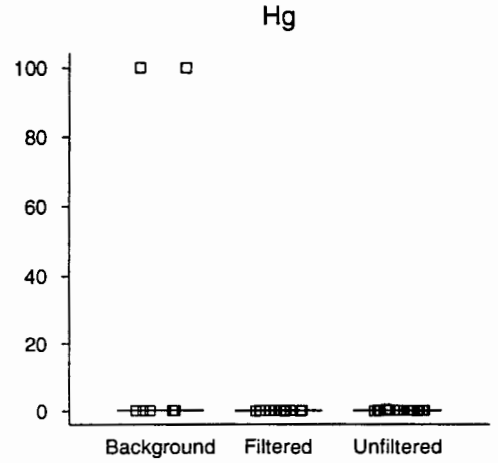
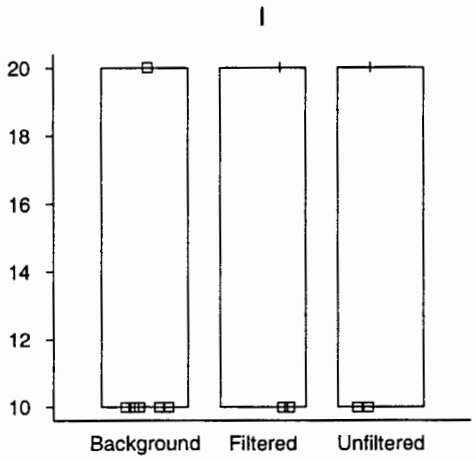
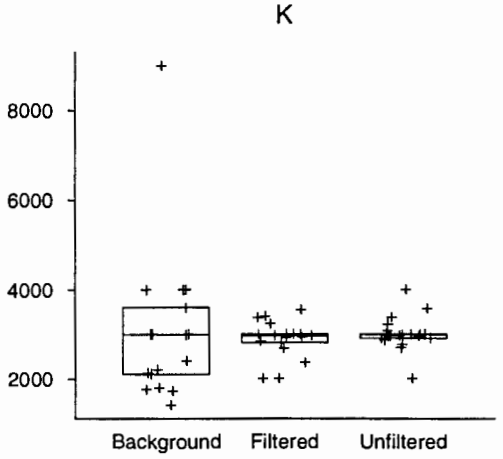


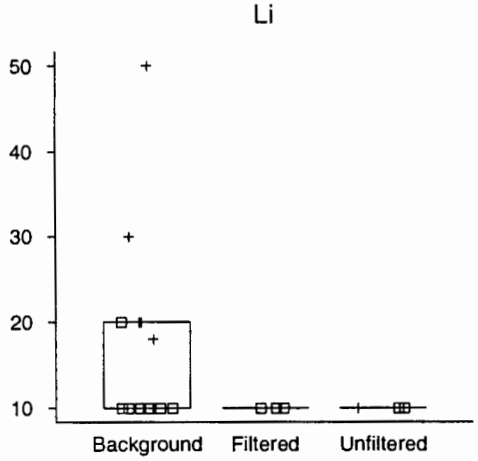
Figure D-1.6-1. Background comparisons for groundwater in TA-16 springs (continued)











+ Detected result (µg/l)
□ Detection limit for nondetected result

Boxes show median and interquartile range

Significance level of Wilcoxon test
for 260 spring data > background:

	Filtered	Unfiltered
HCO3	<.01	<.01
Hg	NA	NA
I	NA	NA
K	NS	NS
Li	NA	NS

Figure D-1.6-1. Background comparisons for groundwater in TA-16 springs (continued)

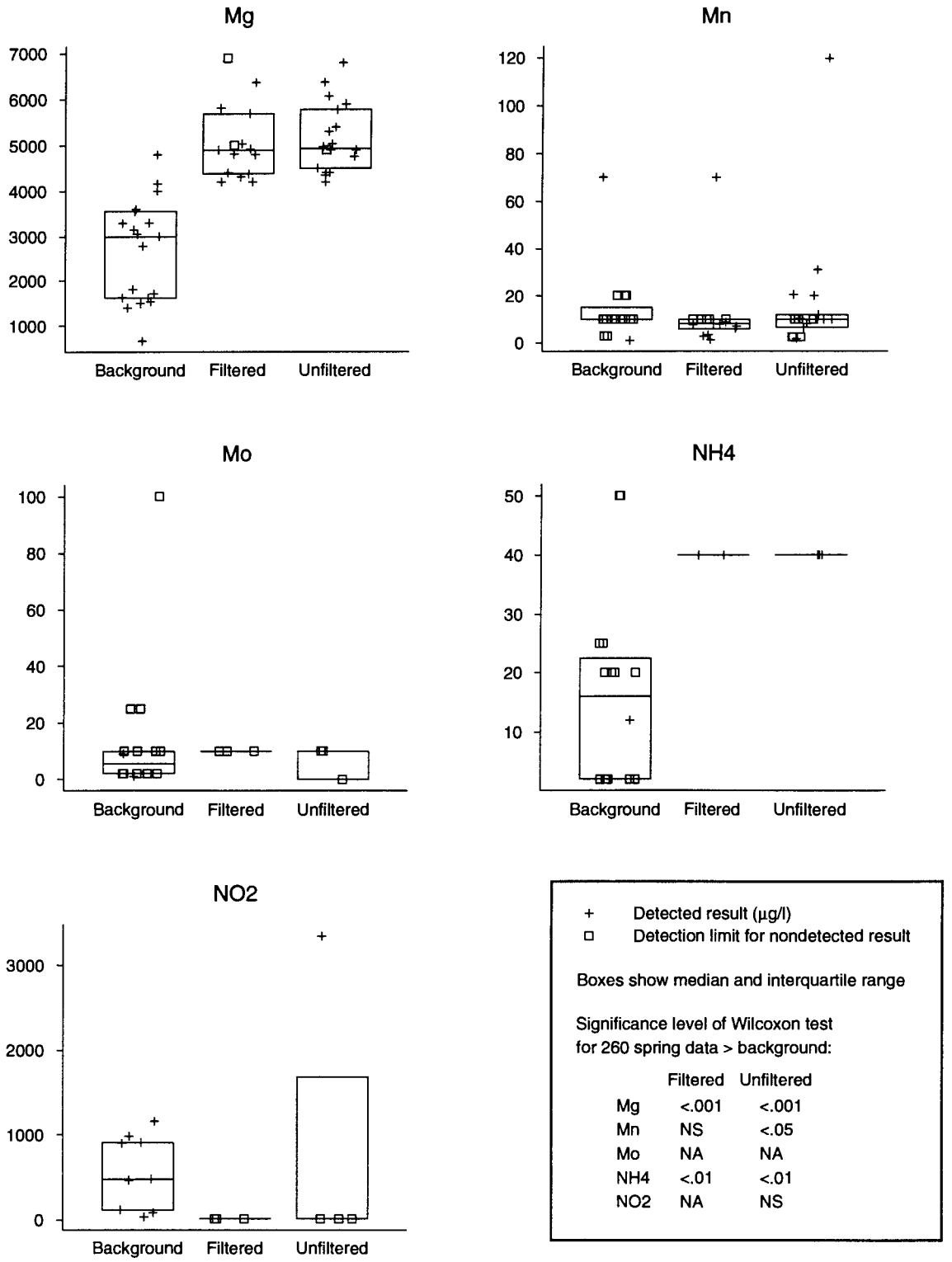


Figure D-1.6-1. Background comparisons for groundwater in TA-16 springs (continued)

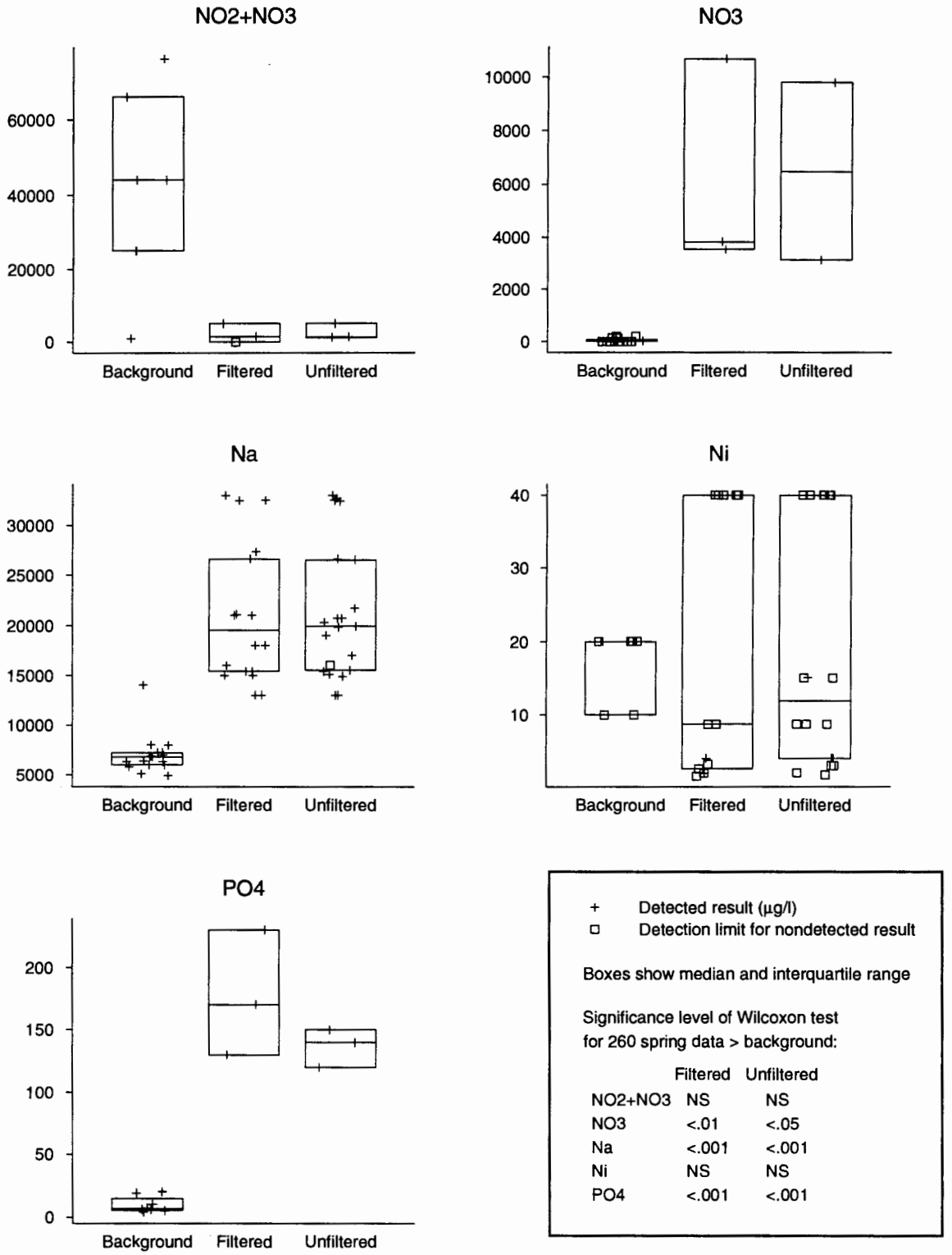


Figure D-1.6-1. Background comparisons for groundwater in TA-16 springs (continued)

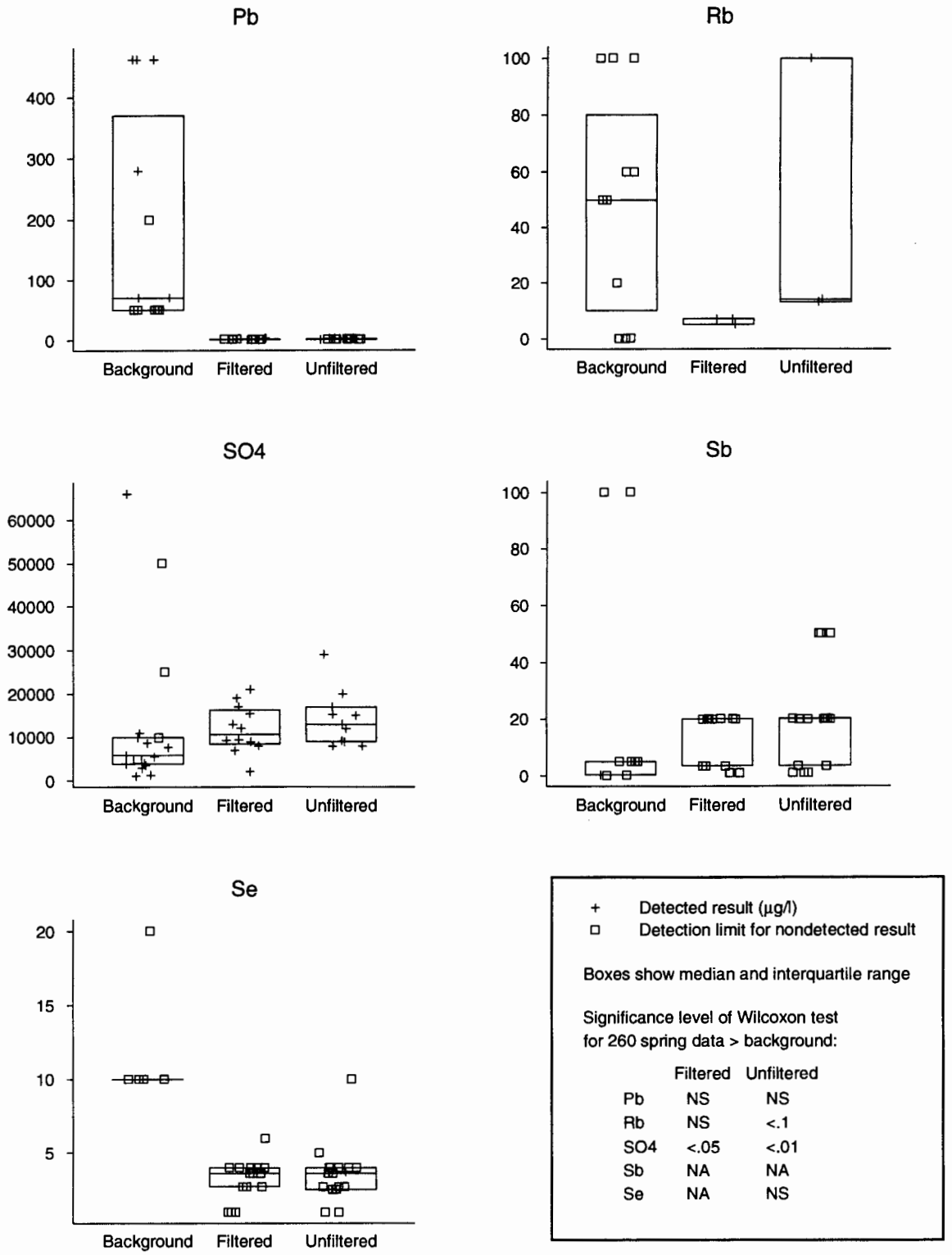


Figure D-1.6-1. Background comparisons for groundwater in TA-16 springs (continued)

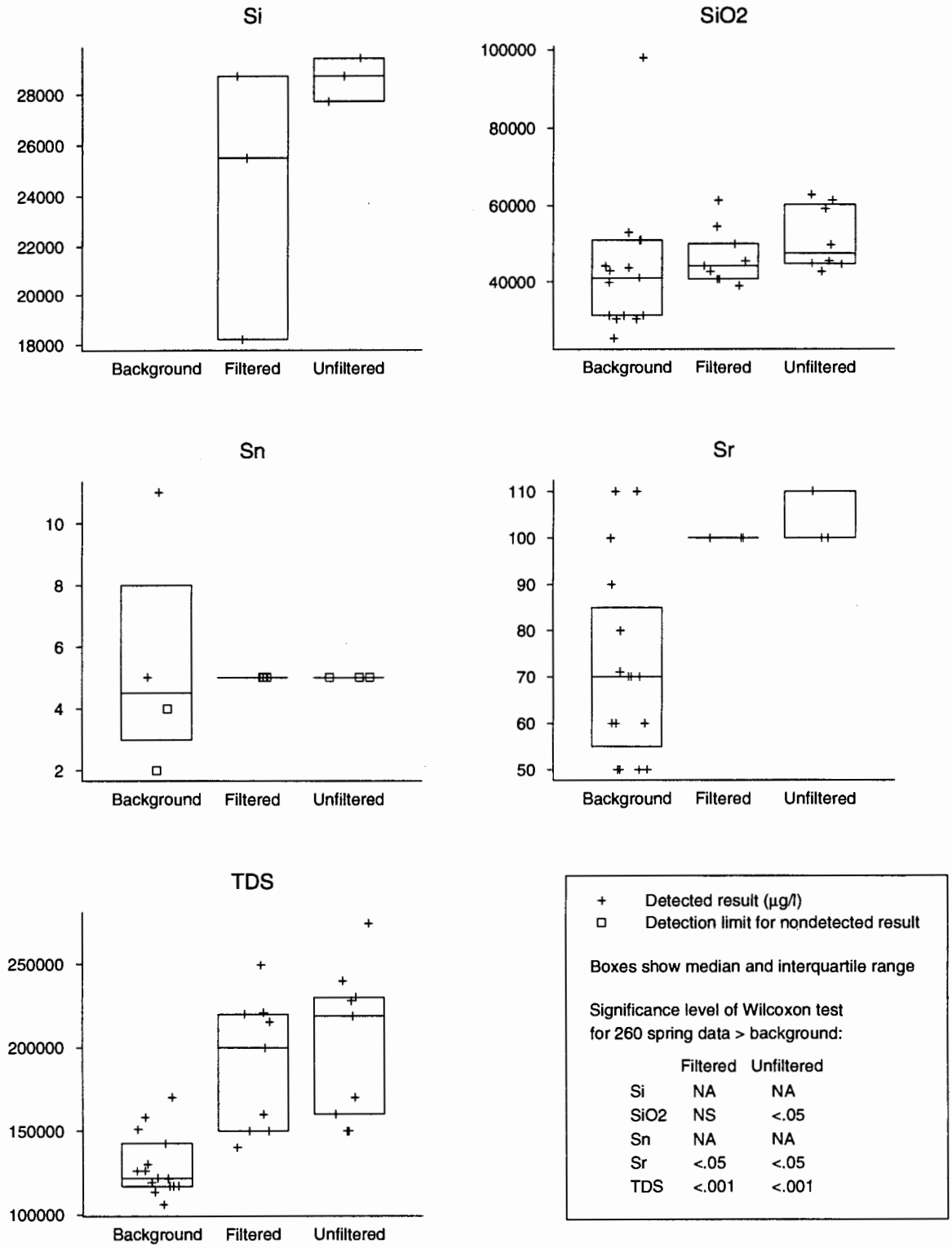
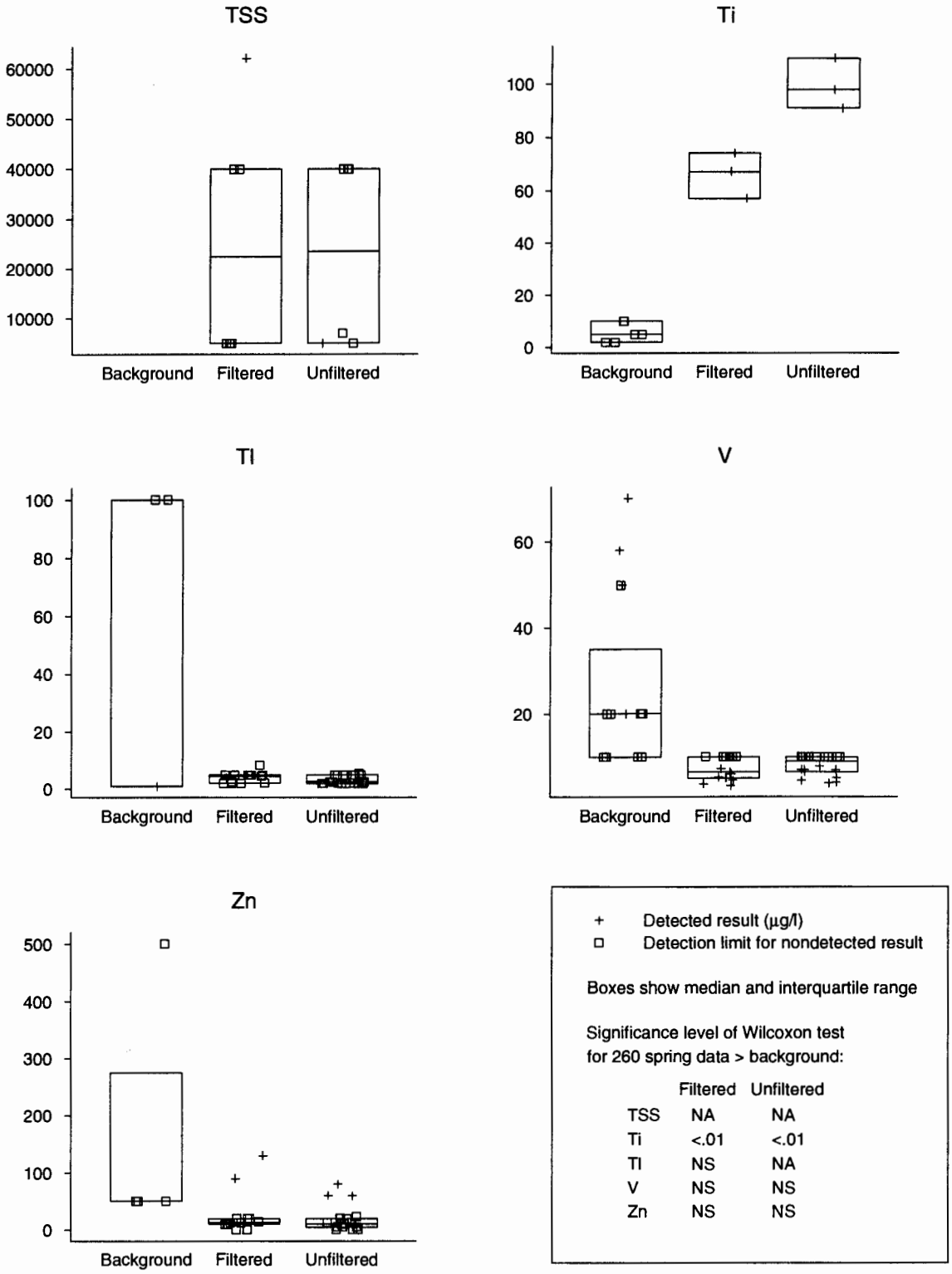


Figure D-1.6-1. Background comparisons for groundwater in TA-16 springs (continued)



	Filtered	Unfiltered
TSS	NA	NA
Ti	<.01	<.01
Tl	NS	NA
V	NS	NS
Zn	NS	NS

Figure D-1.6-1. Background comparisons for groundwater in TA-16 springs (concluded)

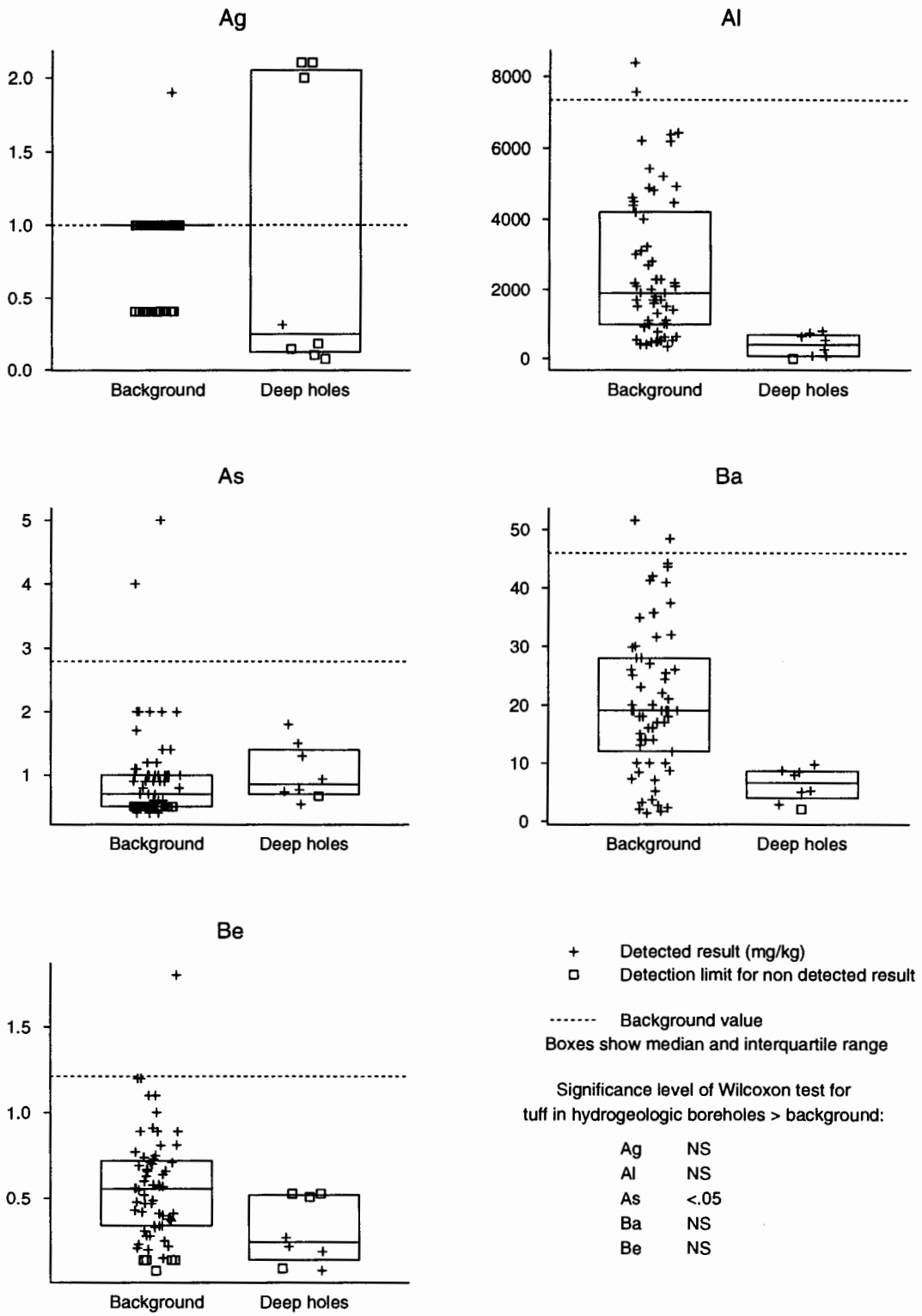


Figure D-1.6-2. Background comparisons for tuff in hydrogeological boreholes

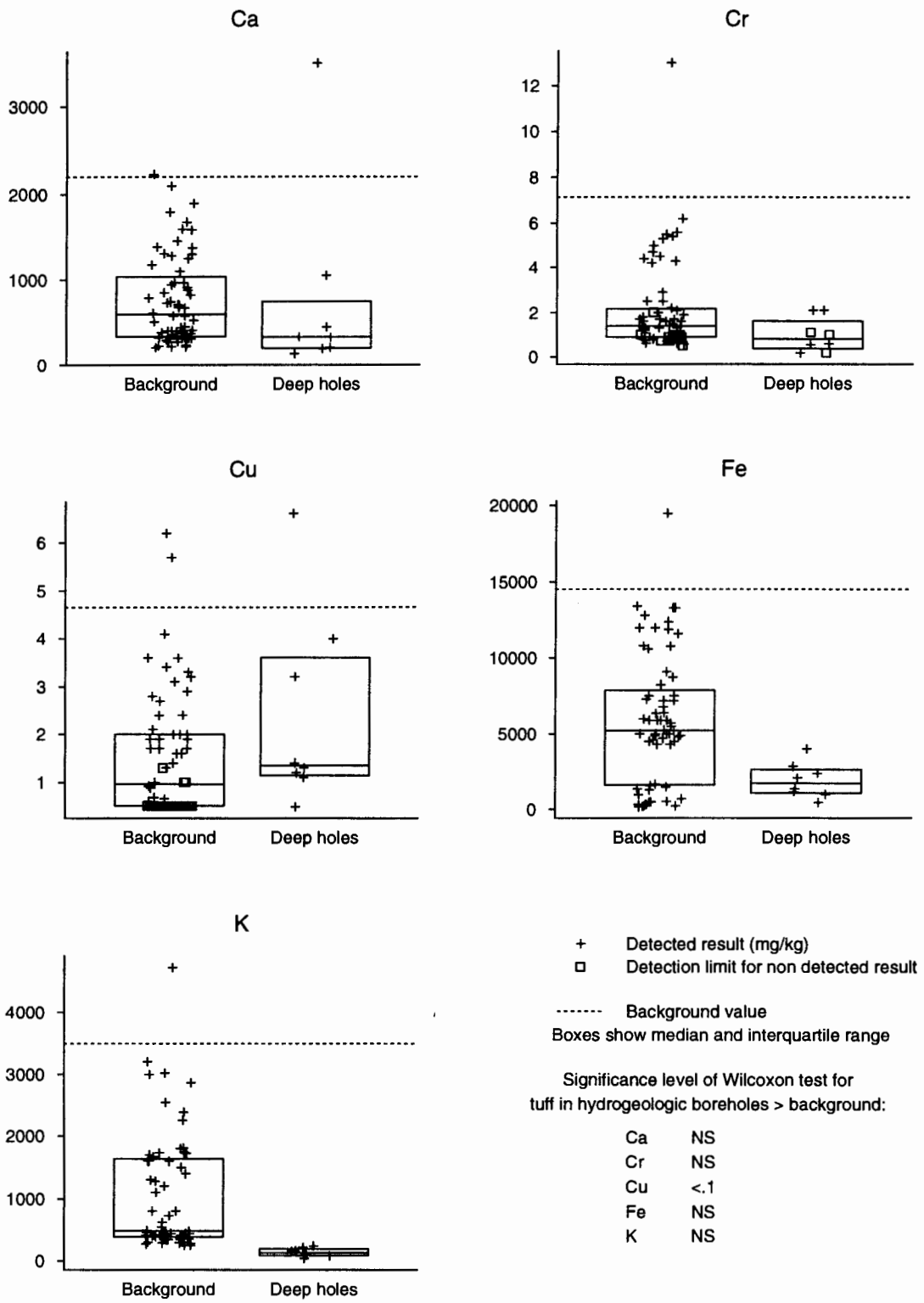


Figure D-1.6-2. Background comparisons for tuff in hydrogeological boreholes (continued)

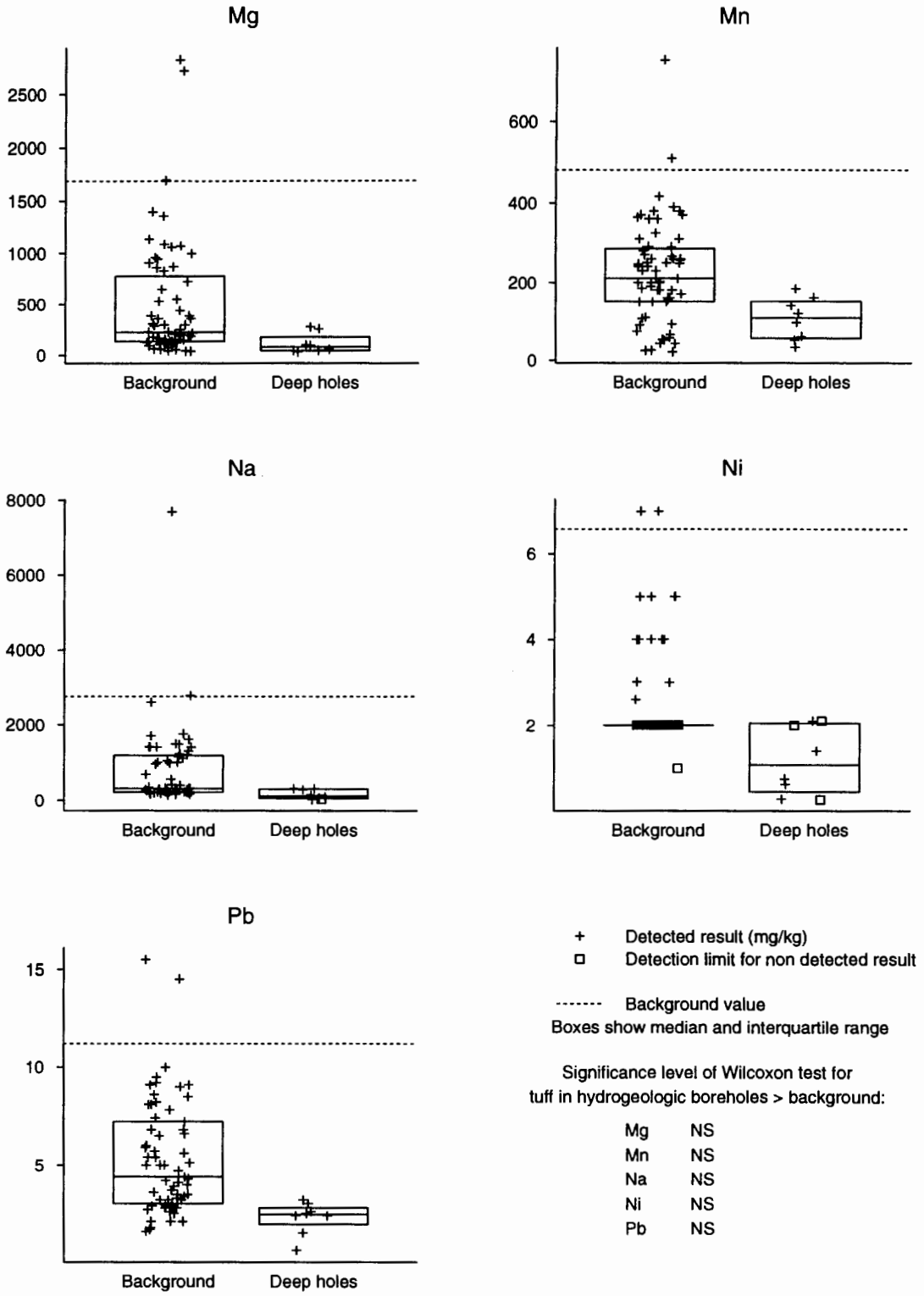
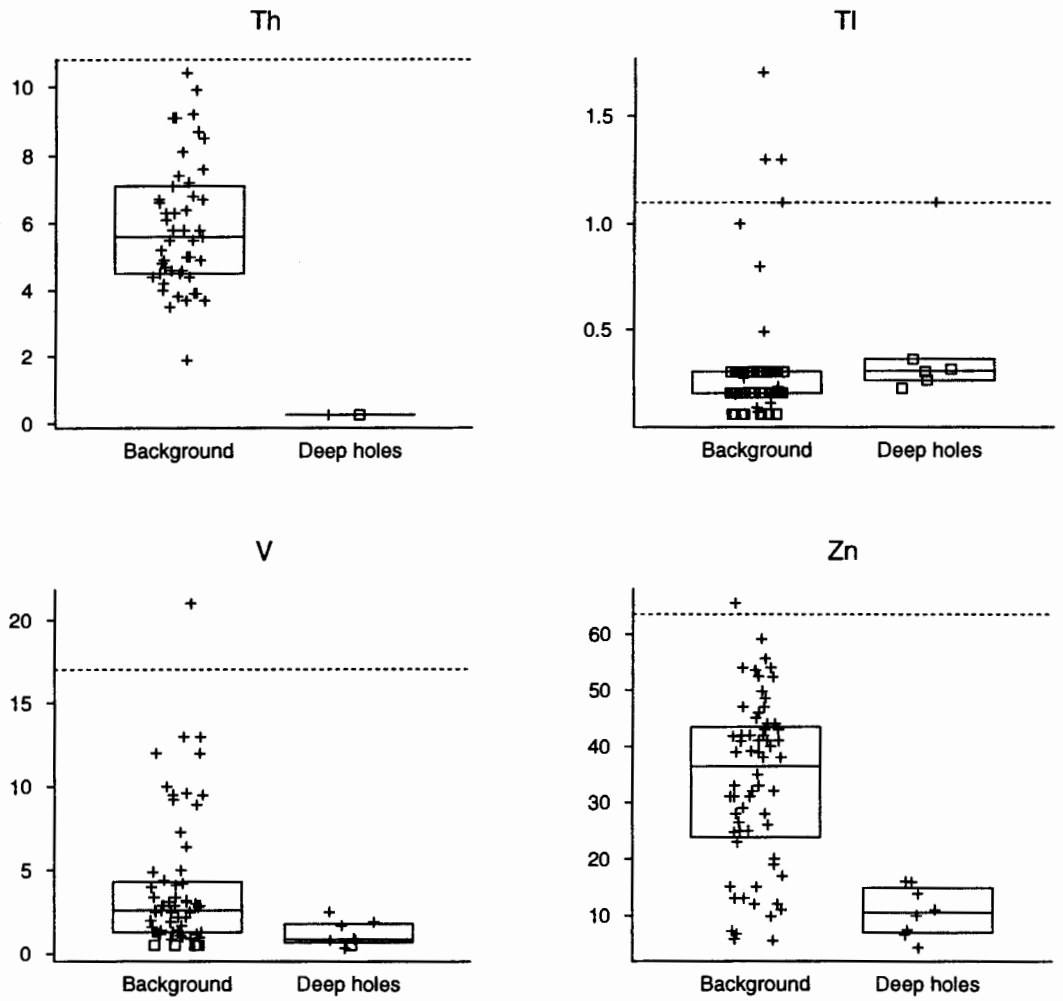


Figure D-1.6-2. Background comparisons for tuff in hydrogeological boreholes (continued)



+ Detected result (mg/kg)
□ Detection limit for non detected result

------- Background value
Boxes show median and interquartile range

Significance level of Wilcoxon test for
tuff in hydrogeologic boreholes > background:

Th	NS
Tl	NS
V	NS
Zn	NS

Figure D-1.6-2. Background comparisons for tuff in hydrogeological boreholes (concluded)

D-2.0 HUMAN HEALTH SCREENING ASSESSMENT CALCULATIONS

D-2.1 Equations and Parameters for Derivation of Site-Specific Screening Action Levels (SSALs)

D-2.1.1 Soil (Inhalation, Ingestion, and Dermal)

$$SAL_{nc}\,(mg/kg) = \frac{HQ\ x BW\ x\ AT}{EF\ x\ ED\left(\left[IRi\ x\ \frac{1}{PEF}\ x\ ET\ x \frac{1}{RfDi}\right] + \left[(IR_s\ x\ FI\ x\ CF) + (SA\ x\ CF\ x\ AF\ x\ ABS)\right]\left[\frac{1}{RfD_o}\right]\right)}$$

$$SAL_c\,(mg/kg) = \frac{TR\ x\ BW\ x\ AT}{EF\ x\ ED\left(\left[IRi\ x\ \frac{1}{PEF}\ x\ ET\ x\ SFi\right] + \left[(IR_s\ x\ FI\ x\ CF) + (SA\ x\ CF\ x\ AF\ x\ ABS)\right][SF_o]\right)}$$

nc = noncancer
c = cancer

	Environmental Worker	Trail User	Industrial/ Construction
HQ = target hazard quotient (unitless)	1	1	1
BW = body weight (kg)	70[a]	70[a]	70[a]
AT = averaging time (period over which exposure is averaged - days) noncarcinogenic effects carcinogenic effects	2555[b] 25550[c]	9125[b] 25550[c]	9125[b]/365[b] 25550[c]
EF = exposure frequency (days/year)	150[d, e]	250[f]	250[f]
ED = exposure duration (years)	7[d]	25[a]	25[a]/1.0[g]
IR_i = inhalation rate (m^3/hour)	1.5[h]	1.7[i]	1.7[i]/2.2[k]
PEF = particulate emission factor (m^3/kg)	1.316×10^9 [l]	1.316×10^9 [l]	1.316×10^9 [l]
ET = exposure time (hours/day)	8[d]	0.5[m]	4[n]/8[a]
RfD_i = inhalation reference dose (mg/kg-day)	chemical-specific	chemical-specific	chemical-specific
IR_s = ingestion rate (mg soil/day)	100[a]	100[a]	100[a]/480[o]
FI = fraction ingested from contaminated source (unitless)	1[a, p]	0.0625[q]	1[a p]
CF = conversion factor (kg/mg)	1E-06	1E-06	1E-06
SA = skin surface area available for contact (cm^2/event)	3200[r]	5300[s]	3200[r]
CF = conversion factor (kg/mg)	1E-06	1E-06	1E-06
AF = soil to skin adherence factor (mg/cm^2)	1.0[a]	1.0[a]	1.0[a]

	Environmental Worker	Trail User	Industrial/ Construction
ABS = absorption factor (unitless)	chemical-specific[t]	chemical-specific[t]	chemical-specific[t]
RfD_o = oral reference dose (mg/kg-day)	chemical-specific	chemical-specific	chemical-specific
TR = target cancer risk	$1x10^{-6}$	$1x10^{-6}$	$1x10^{-6}$
SF_o = oral slope factor $(mg/kg\text{-}day)^{-1}$	chemical-specific	chemical-specific	chemical-specific
SF_i = inhalation slope factor $(mg/kg\text{-}day)^{-1}$	chemical-specific	chemical-specific	chemical-specific

[a] Default value (EPA 1991, 56140)

[b] ED x 365 days/year

[c] 70 years x 365 days/year

[d] Site-specific information obtained from personal interviews with ICF Kaiser field workers, May 29, 1998

[e] Assumes a three day work week for 50 weeks

[f] Assumes a five day work week for 50 weeks

[g] Assumes construction worker is working onsite for one year. Standard default value (EPA 1991, 56140)

[h] Inhalation rate for outdoor workers at moderate activity (EPA 1996)

[i] Mean inhalation rate for moderate activity for short-term exposures, males 18-29 (EPA 1996)

[j] Outdoor inhalation rate of 1.7m3/hour equal to 0.5 exposure time at light activity + 0.25 exposure time at moderate activity, adult male inhalation rate (inhalation rates at activity levels given in EPA 1989)

[k] Outdoor inhalation rate of 2.2m3/hour equal to 0.5 exposure time at light activity + 0.5 exposure time at moderate activity, + 0.25 exposure time at heavy activity, adult male inhalation rate (inhalation rates at activity levels given in EPA 1989)

[l] Default value (EPA Region 9 PRGs, 1998, 58751)

[m] Assumes 1 hour of trail use per day, but potential exposure to outfall contaminants only one half of that time

[n] Site-specific, assumes 4 hours working outdoors per day for RME.

[o] Default value (EPA 1991, 56140). For evaluation of exposure to areas of surface and subsurface contamination as appropriate. Evaluation limited to contaminants in soil at depths of 12 feet or less. Rate of 480 mg/day for the construction worker based on EPA guidance (EPA 1991, 56140), to account for substantial soil contact and potential ingestion of inhaled material that is not retained in the lungs

[p] Most conservative assumption of soil consumption fraction from contaminated source

[q] Assumes soil ingested from trail is proportional to fraction of 8 hour "active" day spent on trail (1/2 hour/8 hour day) in outfall area

[r] Assumes individual wears short sleeve shirt, pants, and shoes. The exposed skin surface area is limited to the head, forearms, and hands (SA for these body parts from EPA 1992, 59184)

[s] Assumes individual wears a short sleeve shirt, shorts, and shoes. The exposed skin surface is limited to the head, hands, forearms, and lower legs (EPA 1992, 59184)

[t] Default values of 0.01 for inorganic chemicals and 0.1 for organic chemicals are recommended where chemical-specific values are unavailable (EPA 1995)

D-2.1.2 Sediment (ingestion, Dermal)

$$SAL_{nc}\,(mg/kg) = \frac{HQ \times BW \times AT}{EF \times ED\left(\left([IR_s \times CF \times FI] + [SA \times CF \times AF \times ABS]\right)\left(\frac{1}{RfD_o}\right)\right)}$$

$$SAL_c\,(mg/kg) = \frac{TR \times BW \times AT}{EF \times ED\left(\left[(IR \times CF \times FI) + (SA \times CF \times AF \times ABS)\right][SF_o]\right)}$$

nc = noncancer

c = cancer

	Environmental Worker	Trail User	Industrial/ Construction
HQ = target hazard quotient (unitless)	1	NA	NA
BW = body weight (kg)	70[a]	NA	NA
AT = averaging time (period over which exposure is averaged - days)			
noncarcinogenic effects	2555[b]	NA	NA
carcinogenic effects	25550[c]	NA	NA
EF = exposure frequency (days/year)	3[d]	NA	NA
ED = exposure duration (years)	7[d]	NA	NA
IR_s = ingestion rate sediment	50[e]	NA	NA
CF = conversion factor (kg/mg)	1E-06	NA	NA
FI = fraction ingested from contaminated source (unitless)	1[a f]	NA	NA
SA = skin surface area available for contact (cm^2/event)	3200[g]	NA	NA
CF = conversion factor (kg/mg)	1E-06	NA	NA
AF = soil to skin adherence factor (mg/cm^2)	1.0[h]	NA	NA
ABS = absorption factor (unitless)	chemical-specific[i]	NA	NA
RfD_o = oral reference dose (mg/kg-day)	chemical-specific	NA	NA
TR = target cancer risk	1×10^{-6}	NA	NA
SF_o = oral slope factor $(mg/kg\text{-}day)^{-1}$	chemical-specific	NA	NA

[a] Default value (EPA 1991, 0746), (EPA 1989, 0340)

[b] ED x 365 days/year

[c] 70 years x 365 days/year

[d] Site-specific information obtained from personal interviews with ICF Kaiser field workers, May 18, 1998 (Kaiser 1998, 59110)

[e] Best professional judgement

[f] Best professional judgement of sediment consumption fractions from contaminated source

[g] Assumes individual wears short sleeve shirts, pants, and shoes. The exposed skin surface area is limited to the head, forearms, and hands (SA for these body parts from EPA 1992, 59184)

[h] Recommended default value for soil (EPA 1992, 59184)

[i] Default values of 0.01 for inorganic chemicals and 0.1 for organic chemicals are recommended when chemical-specific values are unavailable (EPA 1995)

D-2.1.3 Surface Water (Dermal)

$$SAL_{nc}\,(mg/L) = \frac{HQ \times BW \times AT}{ET \times EF \times ED\left((SA \times PC \times CF)\left[\frac{1}{RfD_o}\right]\right)}$$

$$SAL_{c}\,(mg/L) = \frac{TR \times BW \times AT}{ET \times EF \times ED\left((SA \times PC \times CF)[SF_o]\right)}$$

nc = noncancer

c = cancer

	Environmental Worker	Trail User	Industrial/ Construction
HQ = target hazard quotient (unitless)	1	1	NA
BW = body weight (kg)	70[a]	70[a]	NA
AT = averaging time (period over which exposure is averaged - days) noncarcinogenic effects carcinogenic effects	 2555[b] 25550[c]	 9125[b] 25550[c]	 NA NA
ET - exposure time (hours/day)	2[d]	0.08[d,e]	NA
EF = exposure frequency (days/year)	5[d]	40[f]	NA
ED = exposure duration (years)	7[d]	12[g]	NA
SA = skin surface area available for contact (cm^2/event)	3200[h]	5300[i]	NA
PC - dermal permeability constant (cm/hr)	chemical-specific[j]	chemical-specific[j]	NA
CF = conversion factor (liter/cm^3)	0.001	0.001	NA
RfD_o = oral reference dose (mg/kg-day)	chemical-specific	chemical-specific	NA
TR = target cancer risk	1×10^{-6}	1×10^{-6}	NA
SF_o = oral slope factor $(mg/kg\text{-}day)^{-1}$	chemical-specific	chemical-specific	NA

[a] Default value (EPA 1989), (EPA 1991)

[b] ED x 365 days/year

[c] 70 years x 365 days/year

[d] Site-specific information obtained from personal interviews with ICF Kaiser field workers, May 18, 1998 (Kaiser 1998, 59110)

[e] Assumes 5 minutes for amount of time spent wading in surface water (5/60 = 0.08)

[f] Best professional judgement for frequency of surface water ingestion events

[g] Assumes receptor encounters surface water 1 day/week during the 3 summer months (1 day/wk x 3 mos x 4 wks/mo) for likely wading frequency

[h] Assumes exposed skin surface is limited to the head, forearms, and hands (EPA 1992, 59184)

[i] Assumes hands, forearms, and lower legs exposed; mean SA adult males (EPA 1992, 59184)

[j] Derived from literature values (default values of 1 used for organics, 1×10^{-3} for inorganics) (EPA 1992, 59184)

Table D-2.1-1
Toxicity Values

Chemical List	Carc. Class	Sfo (mg/kg-d)$^{-1}$	RfDo (mg/kg-d)	Sfi (1/mg/kg-d)$^{-1}$	RfDi (mg/kg-d)
Volatiles					
Acetone			1.00E-01		1.00E-01
Benzene	A	2.90E-02	3.00E-03	2.90E-02	1.70E-03
Butylbenzene [sec-]			1.00E-02		1.00E-02
Dichlorobenzene [1,2-]			9.00E-02		5.70E-02
Isopropyltoluene [4-]					
Methylene Chloride	B2	7.50E-03	6.00E-02	1.60E-03	8.60E-01
Nitrotoluene[3-] [m-]			1.00E-02		1.00E-02
Nitrotoluene[4-][p-]			1.00E-02		1.00E-02
Toluene			2.00E-01		1.10E-01
Trichloroethane [1,1,1-]			3.50E-02		2.90E-01
Trimethylbenzene [1,2,4-]			5.00E-02		1.70E-03
Semi-Volatiles					
Anthracene			3.00E-01		3.00E-01
Benzoic Acid			4		4
Benzyl Alcohol			3.00E-01		3.00E-01
Bis(2-ethylhexyl)phthalate	B2	1.40E-02	2.00E-02	1.40E-02	2.20E-02
Bromomethane			1.40E-03		1.40E-03
Chloromethane	C	1.30E-02		6.30E-03	
2-chlorophenol			5.00E-03		5.00E-03
Di-n-butylphthalate			1.00E-01		1.00E-01
Di-n-octylphthalate			2.00E-02		2.00E-02
Dichloroethane[1,2-]		9.10E-02	2.90E-03	9.10E-02	2.90E-03
Dichloroethene[cis 1,2-]			1.00E-02		1.00E-02
Dichlorofluoromethane [a]			2.00E-01		5.70E-02
Diethylphthalate			8.00E-01		8.00E-01
Dinitrotoluene [2,4-]			2.00E-03		2.00E-03
Dinitrotoluene [2,6-]			1.00E-03		1.00E-03
Fluoranthene			4.00E-02		4.00E-02
Hexachlorocyclopentadiene			7.00E-03		2.00E-05
Nitrosodimethylanime [N-]	B2	5.10E+01		4.90E+01	
Nitrosodiphenylamine [N-]	B2	4.90E-03		4.90E-03	
m-Nitrotoluene (3-)			1.00E-02		1.00E-02
p-Nitrotoluene (4-)			1.00E-02		1.00E-02
Phenanthrene					
Phenol			6.00E-01		6.00E-01
Pyrene			3.00E-02		3.00E-02
trichloroethene	B2	5.20E-02	1.00E-02	2.00E-03	1.10E-01
Trichloro-1,2,2-trifluoroethane [b]			3.00E+01		3.00E+01
Trichloroethene	B2	1.10E-02	6.00E-03	6.00E-03	6.00E-03
Trichlorofluoromethane			3.00E-01		2.00E-01

Table D-2.1-1 (concluded)

Chemical List	Carc. Class	Sfo (mg/kg-d)$^{-1}$	RfDo (mg/kg-d)	Sfi (1/mg/kg-d)$^{-1}$	RfDi (mg/kg-d)
Metals					
Aluminum			1		
Antimony			4.00E-04		
Arsenic	A	1.5	3.00E-04	1.50E+01	
Barium			7.00E-02		1.40E-04
Beryllium	B1		2.00E-03	8.4	5.70E-06
Boron			9.00E-02		5.70E-03
Cadmium			5.00E-04	6.3	5.70E-05
Cesium					
Chromium (*1/6 ratio Cr VI/CrIII)			4.20E+01		
Cobalt			6.00E-02		5.70E-06
Copper			3.70E-02		
Cyanide[c]			2.00E-02		
Fluoride (soluble)			6.00E-02		
Iron			3.00E-01		
Lead					
Manganese			4.70E-02		1.40E-05
Mercury (elemental)					8.60E-05
Nickel (soluble salts)			2.00E-02		
Selenium			5.00E-03		
Silver			5.00E-03		
Strontium (*stable)			6.00E-01		
Thallium		7.00E-05			
Uranium (soluble salts)		3.00E-03			
Vanadium			7.00E-03		
Zinc			3.00E-01		
High Explosives					
Amino-2,6-dinitrotoluene [4-]			1.00E-03		1.00E-03
Amino-4,6-dinitrotoluene [2-]			1.00E-03		1.00E-03
Dinitrobenzene [1,3-]			1.00E-04		1.00E-04
Dinitrotoluene [2,4-]			2.00E-03		2.00E-03
Dinitrotoluene [2,6]			1.00E-03		1.00E-03
Dinitrotoluene mix	B2	6.80E-01		6.80E-01	
HMX			5.00E-02		5.00E-02
Nitrobenzene			5.00E-04		5.70E-04
RDX	B2	1.10E-01	3.00E-03	1.10E-01	3.00E-03
Trinitrobenzene [1,3,5-]			3.00E-02		3.00E-02
Trinitrotoluene [2,4,6-]	C	3.00E-02	5.00E-04	3.00E-02	5.00E-04

[a] substituted dichlorodifluoromethane for dichlorofluoromethane

[b] substitued 1,1,2-trichloro-1,2,2-trifluoroethane for trichloro-1,2,2-trifluoroethane

[c] substituted cyanide free for cyanide

D-2.2 Site-Specific Screening Action Levels

Table D-2.2-1
Calculated SSALs for an Industrial Worker

Chemical	Soil SSALs (mg/kg)	
	Non-cancer	Cancer
VOCs		
Acetone	2.43E+04	
Benzene	7.30E+02	2.35E+01
Butylbenzene [sec-]	2.43E+03	
Dichlorobenzene [1,2-]	2.19E+04	
Isopropyltoluene [4-]		
Methylene Chloride	1.46E+04	9.08E+01
Nitrotoluene[3-] [m-]	2.43E+03	
Nitrotoluene[4-][p-]	2.43E+03	
Toluene	4.87E+04	
Trichloroethane [1,1,1-]	8.52E+03	
Trimethylbenzene [1,2,4-]	1.22E+04	
Semi-Volatiles		
Anthracene	7.30E+04	
Benzoic Acid	> 1.00E+05[b]	
Benzyl Alcohol	7.30E+04	
Bis(2-ethylhexyl)phthalate	4.87E+03	4.87E+01
Bromomethane	3.41E+02	
Chloromethane		5.24E+01
2-chlorophenol	1.22E+03	
Di-n-butylphthalate	2.43E+04	
Di-n-octylphthalate	4.87E+03	
Dichloroethane[1,2-]	7.06E+02	7.49E+00
Dichloroethene[cis 1,2-]	2.43E+03	
Dichlorofluoromethane (b)	4.87E+04	
Diethylphthalate	> 1.00E+05	
Dinitrotoluene [2,4-]	4.87E+02	
Dinitrotoluene [2,6-]	2.43E+02	
Fluoranthene	9.73E+03	
Hexachlorocyclopentadiene	1.70E+03	
Nitrosodimethylanime [N-]		1.34E-02
Nitrosodiphenylamine [N-]		1.39E+02
m-Nitrotoluene (3-)	2.43E+03	
p-Nitrotoluene (4-)	2.43E+03	
Phenanthrene		

Table D-2.2-1 (continued)

Chemical	Soil SSALs (mg/kg)	
	Non-cancer	Cancer
Semi-Volatiles (continued)		
Phenol	> 1.00E+05	
Pyrene	7.30E+03	
Tetrachloroethene	2.43E+03	1.31E+01
Trichloro-1,2,2-trilluoroethan (c)	> 1.00E+05	
Trichloroethene	1.46E+03	6.19E+01
Trichlorofluoromethane	7.30E+04	
Metals		
Aluminum	> 1.00E+05[a]	
Antimony	3.10E+02[a]	
Arsenic	2.32E+02[a]	1.44E+00
Barium	5.32E+04	
Beryllium	1.53E+03	6.59E+03[a]
Bicarbonate		
Boron	6.96E+04	
Bromide		
Cadmium	3.87E+02	8.79E+03[a]
Calcium		
Carbonate		
Cesium		
Chloride		
Chromium (*1/6 ratio Cr VI/CrIII)	> 1.00E+05[a]	
Cobalt	3.29E+04	
Copper	2.86E+04[a]	
Cyanide (a)	1.55E+04[a]	
Fluoride (soluble)	4.65E+04[a]	
Iron	> 1.00E+05[a]	
Lead		
Magnesium		
Manganese	3.22E+04	
Mercury (elemental)	> 1.00E+05[a]	
Nickel (soluble salts)	1.55E+04[a]	
Nitrogen, Ammonium		
Nitrogen, Nitrate + Nitrites		
Nitrogen, Nitrate (Expressed as NO3)		
Phosphorus, Ortho		
Potassium		
Rubidium		

Table D-2.2-1 (concluded)

Chemical	Soil SSALs (mg/kg)	
	Non-cancer	Cancer
Metals (continued)		
Selenium	3.87E+03[a]	
Silicon		
Silicon Dioxide		
Silver	3.87E+03[a]	
Sodium		
Strontium (*stable)	> 1.00E+05[a]	
Sulfate		
Thallium	5.42E+01[a]	
Titanium		
Uranium (soluble salts)	2.32E+03[a]	
Vanadium	5.42E+03[a]	
Zinc	> 1.00E+05[a]	
High Explosives		
Amino-2,6-dinitrotoluene [4-]	2.43E+02	
Amino-4,6-dinitrotoluene [2-]	2.43E+02	
Dinitrobenzene [1,3-]	2.43E+01	
Dinitrotoluene [2,4-]	4.87E+02	
Dinitrotoluene [2,6]	2.43E+02	
Dinitrotoluene mix		1.00E+00
HMX	1.22E+04	
Nitrobenzene	1.22E+02	
RDX	7.30E+02	6.19E+00
Trinitrobenzene [1,3,5-]	7.30E+03	
Trinitrotoluene [2,4,6-]	1.22E+02	2.27E+01

[a] Either the inhalation or dermal/ingestion pathway did not contribute to this value.

[b] Values greater than 1E+05 are reported as "> 1.00E+05". Concentrations exceeding this value are approaching pure product (ie.1 million ppm). Reporting concentrations this high as action levels is not scientifically sound.

Table D-2.2-2
Calculated SSALs for a Construction Worker

Chemical	Soil SSALs (mg/kg)	
	Non-cancer	Cancer
VOCs		
Acetone	1.28E+04	
Benzene	3.83E+02	3.08E+02
Butylbenzene [sec-]	1.28E+03	
Dichlorobenzene [1,2-]	1.15E+04	
Isopropyltoluene [4-]		
Methylene Chloride	7.66E+03	1.19E+03
Nitrotoluene[3-] [m-]	1.28E+03	
Nitrotoluene[4-][p-]	1.28E+03	
Toluene	2.55E+04	
Trichloroethane [1,1,1-]	4.47E+03	
Trimethylbenzene [1,2,4-]	6.38E+03	
Semi-Volatiles		
Anthracene	3.83E+04	
Benzoic Acid	> 1.00E+05[b]	
Benzyl Alcohol	3.83E+04	
Bis(2-ethylhexyl)phthalate	2.55E+03	6.39E+02
Bromomethane	1.79E+02	
Chloromethane		6.88E+02
2-chlorophenol	6.39E+02	
Di-n-butylphthalate	1.28E+04	
Di-n-octylphthalate	2.55E+03	
Dichloroethane[1,2-]	3.70E+02	9.83E+01
Dichloroethene[cis 1,2-]	1.28E+03	
Dichlorofluoromethane (b)	2.55E+04	
Diethylphthalate	> 1.00E+05	
Dinitrotoluene [2,4-]	2.55E+02	
Dinitrotoluene [2,6-]	1.28E+02	
Fluoranthene	5.11E+03	
Hexachlorocyclopentadiene	8.89E+02	
Nitrosodimethylanime [N-]		1.75E-01
Nitrosodiphenylamine [N-]		1.82E+03
m-Nitrotoluene (3-)	1.28E+03	
p-Nitrotoluene (4-)	1.28E+03	
Phenanthrene		
Phenol	7.66E+04	

Table D-2.2-2 (continued)

Chemical	Soil SSALs (mg/kg)	
	Non-cancer	Cancer
Semi-Volatiles (continued)		
Pyrene	3.83E+03	
Tetrachloroethene	1.28E+03	1.72E+02
Trichloro-1,2,2-trilluoroethan (c)	> 1.00E+05	
Trichloroethene	7.66E+02	8.13E+02
Trichlorofluoromethane	3.83E+04	
Metals		
Aluminum	> 1.00E+05[a]	
Antimony	7.98E+01[a]	
Arsenic	5.99E+01[a]	9.31E-00
Barium	1.38E+04	
Beryllium	3.96E+02	6.37E+04[a]
Bicarbonate		
Boron	1.80E+04	
Bromide		
Cadmium	9.98E+01	8.49E+04[a]
Calcium		
Carbonate		
Cesium		
Chloride		
Chromium (*1/6 ratio Cr VI/CrIII)	> 1.00E+05[a]	
Cobalt	9.39E+03	
Copper	7.39E+03[a]	
Cyanide (a)	3.99E+03[a]	
Fluoride (soluble)	1.20E+04[a]	
Iron	5.99E+04[a]	
Lead		
Magnesium		
Manganese	8.63E+03	
Mercury (elemental)	> 1.00E+05[a]	
Nickel (soluble salts)	3.99E+03[a]	
Nitrogen, Ammonium		
Nitrogen, Nitrate + Nitrites		
Nitrogen, Nitrate (Expressed as NO3)		
Phosphorus, Ortho		
Potassium		

Table D-2.2-2 (concluded)

Chemical	Soil SSALs (mg/kg)	
	Non-cancer	Cancer
Metals (continued)		
Rubidium		
Selenium	9.98E+02[a]	
Silicon		
Silicon Dioxide		
Silver	9.98E+02[a]	
Sodium		
Strontium (*stable)	> 1.00E+05[a]	
Sulfate		
Thallium	1.40E+01[a]	
Titanium		
Uranium (soluble salts)	5.99E+02[a]	
Vanadium	1.40E+03[a]	
Zinc	5.99E+04[a]	
High Explosives		
Amino-2,6-dinitrotoluene [4-]	1.28E+02	
Amino-4,6-dinitrotoluene [2-]	1.28E+02	
Dinitrobenzene [1,3-]	1.28E+01	
Dinitrotoluene [2,4-]	2.55E+02	
Dinitrotoluene [2,6]	1.28E+02	
Dinitrotoluene mix		1.32E+01
HMX	6.39E+03	
Nitrobenzene	6.39E+01	
RDX	3.83E+02	8.13E+01
Trinitrobenzene [1,3,5-]	3.83E+03	
Trinitrotoluene [2,4,6-]	6.39E+01	2.98E+02

[a] Either the inhalation or dermal/ingestion pathway did not contribute to this value.

[b] Values greater than 1E+05 are reported as "> 1.00E+05". Concentrations exceeding this value are approaching pure product (ie.1 million ppm). Reporting concentrations this high as action levels is not scientifically sound.

Table D-2.2-3
Calculated SSALs for a Trail User

Chemical	Soil SSALs (mg/kg)		Surface Water SSALs (mg/kg)	
	Non-cancer	Cancer	Non-cancer	Cancer
VOCs				
Acetone	1.91E+04		5.02E+05	
Benzene	5.72E+02	1.84E+01	1.51E+04	4.85E+02
Butylbenzene [sec-]	1.91E+03		5.02E+04	
Dichlorobenzene [1,2-]	1.72E+04		4.52E+05	
Isopropyltoluene [4-]				
Methylene Chloride	1.14E+04	7.12E+01	3.01E+05	1.87E+03
Nitrotoluene[3-] [m-]	1.91E+03		5.02E+04	
Nitrotoluene[4-][p-]	1.91E+03		5.02E+04	
Toluene	3.81E+04		1.00E+06	
Trichloroethane [1,1,1-]	6.67E+03		1.76E+05	
Trimethylbenzene [1,2,4-]	9.53E+03		2.51E+05	
Semi-Volatiles				
Anthracene	5.72E+04		1.51E+06	
Benzoic Acid	> 1.00E+05[b]		2.01E+07	
Benzyl Alcohol	5.72E+04		1.51E+06	
Bis(2-ethylhexyl)phthalate	3.81E+03	3.81E+01	1.00E+05	1.00E+03
Bromomethane	2.67E+02		7.03E+03	
Chloromethane		4.10E+01		1.08E+03
2-chlorophenol	9.53E+02		2.51E+04	
Di-n-butylphthalate	1.91E+04		5.02E+05	
Di-n-octylphthalate	3.81E+03		1.00E+05	
Dichloroethane[1,2-]	5.53E+02	5.86E-00	1.46E+04	1.55E+02
Dichloroethene[cis 1,2-]	1.91E+03		5.02E+04	
Dichlorofluoromethane (b)	3.81E+04		1.00E+06	
Diethylphthalate	> 1.00E+05		4.02E+06	
Dinitrotoluene [2,4-]	3.81E+02		1.00E+04	
Dinitrotoluene [2,6-]	1.91E+02		5.02E+03	
Fluoranthene	7.62E+03		2.01E+05	
Hexachlorocyclopentadiene	1.33E+03		3.52E+04	
Nitrosodimethylanime [N-]		1.05E-02		2.76E-01
Nitrosodiphenylamine [N-]		1.09E+02		2.87E+03
m-Nitrotoluene (3-)	1.91E+03		5.02E+04	
p-Nitrotoluene (4-)	1.91E+03		5.02E+04	
Phenanthrene				
Phenol	> 1.00E+05		3.01E+06	
Pyrene	5.72E+03		1.51E+05	
Tetrachloroethene	1.91E+03	1.03E+01	5.02E+04	2.70E+02

Table D-2.2-3 (continued)

Chemical	Soil SSALs (mg/kg)		Surface Water SSALs (mg/kg)	
	Non-cancer	Cancer	Non-cancer	Cancer
Semi-Volatiles (continued)				
Trichloro-1,2,2-trilluoroethan (c)	> 1.00E+05		> 1.00+08	
Trichloroethene	1.14E+03	4.85E+01	3.01E+04	1.28E+03
Trichlorofluoromethane	5.72E+04		1.51E+06	
Metals				
Aluminum	> 1.00E+05[a]		> 1.00+08	
Antimony	6.90E+02[a]		2.01E+06	
Arsenic	5.17E+02[a]	3.22E-00	1.51E+06	9.37E+03
Barium	> 1.00E+05		> 1.00+08	
Beryllium	3.44E+03	5.27E+04[a]	1.00E+07	
Bicarbonate				
Boron	> 1.00E+05		> 1.00+08	
Bromide				
Cadmium	8.62E+02	7.03E+04[a]	2.51E+06	
Calcium				
Carbonate				
Cesium				
Chloride				
Chromium (*1/6 ratio Cr VI/CrIII)	> 1.00E+05[a]		> 1.00+08	
Cobalt	9.28E+04		> 1.00+08	
Copper	6.38E+04[a]		> 1.00+08	
Cyanide (a)	3.45E+04[a]		> 1.00+08	
Fluoride (soluble)	> 1.00E+05[a]		> 1.00+08	
Iron	> 1.00E+05[a]		> 1.00+08	
Lead				
Magnesium				
Manganese	7.82E+04		> 1.00+08	
Mercury (elemental)	> 1.00E+05[a]			
Nickel (soluble salts)	3.45E+04[a]		> 1.00+08	
Nitrogen, Ammonium				
Nitrogen, Nitrate + Nitrites				
Nitrogen, Nitrate (Expressed as NO3)				
Phosphorus, Ortho				
Potassium				
Rubidium				
Selenium	8.62E+03[a]		2.51E+07	
Silicon				
Silicon Dioxide				

Table D-22-3 (concluded)

Chemical	Soil SSALs (mg/kg)		Surface Water SSALs (mg/kg)	
	Non-cancer	Cancer	Non-cancer	Cancer
Metals (continued)				
Silver	8.62E+03[a]		2.51E+07	
Sodium				
Strontium (*stable)	> 1.00E+05[a]		> 1.00+08	
Sulfate				
Thallium	1.21E+02[a]		3.52E+05	
Titanium				
Uranium (soluble salts)	5.17E+03[a]		1.51E+07	
Vanadium	1.21E+04[a]		3.52E+07	
Zinc	> 1.00E+05[a]		> 1.00+08	
High Explosives				
Amino-2,6-dinitrotoluene [4-]	1.91E+02		5.02E+03	
Amino-4,6-dinitrotoluene [2-]	1.91E+02		5.02E+03	
Dinitrobenzene [1,3-]	1.91E+01		5.02E+02	
Dinitrotoluene [2,4-]	3.81E+02		1.00E+04	
Dinitrotoluene [2,6]	1.91E+02		5.02E+03	
Dinitrotoluene mix		7.85E-01		2.07E+01
HMX	9.53E+03		2.51E+05	
Nitrobenzene	9.53E+01		2.51E+03	
RDX	5.72E+02	4.85E-00	1.51E+04	1.28E+02
Trinitrobenzene [1,3,5-]	5.72E+03		1.51E+05	
Trinitrotoluene [2,4,6-]	9.53E+01	1.78E+01	2.51E+03	4.69E+02

[a] Either the inhalation or dermal/ingestion pathway did not contribute to this value.

[b] Values greater than 1E+05 are reported as "> 1.00E+05". Concentrations exceeding this value are approaching pure product (i.e., 1 million ppm). Reporting concentrations this high as action levels is not scientifically sound.

Table D-2.2-4
Calculated SSALs for an Environmental Worker

Chemical	Soil SSALs (mg/kg)		Surface Water SSALs (mg/L)		Sediment SSALs (mg/kg)	
	Non-cancer	Cancer	Non-cancer	Cancer	Non-cancer	Cancer
VOCs						
Acetone	4.06E+04		7.98E+04		> 1.00E+05	[b]
Benzene	1.22E+03	1.40E+02	2.40E+03	2.75E+02	6.91E+04	7.94E+03
Butylbenzene [sec-]	4.06E+03		7.98E+03		> 1.00E+05	
Dichlorobenzene [1,2-]	3.65E+04		7.19E+04		> 1.00E+05	
Isopropyltoluene [4-]						
Methylene Chloride	2.43E+04	5.41E+02	4.79E+04	1.06E+03	> 1.00E+05	3.07E+04
Nitrotoluene[3-] [m-]	4.06E+03		7.98E+03		> 1.00E+05	
Nitrotoluene[4-][p-]	4.06E+03		7.98E+03		> 1.00E+05	
Toluene	8.11E+04		1.60E+05		> 1.00E+05	
Trichloroethane [1,1,1-]	1.42E+04		2.79E+04		> 1.00E+05	
Trimethylbenzene [1,2,4-]	2.03E+04		3.99E+04		> 1.00E+05	
Semi-Volatiles						
Anthracene	> 1.00E+05		2.40E+05		> 1.00E+05	
Benzoic Acid	> 1.00E+05		3.19E+06		> 1.00E+05	
Benzyl Alcohol	> 1.00E+05		2.40E+05		> 1.00E+05	
Bis(2-ethylhexyl)phthalate	8.11E+03	2.90E+02	1.60E+04	5.70E+02	> 1.00E+05	1.64E+04
Bromomethane	5.68E+02		1.12E+03		3.22E+04	
Chloromethane		3.12E+02		6.14E+02		1.77E+04
2-chlorophenol	2.03E+03		3.99E+03		> 1.00E+05	
Di-n-butylphthalate	4.06E+04		7.98E+04		> 1.00E+05	
Di-n-octylphthalate	8.11E+03		1.60E+04		> 1.00E+05	
Dichloroethane[1,2-]	1.18E+03	4.46E+01	2.32E+03	8.77E+01	6.68E+04	2.53E+03
Dichloroethene[cis 1,2-]	4.06E+03		7.98E+03		> 1.00E+05	
Dichlorofluoromethane (b)	8.11E+04		1.60E+05		> 1.00E+05	
Diethylphthalate	> 1.00E+05		6.39E+05		> 1.00E+05	
Dinitrotoluene [2,4-]	8.11E+02		1.60E+03		4.60E+04	
Dinitrotoluene [2,6-]	4.06E+02		7.98E+02		2.30E+04	
Fluoranthene	1.62E+04		3.19E+04		> 1.00E+05	
Hexachlorocyclopentadiene	2.82E+03		5.59E+03		> 1.00E+05	
Nitrosodimethylanime [N-]		7.95E-02		1.57E-01		4.51E-00
Nitrosodiphenylamine [N-]		8.28E+02		1.63E+03		4.70E+04
m-Nitrotoluene (3-)	4.06E+03		7.98E+03		> 1.00E+05	
p-Nitrotoluene (4-)	4.06E+03		7.98E+03		> 1.00E+05	
Phenanthrene						
Phenol	> 1.00E+05		4.79E+05		> 1.00E+05	
Pyrene	1.22E+04		2.40E+04		> 1.00E+05	

Table D-2.2-4 (continued)

Chemical	Soil SSALs (mg/kg)		Surface Water SSALs (mg/L)		Sediment SSALs (mg/kg)	
	Non-cancer	Cancer	Non-cancer	Cancer	Non-cancer	Cancer
Semi-Volatiles (continued)						
Tetrachloroethene	4.06E+03	7.80E+01	7.98E+03	1.54E+02	> 1.00E+05	4.43E+03
Trichloro-1,2,2-trilluoroethan (c)	> 1.00E+05		2.40E+07		> 1.00E+05	
Trichloroethene	2.43E+03	3.69E+02	4.79E+03	7.26E+02	> 1.00E+05	2.09E+04
Trichlorofluoromethane	> 1.00E+05		2.40E+05		> 1.00E+05	
Metals						
Aluminum	> 1.00E+05[a]		> 1.00+08		> 1.00E+05	
Antimony	5.16E+02[a]		3.19E+05		4.15E+04	
Arsenic	3.87E+02[a]	8.60E-00	2.40E+05	5.32E+03	3.12E+04	6.92E+02
Barium	8.73E+04		5.59E+07		> 1.00E+05	
Beryllium	2.52E+03	2.22E+04[a]	1.60E+06		> 1.00E+05	
Bicarbonate						
Boron	> 1.00E+05		7.19E+07		> 1.00E+05	
Bromide						
Cadmium	6.45E+02	2.97E+04[a]	3.99E+05		5.19E+04	
Calcium						
Carbonate						
Cesium						
Chloride						
Chromium (*1/6 ratio Cr VI/CrIII)	> 1.00E+05[a]		> 1.00+08		> 1.00E+05	
Cobalt	4.48E+04		4.79E+07		> 1.00E+05	
Copper	4.77E+04[a]		2.95E+07		> 1.00E+05	
Cyanide (a)	2.58E+04[a]		1.60E+07		> 1.00E+05	
Fluoride (soluble)	7.74E+04[a]		4.79E+07		> 1.00E+05	
Iron	> 1.00E+05[a]		> 1.00+08		> 1.00E+05	
Lead						
Magnesium						
Manganese	4.92E+04		3.75E+07		> 1.00E+05	
Mercury (elemental)	> 1.00E+05[a]					
Nickel (soluble salts)	2.58E+04[a]		1.60E+07		> 1.00E+05	
Nitrogen, Ammonium						
Nitrogen, Nitrate + Nitrites						
Nitrogen, Nitrate (Expressed as NO3)						
Phosphorus, Ortho						
Potassium						
Rubidium						
Selenium	6.45E+03[a]		3.99E+06		> 1.00E+05	
Silicon						

Table D-2.2-4 (concluded)

Chemical	Soil SSALs (mg/kg)		Surface Water SSALs (mg/L)		Sediment SSALs (mg/kg)	
	Non-cancer	Cancer	Non-cancer	Cancer	Non-cancer	Cancer
Metals (continued)						
Silicon Dioxide						
Silver	6.45E+03[a]		3.99E+06		> 1.00E+05	
Sodium						
Strontium (*stable)	> 1.00E+05[a]		> 1.00+08		> 1.00E+05	
Sulfate						
Thallium	9.03E+01[a]		5.59E+04		7.27E+03	
Titanium						
Uranium (soluble salts)	3.87E+03[a]		2.40E+06		> 1.00E+05	
Vanadium	9.03E+03[a]		5.59E+06		> 1.00E+05	
Zinc	> 1.00E+05[a]		> 1.00+08		> 1.00E+05	
High Explosives						
Amino-2,6-dinitrotoluene [4-]	4.06E+02		7.98E+02		2.30E+04	
Amino-4,6-dinitrotoluene [2-]	4.06E+02		7.98E+02		2.30E+04	
Dinitrobenzene [1,3-]	4.06E+01		7.98E+01		2.30E+03	
Dinitrotoluene [2,4-]	8.11E+02		1.60E+03		4.60E+04	
Dinitrotoluene [2,6]	4.06E+02		7.98E+02		2.30E+04	
Dinitrotoluene mix		5.96E-00		1.17E+01		3.39E+02
HMX	2.03E+04		3.99E+04		> 1.00E+05	
Nitrobenzene	2.03E+02		3.99E+02		1.15E+04	
RDX	1.22E+03	3.69E+01	2.40E+03	7.26E+01	6.91E+04	2.09E+03
Trinitrobenzene [1,3,5-]	1.22E+04		2.40E+04		> 1.00E+05	
Trinitrotoluene [2,4,6-]	2.03E+02	1.35E+02	3.99E+02	2.66E+02	1.15E+04	7.67E+03

[a] Either the inhalation or dermal/ingestion pathway did not contribute to this value.

[b] Values greater than 1E+05 are reported as "> 1.00E+05". Concentrations exceeding this value are approaching pure product (ie.1 million ppm). Reporting concentrations this high as action levels is not scientifically sound.

Table D-2.3-1
260 Outfall (Carcinogenic Inorganics)

Analyte	Sample Results (mg/kg)	RFI Qualifier	Location ID	Sample ID	Media	Depth of Max Sample Result (ft)	Frequency of detects	Carcinogenic Classification	Soil SSAL (10^{-6}) (mg/kg)	Soil SSAL (10^{-5}) (mg/kg)	Retain as COPC?
Arsenic	9.7		16-2710	0316-97-0388	Surface Soil	.5-1	46 of 46	A	1.44	NA[a]	yes
Cadmium	2.9		16-1388	0316-95-0036	Surface Soil	0-.5	14 of 46	B1	8,790	NA	no

[a] NA = Not applicable.

Table D-2.3-2
260 Outfall (Noncarcinogenic Inorganics)

Analyte	Sample Results (mg/kg)	RFI Qualifier	Location ID	Sample ID	Media	Depth of Max Sample Result (ft)	Frequency of detects	Soil SSAL (1/10th) (mg/kg)	Retain as COPC?
Antimony	9.8	U	16-1380	0316-95-0028	Surface Soil	0-.5	not known	7.98	yes
Barium	33300		16-1392	0316-95-0040	Surface Soil	0-.5	46 of 46	1380	yes
Cadmium	2.9		16-1388	0316-95-0036	Surface Soil	0-.5	14 of 46	10	no
Chromium, total	26.8		16-1380	0316-95-0028	Surface Soil	0-.5	41 of 41	>1E+05	no
Cobalt	16.8		16-2710	0316-97-0388	Surface Soil	.5-1	44 of 46	939	no
Copper	40.5		16-1380	0316-95-0028	Surface Soil	0-.5	46 of 46	739	no
Cyanide	2	U	16-1380	0316-95-0028	Surface Soil	0-.5	not known	399	no
Lead	107		16-1380	0316-95-0028	Surface Soil	0-.5	46 of 46	Nav[a]	no
Manganese	1890		16-2710	0316-97-0388	Surface Soil	.5-1	46 of 46	863	yes
Nickel	51.9		16-1387	0316-95-0035	Surface Soil	0-.5	46 of 46	399	no
Selenium	0.89	J	16-2710	0316-97-0388	Surface Soil	.5-1	1 of 46	99.8	no
Silver	4.1		16-1390	0316-95-0038	Surface Soil	0-.5	9 of 46	99.8	no
Uranium	8.71		16-1389	0316-95-0037	Surface Soil	0-.5	37 of 37	59.9	no
Vanadium	55.7		16-1380	0316-95-0028	Surface Soil	0-.5	46 of 46	140	no
Zinc	226		16-1380	0316-95-0028	Surface Soil	0-.5	46 of 46	5990	no

[a] NAv = Not available

Table D-2.3-3
260 Outfall (Carcinogenic HE)

Analyte	Sample Results (mg/kg)	RFI Qualifier	Location ID	Sample ID	Media	Depth of Max Sample Result (ft.)	Frequency of detects	Carcinogenic Classification	Soil SSAL (10^{-6}) (mg/kg)	Soil SSAL (10^{-5}) (mg/kg)	Retain as COPC?
RDX	118000	J-	16-1382	0316-95-0045	Surface Soil	1.5-1.9	33 of 46	B2	6.19	NA[a]	yes
Trinitrotoluene[2,4,6-]	102000	J-	16-1382	0316-95-0045	Surface Soil	1.5-1.9	26 of 46	C	22.7	227	yes

[a] NA = Not applicable.

Table D-2.3-4
260 Outfall (Noncarcinogenic HE)

Analyte	Sample Results (mg/kg)	RFI Qualifier	Location ID	Sample ID	Media	Depth of Max Sample Result (ft)	Frequency of detects	Soil SSAL (1/10th) (mg/kg)	Retain as COPC?
Amino-2, 6-dinitrotoluene[4-]	64.1		16-1408	0316-95-0026	Surface Soil	0-.5	20 of 46	12.8	yes
Amino-4,6-dinitrotoluene[2-]	82.7		16-1408	0316-95-0026	Surface Soil	0-.5	28 of 41	12.8	yes
Dinitrobenzene [1,3-]	29	J	16-1383	0316-95-2013	Surface Soil	0-.5	2 of 46	1.28	yes
Dinitrotoluene [2,4-]	46.1	J-	16-1382	0316-95-0045	Surface Soil	1.5-1.9	20 of 46	25.5	yes
Dinitrotoluene [2,6-]	0.537		16-1394	0316-95-0042	Surface Soil	0-.5	2 of 46	12.8	no
HMX	137000		16-1388	0316-95-0036	Surface Soil	0-.5	42 of 46	639	yes
Nitrobenzene	1.2		16-1404	0316-95-0022	Surface Soil	0-.2	2 of 46	6.39	no
Nitrotoluene[3-]	2.12		16-1400	0316-95-0018	Surface Soil	0-.5	1 of 41	128	no
Nitrotoluene[4-]	6.66	J	16-1389	0316-95-0037	Surface Soil	0-.5	1 of 41	128	no
Trinitrobenzene [1,3,5-]	4.68	J-	16-1383	0316-95-0046	Surface Soil	1.7-2.2	8 of 46	383	no

Table D-2.3-5
260 Outfall (Carcinogenic Organics [SVOCs and VOCs])

Analyte	Sample Results (mg/kg)	RFI Qualifier	Location ID	Sample ID	Media	Depth of Max Sample Result (ft)	Frequency of detects	Carcinogenic Classification	Soil SSAL (10^{-6}) (mg/kg)	Soil SSAL (10^{-5}) (mg/kg)	Retain as COPC?
SVOCs											
Bis(2-ethylhexyl)phthalate	4600		16-1379	0316-95-0044	Surface Soil	1-1.5	20 of 46	B2	48.7	NA[a]	yes
Nitrosodiphenylamine[N-]	0.057	J	16-1390	0316-95-0038	Surface Soil	0-.5	1 of 46	B2	139	NA	no
VOCs											
Benzene	0.002	J+	16-2713	0316-97-0328	Surface Soil	0-.5	1 of 13	A	23.5	NA	no

[a] NA = Not applicable.

Table D-2.3-6
260 Outfall Noncarcinogenic SVOCs and VOCs

Analyte	Sample Results (mg/kg)	RFI Qualifier	Location ID	Sample ID	Media	Depth of Max Sample Result (ft)	Frequency of detects	Soil SSAL (1/10th) (mg/kg)	Retain as COPC?
SVOCs									
Anthracene	540		16-1383	0316-95-0046	Surface Soil	1.7-2.2	9 of 46	3830	no
Benzoic Acid	0.43	J	16-1404	0316-95-0022	Surface Soil	0-.2	6 of 46	>1E+05	no
Dichlorobenzene [1,2-]	9.2		16-1386	0316-95-0034	Surface Soil	0-.5	1 of 46	1150	no
Dinitrotoluene[2,4-]	2.6		16-1404	0316-95-0022	Surface Soil	0-.2	14 of 46	25.5	no
Dinitrotoluene[2,6-]	0.34	J	16-1390	0316-95-0038	Surface Soil	0-.5	6 of 46	12.8	no
Hexachlorocyclopentadiene	9.6		16-1383	0316-95-0031	Surface Soil	0-.5	1 of 46	88.9	no
Phenanthrene	4.6		16-1384	0316-95-0032	Surface Soil	0-.5	3 of 46	NAv	yes
Pyrene	0.071	J	16-1390	0316-95-0038	Surface Soil	0-.5	1 of 46	383	no

Table D-2.3-6 (concluded)

Analyte	Sample Results (mg/kg)	RFI Qualifier	Location ID	Sample ID	Media	Depth of Max Sample Result (ft)	Frequency of detects	Soil SSAL (1/10th) (mg/kg)	Retain as COPC?
VOCs									
Acetone	0.067	J-	16-1379	0316-95-0044	Surface Soil	1-1.5	4 of 13	1280	no
Butylbenzene[sec-]	0.04	J-	16-1382	0316-95-0045	Surface Soil	1.5-1.9	1 of 13	128	no
Dichlorobenzene [1,2-]	0.01		16-1383	0316-95-0046	Surface Soil	1.7-2.2	1 of 13	1150	no
Isopropyltoluene[4-]	0.14	J-	16-1382	0316-95-0045	Surface Soil	1.5-1.9	3 of 13	Nav[a]	yes
Toluene	0.002	J+	16-2713	0316-97-0328	Surface Soil	0-.5	1 of 13	2550	no
Trichloroethane [1,1,1-]	0.065	J-	16-1383	0316-95-0046	Surface Soil	1.7-2.2	1 of 13	447	no
Trimethylbenzene [1,2,4-]	0.08	J-	16-1382	0316-95-0045	Surface Soil	1.5-1.9	2 of 13	638	no

[a] NAv = Not available.

Table D-2.3-7

Cañon de Valle Sediments (Carcinogenic Inorganics)

Analyte	Max Sample Concentration (mg/kg)	RFI Qualifier	Location ID	Sample ID	Media	Depth of Max Sample Result	Frequency of detects	Carcinogenic Classification	Sediment SSAL (10-6) (mg/kg)	Sediment SSAL (10-5) (mg/kg)	Retain as COPC?
Arsenic	11.00		16-2753	0816-96-0064	Sediment	<6 inches	24 of 54	A	692	NA	no

[a] NA = Not applicable.

Table D-2.3-8
Cañon de Valle Sediments (Noncarcinogenic Inorganics)

Analyte	Max Sample Concentration (mg/kg)	RFI Qualifier	Location ID	Sample ID	Media	Depth of Max Sample Result	Frequency of detects	Sediment SSAL (1/10th)(mg/kg)	Retain as COPC?
Antimony	22.00	U	16-2671	0316-97-0441	Sediment	<6 inches	not known	4150	no
Barium	40300.00	J	16-2757	0816-96-0068	Sediment	<6 inches	55 of 55	>1E+05	no
Cadmium	1.30		16-2671	0316-97-0441	Sediment	<6 inches	8 of 55	5190	no
Chromium, total	17.80	J	16-2749	0816-96-0060	Sediment	<6 inches	53 of 55	>1E+05	no
Cobalt	23.90		16-2687	0316-97-0475	Sediment	<6 inches	53 of 55	>1E+05	no
Copper	99.80		16-2753	0816-96-0064	Sediment	<6 inches	53 of 55	>1E+05	no
Cyanide, total	1.90	J-	16-2670	0316-97-0440	Sediment	<6 inches	2 of 49	>1E+05	no
Iron	22000.00		16-2753	0816-96-0064	Sediment	<6 inches	55 of 55	>1E+05	no
Lead	129.00		16-2753	0816-96-0064	Sediment	<6 inches	55 of 55	Nav[a]	yes
Manganese	1910.00	J+	16-2775	0816-96-0087	Sediment	<6 inches	54 of 54	>1E+05	no
Mercury	0.39		16-2771	0816-96-0083	Sediment	<6 inches	15 of 55	>1E+05	no
Nickel	305.00	J-	16-2749	0816-96-0060	Sediment	<6 inches	50 of 55	>1E+05	no
Selenium	3.00	nv	16-1002	AAB1610	Sediment	<6 inches	11 of 55	>1E+05	no
Silver	15.10		16-2749	0816-96-0060	Sediment	<6 inches	29 of 55	>1E+05	no
Thallium	7.10		16-2775	0816-96-0087	Sediment	<6 inches	11 of 55	727	no
Uranium	3.91	J-	16-2778	0816-96-0090	Sediment	<6 inches	31 of 31	>1E+05	no
Vanadium	54.20		16-2753	0816-96-0064	Sediment	<6 inches	55 of 55	>1E+05	no
Zinc	117.00		16-2778	0816-96-0090	Sediment	<6 inches	55 of 55	>1E+05	no

[a] Nav = Not available.

Table D-2.3-9
Cañon de Valle Sediments (Carcinogenic HE)

Analyte	Max Sample Concentration (mg/kg)	RFI Qualifier	Location ID	Sample ID	Media	Depth of Max Sample Result	Frequency of Detects	Carcinogenic Classification	Sediment SSAL (10-6) (mg/kg)	Sediment SSAL (10-5) (mg/kg)	Retain as COPC?
RDX	42.00		16-2687	0316-97-0475	Sediment	<6 inches	14 of 55	B2	2090	NA[a]	no
Trinitrotoluene [2,4,6-]	1.35		16-2754	0816-96-0065	Sediment	<6 inches	10 of 55	C	7670	767	no

[a] NA = Not applicable.

Table D-2.3-10
Cañon de Valle Sediments (Noncarcinogenic HE)

Analyte	Max Sample Concentration (mg/kg)	RFI Qualifier	Location ID	Sample ID	Media	Depth of Max Sample Result	Frequency of Detects	Sediment SSAL (1/10th) (mg/kg)	Retain as COPC?
Amino-2,6-dinitrotoluene [4-]	0.91		16-2754	0816-96-0065	Sediment	<6 inches	19 of 49	2300	no
Amino-4,6-dinitrotoluene [2-]	1.02		16-2760	0816-96-0071	Sediment	<6 inches	6 of 31	2300	no
HMX	170.00		16-2767	0816-96-0079	Sediment	<6 inches	19 of 55	>1E+05	no
Nitrobenzene	0.09		16-2759	0816-96-0070	Sediment	<6 inches	1 of 55	1150	no
Nitrotoluene[3-]	0.35		16-2773	0816-96-0085	Sediment	<6 inches	1 of 55	>1E+05	no
Trinitrobenzene [1,3,5-]	0.11		16-2772	0816-96-0084	Sediment	<6 inches	1 of 55	1150	no

Table D-2.3-11
Cañon de Valle Sediments (Carcinogenic Organics [VOCs/SVOCs])

Analyte	Max Sample Concentration (mg/kg)	RFI Qualifier	Location ID	Sample ID	Media	Depth of Max Sample Result	Frequency of Detects	Carcinogenic Classification	Sediment SSAL (10-6) (mg/kg)	Sediment SSAL (10-5) (mg/kg)	Retain as COPC?
Bis(2-ethylhexyl) phthalate	0.740	J	16-2778	0816-96-0090	Sediment	<6 inches	15 of 37	B2	16400	NA	no

[a] NA = Not applicable

Table D-2.3-12
Cañon de Valle Sediments (Noncarcinogenic Organics [VOCs/SVOCs])

Analyte	Max Sample Concentration (mg/kg)	RFI Qualifier	Location ID	Sample ID	Media	Depth of Max Sample Result	Frequency of Detects	Sediment SSAL (1/10th) (mg/kg)	Retain as COPC?
Semivolatiles									
Benzoic Acid	0.750	J	16-2682	0316-97-0470	Sediment	<6 inches	3 of 37	>1E+05	no
Benzyl Alcohol	0.240	J	16-2682	0316-97-0470	Sediment	<6 inches	1 of 36	>1E+05	no
Diethyl phthalate	0.470	J	16-2773	0816-96-0085	Sediment	<6 inches	6 of 37	>1E+05	no
Di-n-butyl phthalate	10.000		16-2754	0816-96-0065	Sediment	<6 inches	31 of 37	>1E+05	no
Fluoranthene	0.060	J	16-2683	0316-97-0471	Sediment	<6 inches	1 of 37	>1E+05	no
Phenol	0.340	J	16-2682	0316-97-0470	Sediment	<6 inches	1 of 37	>1E+05	no
Pyrene	0.052	J	16-2683	0316-97-0471	Sediment	<6 inches	1 of 37	>1E+05	no
Volatiles									
Acetone	0.048	J	16-2682	0316-97-0470	Sediment	<6 inches	1 of 12	>1E+05	no
Dichlorodifluoromethane	0.005	J	16-2687	0316-97-0475	Sediment	<6 inches	3 of 12	>1E+05	no
Isopropyl toluene[4-]	0.059		16-2682	0316-97-0470	Sediment	<6 inches	1 of 12	Nav[a]	yes
Toluene	0.036	J	16-2687	0316-97-0475	Sediment	<6 inches	4 of 12	>1E+05	no
Trichloro-1,2,2-trifluoroethane [1,1,2-]	0.003	J	16-2685	0316-97-0473	Sediment	<6 inches	1 of 12	>1E+05	no
Trichlorofluoromethane	0.003	J	16-2683	0316-97-0471	Sediment	<6 inches	2 of 12	>1E+05	no

[a] NAv = Not available

Table D-2.3-13
Cañon de Valle Sediments (Rad)[a]

Analyte	Max Sample Concentration (pCi/g)	RFI Qualifier	Location ID	Sample ID	Media	Depth of Max Sample Result	Frequency of Detects	Background Value (Fallout) (pCi/gm)	Frequency of Detects Above Background Value (Fallout)	Soil[b] SSAL (pCi/gm)	Retain as COPC?
Cesium-137	1.060		16-2749	0816-96-0060	Sediment	<6 inches	12 of 31	0.9	1 of 31	5.1	no

[a] All radionuclides are evaluated as EPA carcinogenic classification "A" carcinogens

[b] Based on annual dose of 10 mrem/yr. Estimated using computer model RESRAD.

Table D-2.3-14
Cañon de Valle Water (Noncarcinogenic Inorganics)[a]

Analyte	Max Filtered[b] Concentration (µg/l)	RFI Qualifier	Location ID	Sample ID	Filtered Media	Frequency of Filtered Detects	Regulatory Threshold (µg/l)	Surface Water SSAL (1/10th) (µg/l)	Retain as COPC?
Antimony	4.00		16-1001	AAB1597	Surface Water	3 of 13	Nav[c]	>1E+08	no
Barium	4700.00		16-2671	0316-97-0451	Surface Water	14 of 14	1000	>1E+08	yes
Chromium, total	4.30		16-1003	AAB1599	Surface Water	3 of 14	50	>1E+08	no
Lead	5.00		16-2671	0316-97-0451	Surface Water	7 of 14	50	NA	no
Manganese	1800.00	J	16-2675	0316-97-0455	Surface Water	7 of 14	NAv	>1E+08	no
Mercury	ND		ND	ND	Surface Water	0 of 11	2	NA	no
Nickel	40.00		16-2675	0316-97-0455	Surface Water	1 of 14	NAv	>1E+08	no
Vanadium	5.00		16-1001	AAB1597	Surface Water	6 of 14	NAv	3.5E+07	no
Zinc	30.00		16-2675	0316-97-0455	Surface Water	6 of 14	NAv	>1E+08	no

[a] None of these constituents are carcinogens; therefore, no table for carcinogens was generated for CDV water

[b] Regulatory threshold values are based on filtered concentrations

[c] Nav = Not available.

Table D-2.3-15
Cañon de Valle Water (Carcinogenic HE)[a]

Analyte	Max Concentration (µg/l)	RFI Qualifiers	Location ID	Sample ID	Media	Carcinogenic Classification	Surface Water SSAL (10-6) (µg/l)	Surface Water SSAL (10-5) (µg/l)	Retain as COPC?
RDX	818	---	16-2671	0316-97-0451	Surface Water	B2	128	NA[b]	yes
Trinitrotoluene [2,4,6-]	1.8	---	16-2675	0316-97-0455	Surface Water	C	NA	4690	no

[a] No regulatory thresholds are available for these constituents.

[b] NA = Not applicable.

Table D-2.3-16
Cañon de Valle Water (Noncarcinogenic HE)[a]

Analyte	Max Concentration (µg/l)	RFI Qualifiers	Location ID	Sample ID	Media	Surface Water SSAL (1/10th) (µg/l)	Retain as COPC?
Amino-2,6-dinitrotoluene[4-]	53.2	J-	16-2759	0816-96-0093	Surface Water	502	no
Amino-4,6-dinitrotoluene[2-]	43.2	J-	16-2759	0816-96-0093	Surface Water	502	no
Dinitrotoluene[2,4-]	0.315	J-	16-2759	0816-96-0093	Surface Water	1000	no
HMX	160	J-	16-2748	0816-96-0048	Surface Water	25100	no
Nitrotoluene[2-]	1.2	J-	16-2772	0816-96-0107	Surface Water	5020	no
Trinitrobenzene [1,3,5-]	0.21	J-	16-2759	0816-96-0093	Surface Water	15000	no

[a] No regulatory thresholds are available for these constituents

Table D-2.3-17
Cañon de Valle Water (Carcinogenic Organics)[a]

Analyte	Max Detected Concentration (µg/l)	RFI Qualifiers	Location ID	Sample ID	Media	Frequency of Filtered Detects	Carcinogenic Classification	Surface Water SSAL (10-6) (µg/l)	Surface Water SSAL (10-5) (µg/l)	Retain as COPC?
SVOCs										
Bis(2-ethylhexyl) phthalate	13		16-2769	0816-96-0104	Surface Water	3 of 23	B2	1000	NA[b]	no
VOCs										
Dichloroethane[1,2-]	7		16-2688	0316-97-3032	Surface Water	3 of 13	B2	155	NA	no
Methylene Chloride	6		16-2766	0816-96-0100	Surface Water	1 of 23	B2	1870	NA	no

[a] No regulatory thresholds for surface water are available for these constutuents.

[b] NA = Not applicable.

Table D-2.3-18
Cañon de Valle Water (Noncarcinogenic Organics)[a]

Analyte	Max Detected Concentration (µg/l)[a]	RFI Qualifiers	Location ID	Sample ID	Media	Frequency of Filtered Detects	SSAL (1/10th) (ug/l)	Retain as COPC?
SVOCs								
Chlorophenol [2-]	10		16-2765	0816-96-0099	Surface Water	1 of 23	2510	no
Dinitro-2-methylphenol [4,6-]	50		16-2764	0816-96-0098	Surface Water	1 of 23	Nav[b]	yes
Dinitrotoluene [2,6-]	1	J	16-2747	0816-96-0047	Surface Water	1 of 10	502	no
Di-n-octylphthalate	10		16-2757	0816-96-0091	Surface Water	1 of 23	10000	no
VOCs								
Acetone	8	J	16-2763	0816-96-0097	Surface Water	1 of 23	50200	no

[a] No regulatory thresholds for surface water are available for these constituents.

[b] NAv = Not available.

Table D-2.3-19
Cañon de Valle Surface Water Radionuclides

Analyte	Max Concentration (pCi/l)	RFI Qualifier	Location ID	Sample ID	Media	Frequency of Detects	Converted Activity to Mass (µg/l)	Regulatory Threshold (µg/l)	Retain as COPC?
Uranium-234	0.144		36-10030	0236-97-0016	Surface Water	2 of 27	2.3x10-5	20[a]	no
Uranium-238	0.135		36-10030	0236-97-0016	Surface Water	2 of 3	0.403	20[a]	no

[a] Based on EPA regulatory threshold for total uranium.

Table D-2.3-20
Alluvial Water (Noncarcinogenic Inorganics)[a]

Analyte	Max Filtered Concentration (µg/l)	RFI Qualifier	Location ID	Sample ID	Filtered Media	Frequency of Filtered Detects	Regulatory Threshold (µg/l)	Surface Water SSAL (1/10th) (µg/l)	Retain as COPC?
Barium	12000		16-2658	0316-97-0479	Alluvial Water	7 of 7	1000	NA[b]	yes
Lead	3	J	16-2653	0316-97-3107	Peter Seep	3 of 7	50	NA	no
Vanadium	2.4	J	16-2653	0316-97-3024	Peter Seep	1 of 6	Nav[c]	3.5E+7	no

[a] No metal constituents are carcinogenic in this medium; therefore, no table for carcinogens was generated.

[b] NA = Not applicable.

[c] Nav = Not available.

Table D-2.3-21
Alluvial Water (Carcinogenic HE)

Analyte	Max Filtered Concentration (µg/l)	RFI Qualifier	Location ID	Sample ID	Media	Frequency of Filtered Detects	Carcinogenic Classification	Surface Water SSAL[a] (10-6) (µg/l)	Surface Water SSAL (10-5) (µg/l)	Retain as COPC?
RDX	48		16-2659	0316-97-0486	Alluvial Water	8 of 14	B2	128	NA[b]	no
Trinitrotoluene [2,4,6-]	20		16-2659	0316-97-0486	Alluvial Water	4 of 14	C	NA	4690	no

[a] No regulatory threshold for surface water are available for these constituents.

[b] NA = Not applicable.

Table D-2.3-22
Alluvial Water (Noncarcinogenic HE)

Analyte	Max Filtered Concentration (µg/l)	RFI Qualifier	Location ID	Sample ID	Media	Frequency of Filtered Detects	Surface Water SSAL[a] (1/10th) (µg/l)	Retain as COPC?
Amino-2,6-dinitrotoluene[4-]	4.9		16-2659	0316-97-0486	Alluvial Water	6 of 14	502	no
Amino-4,6-dinitrotoluene[2-]	4.9		16-2659	0316-97-0486	Alluvial Water	6 of 10	502	no
HMX	21		16-2659	0316-97-0480	Alluvial Water	8 of 14	25100	no

[a] No regulatory thresholds for alluvial water are available for these constituents.

Table D-2.3-23
Alluvial Water (Noncarcinogenic Organics [SVOCs and VOCs])[a]

Analyte	Max Filtered Concentration (µg/l)	RFI Qualifier	Location ID	Sample ID	Media	Frequency of Filtered Detects	Surface Water SSAL[b](1/10th) (µg/l)	Retain as COPC?
Acetone	41		16-2655	0316-97-0476	Alluvial Water	3 of 12	1E+06	no
Dichloroethene[cis-1,2-]	19		16-2654	0316-97-3102	Fishladder Seep	1 of 11	5020	no

[a] None of the constituents are carcinogens; therefore, no table for carcinogens was generated for alluvial water.

[b] No regulatory thresholds for alluvial water are available for these constituents.

Table D-2.3-24
Springs (Carcinogenic Inorganics)

Analyte	Max Concentration (µg/l)	RFI Qualifier	Location ID	Sample ID	Media (Spring Water)	Frequency of Detects	Regulatory Threshold (µg/l)	Retain as COPCs?
Arsenic	30		16-2652	0316-97-3105	Burning Ground	6 of 27	50	no

Table D-2.3-25
Springs (Noncarcinogenic Inorganics)

Analyte	Max Concentration (µg/l)	RFI Qualifier	Location ID	Sample ID	Media (Spring Water)	Frequency of Detects	Regulatory Threshold (µg/l)	Retain as COPCs?
Aluminum	5900		16-2651	0316-97-3010	SWSC	12 of 15	50	yes
Barium	410		16-2651	0316-97-3188	SWSC	15 of 15	2000	no
Boron	1800		16-2650	0316-97-3014	Martin	6 of 6	600	yes
Fluoride	800		16-2650	0316-97-3185	Martin	11 of 12	4000	no
Iron	1640		16-2651	0316-97-3010	SWSC	12 of 15	300	yes
Manganese	70		16-2651	0316-97-3187	SWSC	10 of 15	50	yes
Silicon	28700		16-2652	0316-97-3008	Burning Ground	9 of 9	Nav[a]	yes
Strontium	100		16-2652	0316-97-3008	Burning Ground	3 of 3	17000	no
Sulfate	21000		16-2650	0316-97-3185	Martin	12 of 12	500000	no
Titanium	74		16-2652	0316-97-3008	Burning Ground	3 of 3	NAv	yes

[a] NAv = Not available.

Table D-2.3-26
Springs (Carcinogenic HE)

Analyte	Max Filtered Concentration (µg/l)	RFI Qualifier	Location ID	Sample ID	Media (Spring Water)	Frequency of Filtered Detects	Regulatory Threshold (µg/l)	Retain as COPC?
RDX	157		16-2650	0316-96-3002	Martin	27 of 27	2	yes
Trinitrotoluene [2,4,6-]	0.07		16-2650	0316-96-3002	Martin	2 of 27	2	no

Table D-2.3-27
Springs (Noncarcinogenic HE)

Analyte	Max Concentration (µg/l)	RFI Qualifier	Location ID	Sample ID	Media (Spring Water)	Frequency of Detects	Regulatory Threshold (µg/l)	Surface Water SSAL (1/10th) (µg/l)	Retain as COPC?
Amino-2,6-dinitrotoluene[4-]	5.2		16-2650	0316-98-3186	Martin	10 of 27	NAv	502	no
Amino-4,6-dinitrotoluene[2-]	2.3		16-2650	0316-96-3002	Martin	9 of 27	NAv	502	no
Dinitrobenzene[1,3-]	0.07		16-2651	0316-96-3001	SWSC	1 of 27	NAv	50.2	no
Dinitrotoluene[2,4-]	0.13		16-2650	0316-97-3013	Martin	8 of 27	1000	1000	no
HMX	17.7		16-2650	0316-96-3002	Martin	13 of 27	400	25100	no
Nitrotoluene[3-]	0.111		16-2651	0316-97-3020	SWSC	1 of 27	NAv	5020	no
Tetryl	0.68		16-2650	0316-96-3002	Martin	2 of 27	NAv	NAv	no
Trinitrobenzene[1,3,5-]	1.44		16-2650	0316-96-3002	SWSC	9 of 27	NAv	15000	no

Table D-2.3-28
Springs (Organics)

Analyte	Max Filtered Concentration (µg/l)	RFI Qualifier	Location ID	Sample ID	Filtered Media (Spring Water)	Frequency of Detects	Regulatory Threshold (µg/l)	Surfae Water SSAL (1/10th) (µg/l)	Retain as COPC?
Acetone	55		16-2650	0316-97-3186	Martin	9 of 16	Nav[a]	5E+05	no
Bromomethane	4	J	16-2652	0316-96-3000	Burning Ground	1 of 16	500	NA[b]	no
Chloromethane	30		16-2652	0316-96-3000	Burning Ground	6 of 16	3	NA	yes
Dichloroethane[1,2-]	6		16-2652	0316-96-3000	Burning Ground	4 of 16	5	NA	yes
Tetrachloroethene	2.8		16-2651	0316-97-3021	SWSC	1 of16	5	NA	no
Trichloroethene	2		16-2651	0316-97-3021	SWSC	2 of 16	5	NA	no

[a] NAv = Not available.

[b] NA = Not applicable.

D-3.0 ECOLOGICAL

D-3.1 Ecological Scoping Checklist and Ecological Pathways Conceptual Exposure Model

Ecological Scoping Checklist - Objectives and Preparation Instructions

Objectives of checklist:

1. Confirm that ecological receptors can be affected by release
2. Determine if PRSs should be combined for screening
3. Evaluate data adequacy - primarily related to nature, rate and extent of contamination
4. Prepare for HQ/HI analysis (determine which screen is appropriate: terrestrial, aquatic screen, both?)
5. Provide information for prioritization / uncertainty analysis, e.g. what are the dominant/important transport pathways, exposure routes, and receptors

Scoping checklist instructions:

1. Obtain the following information to prepare for the scoping meeting
   - Most current biological information for the PRS, which is typically the Biological and Floodplain Assessment for applicable OU and/or TA
   - Surface runoff and erosion information from AP 4.5 Parts A and B
   - RFI Work Plan or Report, as applicable, that provide: contamination source, sample locations, analytical suites, results
   - FIMAD - ArcInfo maps that show the following features: neighboring PRSs, sample locations, vegetation types, watershed name, wetlands
2. Focus area manager for PRS or PRS aggregate will arrange a meeting prior to the site visit
3. Complete Section A of the checklist during the scoping meeting
4. Arrange site visit at an appropriate time of year (ideally spring or summer) to properly evaluate biological resources at the site (if the site visit is planned for another time of year make note of any uncertainties introduced in the initial biological assessment by such timing). The following resources are typically needed for the site visit:
   - Maps showing sample locations and results should be taken on site visit
   - Camera to record site conditions

- If significant biological or contaminant transport features are noted, the following items will be useful:

  ⇒ Distance measuring device, either a measuring tape or rangefinder

  ⇒ GPS or markers to specify locations for surveying

5. Complete Section B of the checklist during the site visit

6. Complete Section C of the checklist after the site visit (should be completed within 1-2 days of site visit)

Ecological Scoping Checklist: Part A
Scoping Meeting Documentation

Site ID	PRS 16-021(c) [TA-16 260 building outfall]	
Nature of PRS releases (indicate all that apply)	Solid Liquid Gaseous Other, explain	XXX * XXX * HE precipitate in high volume outfall.
List of Primary Impacted Media (indicate all that apply)	Surface soil Surface water/sediment Subsurface Groundwater Other, explain	XXX XXX XXX XXX (Possibly secondary to the impact on other media).
FIMAD vegetation class (indicate all that apply)	Water Bare Ground Spruce/fir/aspen/mixed conifer Ponderosa pine Piñon juniper/juniper woodland Grassland/shrubland Developed	 XXX [Some areas of Cañon de Valle] XXX [PRS 16-021(c) and most of Cañon de Valle]
Is T&E Habitat Present? List species if applicable. Are there proposed activities that might impact T&E species at the site?	Yes. Cañon de Valle in the area of the 260 outfall is known habitat for the Mexican spotted owl *(Strix occidentalis lucida)* nesting, roosting, and hunting. The area is also listed as potential habitat for northern goshawk *(Accipiter gentilis)* Common black hawk *(Buteogallus anthracinus)* broad-billed hummingbird *(Cynanthus latirostris)* southwestern willow flycatcher *(Empidonax trailii extimus)*, peregrine falcon *(Falco peregrinus)*, bald eagle *(Haliaeetus leucocephalus)*, Mississippi kite *(Ictinia mississippiensis)*, spotted bat *(Euderma maculatum)* pine martin *(Martes americana)*, New Mexico meadow jumping mouse *(Zapadus hudsonius luteus)*, Jemez Mountains salamander *(Plethodon neomexicanus)*, Say's pond snail *(Lymnaea captera)*, wood lily *(Lilium philadelphicum* var. *andium)*, checker lily *(Fritillaria atropurpurea)*, Sandia alumroot *(Heuchera pulchella)* [unlikely], Pagosa phlox *(Phlox caryophylla)* [unlikely], and yellow lady's slipper *(Cyprepedium calceolus* var. *pubescens)* [ER ID 59186 Biological and Floodplain/Wetland Assessment for Environmental Restoration Program, Operable Unit, TAs 11, 13, 16, 24, 37, and 38; ER ID 59382 Threatened and Endangered Species Habitat Management Plan annual review October 16, 1996] The only activities planned. for the area that may be of concern for the above list of species are remediation activities of PRS 16-021(c) and adjacent PRSs.	

Ecological Scoping Checklist: Part A
Scoping Meeting Documentation (concluded)

Provide list and description of Neighboring/Contiguous/ Upgradient PRSs (consider need to aggregate PRS for screening)	Upgradient (west) of 16-021(c) are two large PRSs: 16-020 ("silver outfall" from photo processing operations), and 16-029(k) (Building 93 and the 090s line outfall). Both of these PRSs have contributed to the contaminant loading in Cañon de Valle beginning upstream of the reach where the 260 outfall intersects the canyon bottom. Immediately upstream of the 260 outfall site is MDA-R. Operations at MDA-R included receiving materials from the 260 operations as well as other operations at TA-16. Materials were burned on the mesa top and pushed over into the canyon at the MDA-R location. MDA-R is now inactive. However, there are visible signs of significant erosion from the surface of MDA-R into Cañon de Valle. Some debris from MDA-R is exposed on the surface of fill that comprises a section of the north-facing slope of Cañon de Valle. MDA-P is located downgradient from 16-021(c). MDA-P appears to have impacts on the landscape entirely independent of the 260 outfall [16-021(c)]. MDA-P is currently undergoing RCRA clean closure operations.
AP 4.5 Part B Information Run-off score (out of 46) Terminal point of surface water transport	The total erosion score for PRS 16-021(c) is 73.3.
Other Scoping Meeting Notes	While in operation, the 260 outfall provided a relatively continuous flow of water ranging from 2 to 10 million gallons per year. This water discharged into Cañon de Valle and was heavily laden with HE particulates, barium, dissolved metals and organic constituents. There is no process knowledge to indicate the discharge of polychlorinated biphenyls (PCBs), pesticides, or polyaromatic hydrocarbons (PAHs) in the 260 outfall. There are several springs in the vicinity of the 260 outfall that may have been, or may still be, influenced by contamination in the surface and subsurface media (including water). These include Peter Seep, Burning Ground Spring, and SWSC (pronounced "swish") Spring in Cañon de Valle, Fishladder Spring in a hanging canyon to the southeast of the 260 outfall, and Martin Spring yet one hanging canyon further to the southeast of the 260 outfall. Peter seep is west (upgradient) of the 260 outfall site. This seep rises over roughly a distance of 0.1 mile in the bottom of Cañon de Valle along the stream bed. Flow in this reach is largely intermittent and is influenced by annual meteorological events over the Jemez Mountains and local geology, the dynamics of which are not well understood. Burning Ground and SWSC springs are immediately downgradient of the 260 outfall site in the canyon bottom. The flow regimes of these springs are believed to have been influenced historically by the 260 outfall operations, but to degrees unknown. An aquatic macroinvertebrate survey has been conducted for the perennial reach of Cañon de Valle as well as burning ground and SWSC springs (Ralph Ford-Schmidt, State of NM DOE Oversight Bureau). Results of this survey were not available at the time of ecological scoping. Additionally, the U.S. Fish and Wildlife Service (USFWS) in cooperation of the National Biological Service (NBS) has conducted an investigation of the fishery potential of the perennial reach of Cañon de Valle. Results of this study were also not available at the time of ecological scoping. Both of the aforementioned studies will be valuable for future ecological assessments in Cañon de Valle and the surrounds.

Ecological Scoping Checklist: Part B
Site Visit Documentation

Site ID	**PRS 16-021(c) [TA-16 260 building outfall]**
Date of Site Visit	May 8, 1998
Site Visit Conducted by	Mark M. Hooten, Mark Tardiff, Elizabeth Kelly, Ralph Ford-Schmidt.

Receptor Information:

Estimate cover	% vegetated % wetland % structures/asphalt, etc.	0% PRS 16-021(c) proper is heavily disturbed, denuded soil and tuff. 0% on PRS 16-021(c) proper. 0%
Field notes on the FIMAD vegetation class	Field observations confirm FIMAD vegetation classification.	
Field notes on T&E Habitat, if applicable	The quality of the biotic environment downgradient and in the vicinity of 16-021(c) is of exceptional richness for LANL grounds. The vegetative and aquatic communities in Cañon de Valle at the time of scoping appeared to be intact and generally quite healthy. The quality of the biotic community appears to be provisional for all of the aforementioned species (see Part A) but makes it clear that some species are probably less likely to occur in the canyon than others; e.g. peregrine falcon is far less likely a resident member of Cañon de Valle in the vicinity of 16-021(c) than Mexican spotted owl.	
Are ecological receptors present at the PRS? (yes/no/uncertain) Provide explanation	Yes. Cañon de Valle is rich with terrestrial and aquatic plant and animal life. This appears to be the case along the full extent of the canyon and from rim to rim.	

Contaminant Transport Information:

Surface water transport Field notes on the terminal point of surface water transport (if applicable)	16-021(c) is a steep, denuded outfall area that begins at the mesa top on the south side of Cañon de Valle and terminates in the perennial stream reach in the canyon bottom. The surface erosion potential is maximal for the canyon system.
Are there any other off-site transport pathways? (yes/no/uncertain). Provide explanation	Uncertain. There is some current evidence from tracer release studies on the spring system that contaminants from 16-021(c) may reach springs and seeps in the area of the PRS (see Part A "Other Scoping Meeting Notes"). The degree to which this pathway is available to biotic receptors is unknown.

Ecological Effects Information:

Physical Disturbance (provide list of major types of disturbances)	The surface of 16-021(c) is completely denuded. The high flow volume over the years of operation caused significant erosional disturbance to the area. Where the outfall reaches the bottom of Cañon de Valle the disturbance of the soil and tuff surfaces appears to be abruptly attenuated by the invasion of plants.
Are there obvious ecological effects? (yes/no/uncertain). Provide explanation	Ecological effects are apparent from the physical disturbance of the area. With knowledge of the magnitude of contamination in surface soil, as well as the inactivity of the 260 outfall in recent years, it appears likely that contamination on the outfall proper is inhibiting invasion of plants on the PRS. This latter observation would need confirmation *vis-à-vis* toxicological information as well as in-situ tests on target species or attempts at reclamation.

Ecological Scoping Checklist: Part B
Site Visit Documentation (continued)

No Receptor/ No Pathways:

If there are no receptors and no offsite transport pathways the remainder of the checklist should not be completed. Stop here and provide any additional explanation/justification for proposing an ecological No Further Action recommendation (if needed).

Data Adequacy:

Do existing data provide information on the nature, rate and extent of contamination on and off site? (yes/no/uncertain) Provide explanation. (consider if the maximum value was captured by existing sample data).	Existing data appear to provide ample information on the nature of surface and subsurface soil and tuff contamination, with some inferential information on the rate of contaminant transport during outfall operations, as well as existing extent of contamination, particularly vertical extent. There also appear to be adequate data for performing screening assessments on the neighboring springs and seep.
Do existing data, process knowledge or observation indicate that other areas of contamination may be influencing the PRS in question or it's area of influence? (yes/no/uncertain) Explain.	No other PRSs appear to be contributing to contamination on 16-012(c) proper. Please see comments under "Additional Field Notes", below.

Additional Field Notes:

Provide additional field notes on the site setting and potential ecological receptors.

There are PRSs, as well as MDA-R, upstream of 16-021(c) that may be significant contributors to the contaminant load of Cañon de Valle (see Part A). Upon scoping the canyon, there appears to be significant question as to how greatly the aquatic (primarily) and terrestrial communities have been influenced by 260 outfall contamination, in terms of biotic assemblage and structure. For Cañon de Valle at large, the PRSs and MDAs listed in Part A of this checklist should be investigated simultaneously for a complete ecological evaluation.

Ecological Scoping Checklist: Part C
Ecological Pathways Conceptual Exposure Model

Provide answers to Questions A to Q and use this information to complete the Ecological Pathways Conceptual Exposure Model (see Figure D-3.1-1).

Question A:

Could soil contaminants reach receptors via vapors?

- Volatility of the hazardous substance (volatile chemicals generally have Henry's Law constant >10-5 atm-me/mol and molecular weight <200 g/mol).

Answer (likely/unlikely/uncertain): Likely.

Provide explanation: The following volatile organic compounds were detected in surface soil at PRS 16-021(c): acetone, benzene, sec-butylbenzene, 1,2-dichlorobenzene, 4-isopropyltoluene, methylene chloride, toluene, 1,1,1-trichloroethane, 1,2,4-trimethylbenzene.

Question B:

Could the soil contaminants identified above reach receptors through fugitive dust carried in air?

- Soil contamination would have to be on the actual surface of the soil to become available for dust.
- In the case of dust exposures to burrowing animals, the contamination would have to occur in the depth interval where these burrows occur.

Answer (likely/unlikely/uncertain): Unlikely.

Provide explanation: The area of concern is guarded from the wind by vegetation and canyon walls. There was minimal evidence of fossorial mammal activity on the PRS.

Question C:

Can contaminated soil be transported to aquatic ecological communities via surface erosion?

- Use AP 4.5 run-off score and terminal point of surface water runoff to help answer this question.
- If the AP 4.5 run-off score* is equal to zero, this suggests that erosion at PRS is not a transport pathway. (* note that the runoff score is not the entire erosion potential score, rather it is a subtotal of this score with a maximum value of 46 points)
- If erosion is a transport pathway, evaluate the terminal point to see if aquatic receptors could be affected.

Ecological Scoping Checklist: Part C
Ecological Pathways Conceptual Exposure Model (continued)

Answer (likely/unlikely/uncertain): Likely.

Provide explanation: Process knowledge of the site indicates voluminous releases of contaminant-laden water into Cañon de Valle.

Question D:

Is groundwater contaminated and potentially available to biological receptors through seeps or springs?

- Known or suspected contaminant *presence in* groundwater.
- The potential for contaminants to be carried via groundwater and discharge into habitats and/or surface waters.
- Contaminants may be taken up by terrestrial and rooted aquatic plants whose roots are in contact with contaminated groundwater present within the root zone (~1 m depth).
- Terrestrial wildlife receptors will generally only contact groundwater if it is discharged to the surface.

Answer (likely/unlikely/uncertain): Likely.

Provide explanation: Tracer studies on the 260 outfall site and nearby springs indicate that some dissolved contaminants originating on PRS 16-021(c) may be reaching these springs (SWSC spring, in particular).

Question E:

May groundwater become contaminated from infiltration/percolation from contaminated subsurface material?

- Suspected ability of contaminants to *migrate to* groundwater.
- The potential for contaminants to reach groundwater then discharge into habitats and/or surface waters.
- Might contaminants be taken up by terrestrial and rooted aquatic plants whose roots are in contact with potentially contaminated groundwater present within the root zone (~1 m depth)?
- Terrestrial wildlife receptors will generally only contact groundwater if it is discharged to the surface.

Answer (likely/unlikely/uncertain): Likely.

Provide explanation: See explanation to Question D, above.

Ecological Scoping Checklist: Part C
Ecological Pathways Conceptual Exposure Model (continued)

Question F:

Might erosion or mass wasting events be a potential release mechanism for contaminants from subsurface materials or perched aquifers to the surface?

- Consider, particularly, the erodability of fill material and the geologic processes of canyon/mesa edges.

Answer (likely/unlikely/uncertain): Uncertain.

Provide explanation: The slope on which PRS 16-021 is located is, at this time, vulnerable to high degrees of erosion and subsurface materials have been exposed. The slope is so eroded and exposed, it is unclear how vulnerable the slope is to mass wasting events.

Airborne contamination (terrestrial receptors)

Question G:

Could airborne contaminants interact with plants or animals through respiration of vapors?

- Contaminants must be present as volatiles in the air.
- Consider the importance of inhalation of vapors for burrowing animals.
- Foliar uptake of organic vapors is typically not a significant pathway.

Provide quantification of pathway (0=no pathway, 1=unlikely pathway, 2=minor pathway, 3=major pathway):

⇒ **Terrestrial/Emergent Plants:** 1

⇒ **Terrestrial Animals:** 1

Provide explanation: Detected concentrations of volatile compounds in soil were low.

Question H:

Could airborne contaminants interact with plants or animals through deposition of particulates or with animals through inhalation of fugitive dust?

- Contaminants must be present as particulates in the air or as dust for this pathway to be viable.
- Exposure via inhalation of fugitive dust is particularly applicable to ground-dwelling species that would be exposed to dust disturbed by their foraging or burrowing activities or by wind movement.

Ecological Scoping Checklist: Part C
Ecological Pathways Conceptual Exposure Model (continued)

Provide quantification of pathway (0=no pathway, 1=unlikely pathway, 2=minor pathway, 3=major pathway):

⇒ **Terrestrial/Emergent Plants:** 1

⇒ **Terrestrial Animals:** 1

Provide explanation: Although completely denuded, the 260 outfall area does not appear to be an area of great fossorial animal activity, nor does it appear to be an area of anything but incidental wildlife traffic.

Soil-borne contamination (terrestrial receptors)

Question I:

Could soil-borne contaminants reach plants via root uptake or rain splash to leaf and stem surfaces from surface soils?

- Contaminants in bulk soil may partition into soil solution, making them available to roots.
- Exposure of terrestrial plants to contaminants present in particulates deposited on leaf and stem surfaces by rain striking contaminated soils (i.e., rain splash).

Provide quantification of pathway (0=no pathway, 1=unlikely pathway, 2=minor pathway, 3=major pathway):

⇒ **Terrestrial Plants:** 3

Provide explanation: Root uptake by plants is likely to be inhibiting the natural reclamation of 16-021(c) by plants.

Question J:

Could soil-borne contaminants reach receptors through food web transport from surface soils?

- Consider bioaccumulation and biomagnification. See list of potentially persistent bioaccumulators and biomagnifiers, presented in Table 1.
- Animals: may ingest contaminated prey.

Provide quantification of pathway (0=no pathway, 1=unlikely pathway, 2=minor pathway, 3=major pathway):

⇒ **Terrestrial Animals:** 2

Ecological Scoping Checklist: Part C
Ecological Pathways Conceptual Exposure Model (continued)

Provide explanation: The following potential persistent bioaccumulators were detected in surface soil: bis(2-ethylhexyl)phthalate, anthracene, phenanthrene, pyrene. However, the presence of animal receptors on PRS 16-021(c) is likely short-lived, thus limiting the severity of this exposure pathway.

Question K:

Could soil-borne contaminants interact with receptors via incidental ingestion of surface soils?

- Incidental ingestion of contaminated soil may occur while animals grub for food resident in the soil, or feed on plants/animals covered with contaminated soil, or while grooming themselves clean of soil.

Provide quantification of pathway (0=no pathway, 1=unlikely pathway, 2=minor pathway, 3=major pathway):

⇒ **Terrestrial Animals:** 2

Provide explanation: Animal persistence on 16-021(c) is likely incidental. Consequently, incidental ingestion of surface soil from the PRS is likely minimal compared to other areas frequented by individuals.

Question L:

Could soil-borne contaminants interact with receptors through dermal contact with surface soils?

- Significant exposure via dermal contact would generally be limited to organic contaminants which are lipophilic and can cross epidermal barriers.

Provide quantification of pathway (0=no pathway, 1=unlikely pathway, 2=minor pathway, 3=major pathway):

⇒ **Terrestrial Animals:** 1

Provide explanation: For fossorial invertebrates and vertebrates, this is a viable pathway. However, there appears to be minimal fossorial animal activity on 16-021(c).

Question M:

Could contaminants interact with plants or animals through external irradiation?

- External irradiation effects are most relevant for gamma emitting radionuclides.
- Burial of contamination severely attenuates radiological exposure.

Ecological Scoping Checklist: Part C
Ecological Pathways Conceptual Exposure Model (continued)

Provide quantification of pathway (0=no pathway, 1=unlikely pathway, 2=minor pathway, 3=major pathway):

⇒ **Terrestrial Plants:** 1

⇒ **Terrestrial Animals:** 1

Provide explanation: There were very limited radiological constituents found on this site.

Water borne contamination (terrestrial and aquatic receptors)

Question N:

Could water and sediment-borne contaminants reach plants via direct uptake from water and sediment or rain splash to leaf and stem surfaces from surface sediment?

- Contaminants may be taken-up by terrestrial plants whose roots are in contact with surface waters.
- Terrestrial plants may be exposed to particulates deposited on leaf and stem surfaces by rain striking contaminated sediments (i.e., rain splash on sediments *not* soils) in an area that is only periodically inundated with water.
- Contaminants in sediment may partition into soil solution, making them available to roots.
- Aquatic plants are in direct contact with water.

Provide quantification of pathway (0=no pathway, 1=unlikely pathway, 2=minor pathway, 3=major pathway):

⇒ **Terrestrial Plants:** 3

⇒ **Aquatic Plants:** 3

Provide explanation: Waterborne contaminants were the major form of contaminants released from the 260 outfall into stream reaches of Cañon de Valle.

Question O:

Could contaminants interact with receptors through food web transport from water and sediment?

- The chemicals may bioaccumulate in animals (see list of potentially persistent bioaccumulators and biomagnifiers, presented in Table 1.)
- Animals: may ingest contaminated prey.

Ecological Scoping Checklist: Part C
Ecological Pathways Conceptual Exposure Model (continued)

Provide quantification of pathway (0=no pathway, 1=unlikely pathway, 2=minor pathway, 3=major pathway):

⇒ **Terrestrial Animals:** 2

⇒ **Aquatic Animals:** 3

Provide explanation: Potential persistent bioaccumulators are listed under Question J. Aquatic pathways in the downstream reaches of the 260 outfall, Cañon de Valle and springs in the area of contaminant influence are major pathways to aquatic receptors. Terrestrial receptors may incidentally ingest contaminated water. There are few species of terrestrial predators of aquatic organisms in the area of Cañon de Valle, and none are obligate aquatic predators.

Question P:

Could contaminants interact with receptors via incidental ingestion of water and sediment?

- If sediments are present in an area that is only periodically inundated with water, terrestrial receptors may incidentally ingest sediments.
- Terrestrial receptors may ingest water-borne contaminants if contaminated surface waters are used as a drinking water source.
- Aquatic receptors may regularly or incidentally ingest sediment while foraging.

Provide quantification of pathway (0=no pathway, 1=unlikely pathway, 2=minor pathway, 3=major pathway):

⇒ **Terrestrial Animals:** 2

⇒ **Aquatic Animals:** 3

Provide explanation: Aquatic receptors are of major concern in Cañon de Valle due to the physical and biotic system and the nature of contaminant input to that system. Terrestrial receptors may receive contaminated surface and spring water while drinking and bathing.

Question Q:

Could contaminants interact with receptors through dermal contact with water and sediment?

- If sediments are present in an area that is only periodically inundated with water, terrestrial species may be dermally exposed during dry periods.
- Terrestrial organisms may be dermally exposed to water-borne contaminants as a result of wading or swimming in contaminated waters.

Ecological Scoping Checklist: Part C
Ecological Pathways Conceptual Exposure Model (continued)

- Aquatic receptors may be directly exposed to sediments or may be exposed through osmotic exchange, respiration, or ventilation of sediment pore waters.
- Aquatic receptors may be exposed through osmotic exchange, respiration, or ventilation of surface waters.

Provide quantification of pathway (0=no pathway, 1=unlikely pathway, 2=minor pathway, 3=major pathway):

⇒ **Terrestrial Animals:** 1

⇒ **Aquatic Animals:** 3

Provide explanation: See explanation for Question P. Terrestrial receptors undoubtedly use the waters of Cañon de Valle for bathing purposes.

Question R:

Could contaminants interact with plants or animals through external irradiation via water and sediment exposure?

- External irradiation effects are most relevant for gamma emitting radionuclides.
- Burial of contamination severely attenuates radiological exposure.
- The water column acts to absorb radiation, thus external irradiation is typically more important for sediment dwelling organisms.

Provide quantification of pathway (0=no pathway, 1=unlikely pathway, 2=minor pathway, 3=major pathway):

⇒ **Terrestrial Plants:** 1

⇒ **Aquatic Plants:** 1

⇒ **Terrestrial Animals:** 1

⇒ **Aquatic Animals:** 1

Provide explanation: There were very limited radiological constituents found upon sampling this site.

Ecological Scoping Checklist: Part C
Ecological Pathways Conceptual Exposure Model (continued)

Table D-3.1-1
List of Bioaccumulating Chemicals

Volatile Organics	PCBs/Pesticides
Dichlorobenzene[1,4-] Trichlorobenzene[1,2,4-] Xylene (mixed isomers)	All Aroclors beta-BHC BHC-mixed isomers Chlordane Chlorecone (Kepone) DDT and metabolites Dieldrin Endosulfan Endrin Heptaclor Lindane Methoxyclor Toxaphene
Semivolatile Organics	**Inorganics**
Acenaphthene Anthracene Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Benzo(g,h,i)perylene Benzo(k)fluoranthene Bis(2-ethylhexyl)phthalate Butyl benzyl phthalate Chrysene Dibenzo(a,h)anthracene Di-n-butyl phthalate Di-n-octyl phthalate Fluoranthene Fluorene Indeno(1,2,3-cd)pyrene Phenanthrene Pyrene Pentachloronitrobenzene Pentachlorophenol	Aluminum Cadmium Copper Lead Mercury Nickel Selenium
Dioxins/Furans	**Radionuclides**
Dibenzofuran 2,3,7,8-tetrachloro-dibenzo(p)dioxin 2,3,7,8-tetrachloro-dibenzo(p)furan	Americium-241 Cesium-137 Plutonium-238,239,240 Radium-226,-228 Strontium-90 Thorium-228,-230,-232 Uranium-234,-235,-238

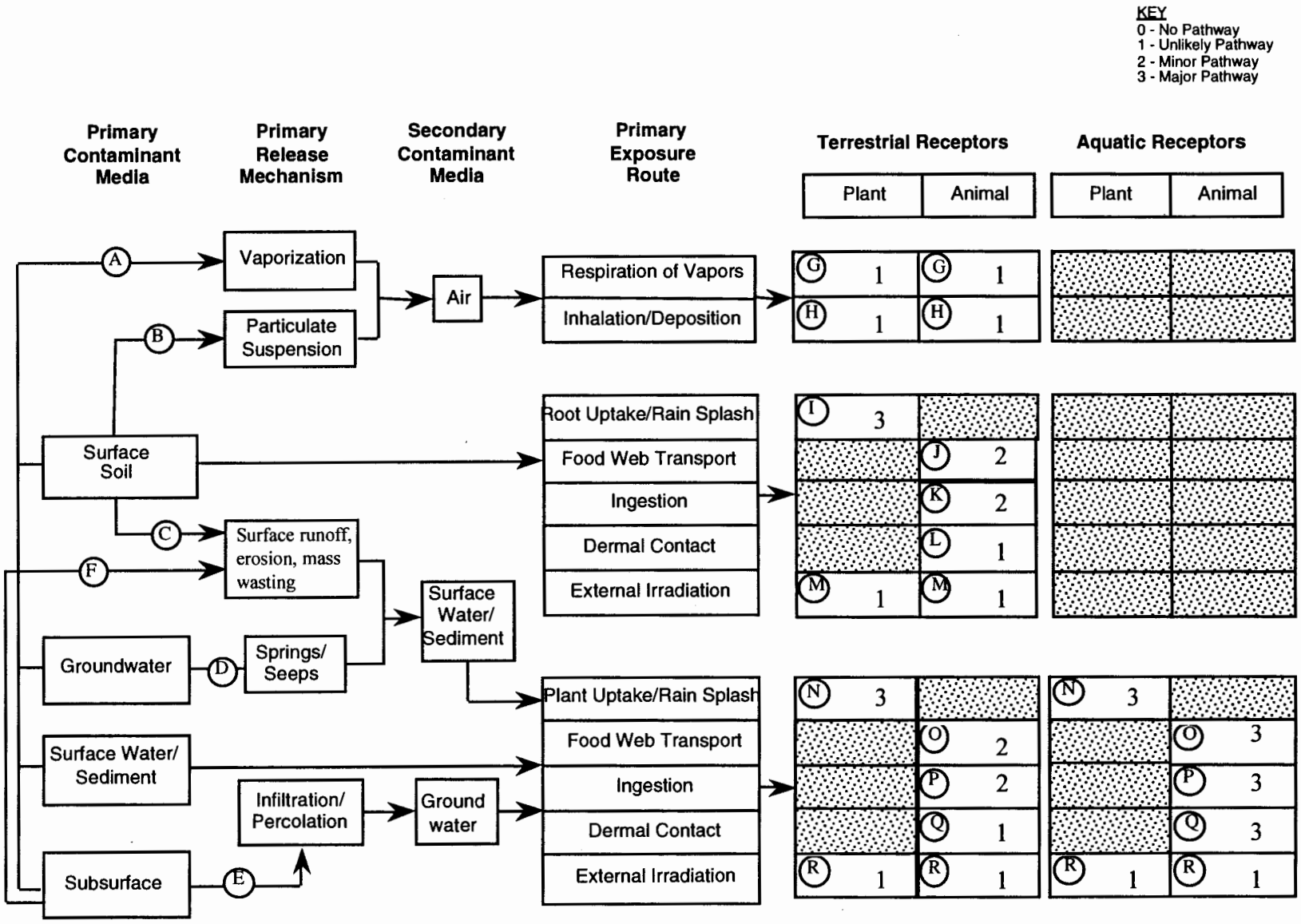


Figure D-3.1-1. Ecological Pathways Conceptual Exposure Model (EPCEM)

Ecological Scoping Checklist: Signatures and Certifications

Checklist completed by (provide name, organization and phone number)

Name (printed):	Mark M. Hooten
Name (signature):	
Organization:	Neptune and Co., Inc.
Phone number:	505-662-2121
Date completed:	Originally completed May 10, 1998; finalized on September 22, 1998.

Verification by a member of ER Project Ecological Risk Task Team (provide name, organization and phone number)

Name (printed):	Mark Tardiff
Name (signature):	
Organization:	Neptune and Co., Inc.
Phone number:	505-662-0730

D-3.2 Hazard Quotient and Hazard Index Analysis

The screening evaluation includes the calculation of hazard quotients (HQs) and hazard indices (HIs) for all COPCs. A HQ can be thought of as the ratio of the measured exposure dose received by a receptor (contaminant levels at a site [e.g. a PRS]), to a dose that has been determined to be acceptable based on toxicity studies (the Ecological Screening Level (ESL) for a specific receptor). A HI is calculated as the sum of HQs, across contaminants with like effects (i.e. non-radiological or radiological), for each screening receptor. The screening assessment HQ/HI analysis is based on the maximum concentration for each analyte identified as a COPC in each medium. Thus, HQs and HIs are toxicologically-based scores intended to indicate the potential for receptor-specific risk due to exposure to toxicants or radiological constituents. A HQ or HI greater than 1 is considered an indicator of potential adverse impacts to ecological receptors. The chemical constituents resulting in a HQ greater than 1 are identified as contaminants of potential ecological concern (COPECs). For a HI greater than 1, chemical constituents that contribute >0.1 to the total are also identified as COPECs.

Methods for calculating ESLs for non-radiological and radiological constituents are described in detail in Kelly et al. (1998, ER ID 57916, pp. 27-45). For plants and invertebrates (earthworms), non-radiological toxicant dose is measured as the concentration of a chemical constituent in soil; therefore the ESL values directly determine the critical dose at which the HQ=1 is conferred.

Mammalian and avian wildlife non-radiological ESLs are based on a back-calculation of the HQ formula, which includes the ecotoxicity screening reference value (ESRV, which in these instances are also the "no observed adverse effects level", or NOAEL) and dose exposure. (The U.S. EPA defines the NOAEL as the "highest level of a stressor evaluated in a toxicity test or biological field survey that causes no statistically significant difference in effect compared with controls or a reference site," [EPA 1997, ER ID 59370, Glossary-8]). The dose exposure model used for vertebrates is adopted from the Wildlife Exposure Factors Handbook (EPA 1993, ER ID 59384, Chapter 4.2). The dose exposure model is dependent on organismal body weight, ingestion rate of soil and water in the diet, concentration of the chemical in soil and foodstuffs (including soil), the total ingestion rate of all foodstuffs, the proportion of the organism's diet that is from a contaminated area, and simple bioaccumulation factors that are derived from the metabolic uptake of contaminants from various dietary media. For wildlife, ESL values (calculated from the dose exposure model) are based on the dietary regimen of the receptor, since ingestion is considered the major pathway. The equations for calculating the ESLs can be found in Kelly et al. (1998, ER ID 57916, pp. 27-35).

The ESLs for radionuclides are obtained by back-calculating the media concentration from the dose limit value through dose calculations. The calculation of the internal radioactive dose to biota is dependent on the type of radiation, the biochemistry of the radionuclide, the organ in which the radionuclide may preferentially deposit, and the complexity of the food chain. For terrestrial animals, the dose resulting from food chain intake must also be calculated (for details, see Kelly et al. 1998 [ER ID 57916, pp. 35-45]).

Receptors were chosen for screening purposes to be broadly representative of the food chain in the terrestrial environs of the greater Los Alamos area. Nine terrestrial receptors have been chosen for ecological screening purposes at LANL. The nine receptors include a generic plant, a soil-dwelling invertebrate (the earthworm), an American robin (avian invertebrate eater), an American kestrel (avian invertebrate/flesh eater), a peregrine falcon (the American kestrel with a 100% flesh diet as a surrogate), a deer mouse (mammalian omnivore), a vagrant shrew (mammalian invertebrate eater), a desert cottontail

(mammalian herbivore) and a gray fox (mammalian flesh eater). Currently, there are no specifically identified aquatic receptors for LANL. Thus, aquatic sediment and water ESL values, where utilized, were done so on the basis that they are generally conservative and protective of life among the benthos and organisms in the free water column. The ESL values used for aquatic sediments and water were taken from Ontario (1993, ER ID 59112, pp. 2-6) and EPA's Ecotox Thresholds (EPA 1996, ER ID 59383, pp. 1-12 and accompanying electronic database).

For each chemical constituent, a specific ecological receptor (e.g. a plant, a mouse or a kestrel), will score HQs and HIs differently, since toxicants may affect every species of consideration differently. Measured effects for any constituent may be reproductively, morbidity or mortality-based. For any given receptor, the toxicological effects conferred by non-radiological chemical constituents are considered to be similar and additive, so that those derived from inorganic or organic constituents are summed into the HI. The HI for radiological constituents is calculated separately from non-radiological constituents, since the effects are radiological dose-based, not toxicological dose. Radiological dose effects are also considered to be additive, so the HI is a sum across all radiological constituents.

For consideration of all terrestrial receptors simultaneously, one can view the minimum ESL for any single chemical constituent as conferring the greatest level of protection for all receptors. Then, the HQ for the minimum ESL across receptors, i.e. the maximum HQ across all receptors for a single chemical constituent, may be considered the most conservative assessment of relative risk for all receptors. As a conservative device, maximum HQs for each chemical constituent may be summed across all terrestrial or aquatic (but not both), to arrive at a "minimum ESL HI" or "Hazard Indicator Value Across Receptors" (HIVAR) for all chemicals of potential concern (COPCs). The HIVAR represents the total hazard posed to a hypothetical composite receptor, as a result of exposure to environmental contaminants. The HIVAR confers the maximum level of protection to all terrestrial receptors, even though it is for an amalgam of organisms. Indeed, the HIVAR will likely greatly exceed the maximum HI for any individual terrestrial receptor, and it can never be less than the HI for any single receptor. When viewed in this context, and when considered in the same vain as a HI for any single organism, the HIVAR allows one to afford maximum protection to all ecological screening receptors, while applying the rules for screening risk assessment for the identification of COPECs.

When considering HIs for sediment and water data, thus aquatic receptors, the HI is similar to a HIVAR since there is no target receptor of consideration. Again, calculation of HIs for aquatic receptors were generally conservative and protective of life among the benthos and organisms in the free water column.

Table D-3.2-1 and D-3.3-3 provide the HQ, HI, and HIVAR calculations for all nine terrestrial ecological screening receptors. Tables D-3.3-4 through D-3.3-20 provide details on HQ calculations for maximum sample results across terrestrial receptors, as well as a general aquatic receptor, with the latter utilizing the threshold values provided in Ontario (1993, ER ID 59112, pp. 2-6) and EPA's Ecotox Thresholds (EPA 1996, ER ID 59383, pp. 1-12 and accompanying electronic database). One can clearly see that for the most part, the HIVAR calculations far exceed the greatest HI calculation for any single ecological receptor.

In concert, the HQ, HI, and HIVAR calculations provide the clearest view of relative risk conferred from radiological and non-radiological chemical constituents considered in the screening analysis. Although the HIVAR is highly conservative, it is the best single device for identifying COPECs from the screening analysis. In the uncertainty analysis, which follows screening, one may further consider the ramifications of utilizing this highly conservative measure.

Table D-3.2-1
HI Calculations for Terrestrial Receptors on 260 Outfall Proper

Analyte	Max Sample Results (mg/kg)	Plant ESL	Plant HQ	Invertebrate (earthworm) ESL	Invertebrate (earthworm) HQ	Robin ESL	Robin HQ
Inorganics							
Antimony	9.8E+00	5.0E+00	2.0E+00	---	---	---	---
Arsenic	9.7E+00	1.0E+01	9.7E-01	6.0E+01	1.6E-01	9.9E+00	9.8E-01
Barium	3.3E+04	5.0E+02	6.7E+01	3.0E+03	1.1E+01	4.0E+01	8.3E+02
Cadmium	2.9E+00	4.0E+00	7.3E-01	2.0E+01	1.5E-01	4.4E+00	6.6E-01
Chromium, total	2.7E+01	---	---	---	---	9.2E+00	2.9E+00
Cobalt	1.7E+01	2.0E+01	8.4E-01	1.0E+03	1.7E-02	---	---
Copper	4.1E+01	1.0E+02	4.1E-01	5.0E+01	8.1E-01	2.8E+02	1.4E-01
Cyanide	2.0E+00	---	---	---	---	---	---
Lead	1.1E+02	5.0E+01	2.1E+00	5.0E+02	2.1E-01	5.8E+01	1.8E+00
Manganese	1.9E+03	5.0E+02	3.8E+00	1.0E+02	1.9E+01	4.9E+03	3.8E-01
Mercury	8.0E-02	3.0E-01	2.7E-01	1.0E-01	8.0E-01	8.7E-01	9.2E-02
Nickel	5.2E+01	3.0E+01	1.7E+00	9.0E+01	5.8E-01	3.4E+02	1.5E-01
Selenium	8.9E-01	1.0E+00	8.9E-01	7.0E+01	1.3E-02	8.5E-01	1.0E+00
Silver	4.1E+00	2.0E+00	2.1E+00	5.0E+01	8.2E-02	---	---
Uranium	8.7E+00	5.0E+00	1.7E+00	---	---	3.1E+01	2.8E-01
Vanadium	5.6E+01	2.0E+00	2.8E+01	2.0E+01	2.8E+00	2.2E+01	2.5E+00
Zinc	2.3E+02	5.0E+01	4.5E+00	1.0E+02	2.3E+00	7.7E+01	2.9E+00
HE							
Amino-2,6-dinitrotoluene[4-]	6.4E+01	---	---	---	---	---	---
Amino-4,6-dinitrotoluene[2-]	8.3E+01	8.0E+01	1.0E+00	---	---	---	---
Dinitrobenzene[1,3-]	2.9E+01	---	---	---	---	---	---
Dinitrotoluene[2,4-]	4.6E+01	---	---	---	---	---	---
Dinitrotoluene[2,6-]	5.4E-01	---	---	---	---	---	---
HMX	1.4E+05	---	---	---	---	---	---
Nitrobenzene	1.2E+00	---	---	4.0E+01	3.0E-02	---	---
Nitrotoluene[3-]	2.1E+00	---	---	---	---	---	---
Nitrotoluene[4-]	6.7E+00	---	---	---	---	---	---
RDX	1.2E+05	1.0E+02	1.2E+03	---	---	---	---
Trinitrobenzene[1,3,5-]	4.7E+00	---	---	---	---	---	---
Trinitrotoluene [2,4,6-]	1.0E+05	3.0E+01	3.4E+03	---	---	---	---
SVOCs							
Anthracene	5.4E+02	---	---	---	---	---	---
Benzoic Acid	4.3E-01	---	---	---	---	---	---
Bis(2-ethylhexyl)phthalate	4.6E+03	---	---	---	---	7.7E-01	6.0E+03
Dichlorobenzene[1,2-]	9.2E+00	---	---	---	---	---	---
Dinitrotoluene[2,4-]	2.6E+00	---	---	---	---	---	---
Dinitrotoluene[2,6-]	3.4E-01	---	---	---	---	---	---

Table D-3.2-1(continued)

Analyte	Max Sample Results (mg/kg)	Plant ESL	Plant HQ	Invertebrate (earthworm) ESL	Invertebrate (earthworm) HQ	Robin ESL	Robin HQ
SVOCs (continued)							
Hexachlorocyclopen-tadiene	9.6E+00	---	---	---	---	---	---
Nitrosodimethyl-amine[N-]	3.9E-01	---	---	---	---	---	---
Nitrosodiphenyl-amine[N-]	5.7E-02	---	---	---	---	---	---
Phenanthrene	4.6E+00	---	---	---	---	---	---
Pyrene	7.1E-02	---	---	---	---	---	---
VOCs							
Acetone	6.7E-02	---	---	---	---	---	---
Benzene	2.0E-03	---	---	---	---	---	---
Butylbenzene[sec-]	4.0E-02	---	---	---	---	---	---
Dichlorobenzene[1,2-]	1.0E-02	---	---	---	---	---	---
Isopropyltoluene[4-]	1.4E-01	---	---	---	---	---	---
Toluene	2.0E-03	2.0E+02	1.0E-05	---	---	---	---
Trichloroethane[1,1,1-]	6.5E-02	---	---	---	---	---	---
Trimethylbenzene[1,2,4-]	8.0E-02	---	---	---	---	---	---
Hazard Indices		**HI Plant**	**4.7E+03**	**HI Invertebrate**	**3.8E+01**	**HI Robin**	**6.9E+03**

Table D-3.2-1 (continued)

Analyte	Max Sample Results (mg/kg)	American Kestrel ESL	American Kestrel HQ	American Kestrel (falcon) ESL	American Kestrel (falcon) HQ	Desert Cottontail ESL	Desert Cottontail HQ
Inorganics							
Antimony	9.8E+00	---	---	---	---	1.6E+01	6.3E-01
Arsenic	9.7E+00	9.9E+01	9.8E-02	2.4E+03	4.1E-03	5.5E+01	1.8E-01
Barium	3.3E+04	4.0E+02	8.3E+01	1.0E+04	3.2E+00	8.1E+02	4.1E+01
Cadmium	2.9E+00	4.6E+01	6.4E-02	7.2E+02	4.0E-03	4.8E+01	6.0E-02
Chromium, total	2.7E+01	1.2E+02	2.3E-01	4.2E+02	6.4E-02	1.2E+06	2.3E-05
Cobalt	1.7E+01	---	---	---	---	---	---
Copper	4.1E+01	3.2E+03	1.3E-02	1.7E+04	2.4E-03	3.9E+02	1.0E-01
Cyanide	2.0E+00	---	---	---	---	1.9E+03	1.1E-03
Lead	1.1E+02	9.7E+02	1.1E-01	1.9E+03	5.5E-02	1.9E+03	5.5E-02
Manganese	1.9E+03	5.4E+04	3.5E-02	4.3E+05	4.4E-03	8.1E+02	2.3E+00
Mercury	8.0E-02	7.0E+00	1.1E-02	1.7E+01	4.8E-03	3.6E+02	2.2E-04
Nickel	5.2E+01	3.7E+03	1.4E-02	3.5E+04	1.5E-03	5.0E+03	1.0E-02
Selenium	8.9E-01	7.8E+00	1.1E-01	3.7E+01	2.4E-02	1.1E+01	8.4E-02
Silver	4.1E+00	---	---	---	---	4.8E+02	8.5E-03
Uranium	8.7E+00	3.1E+02	2.8E-02	5.4E+03	1.6E-03	1.8E+03	4.8E-03
Vanadium	5.6E+01	2.2E+02	2.5E-01	5.1E+03	1.1E-02	2.0E+02	2.8E-01
Zinc	2.3E+02	6.0E+02	3.8E-01	8.6E+02	2.6E-01	2.9E+03	7.7E-02
HE							
Amino-2,6-dinitrotoluene[4-]	6.4E+01	---	---	---	---	1.8E+01	3.5E+00
Amino-4,6-dinitrotoluene[2-]	8.3E+01	---	---	---	---	2.6E+01	3.1E+00
Dinitrobenzene[1,3-]	2.9E+01	---	---	---	---	5.9E-01	4.9E+01
Dinitrotoluene[2,4-]	4.6E+01	---	---	---	---	5.6E+00	8.3E+00
Dinitrotoluene[2,6-]	5.4E-01	---	---	---	---	3.1E+00	1.7E-01
HMX	1.4E+05	---	---	---	---	3.0E+00	4.5E+04
Nitrobenzene	1.2E+00	---	---	---	---	5.7E+01	2.1E-02
Nitrotoluene[3-]	2.1E+00	---	---	---	---	4.0E+01	5.3E-02
Nitrotoluene[4-]	6.7E+00	---	---	---	---	6.5E+01	1.0E-01
RDX	1.2E+05	---	---	---	---	1.6E+01	7.4E+03
Trinitrobenzene[1,3,5-]	4.7E+00	---	---	---	---	---	---
Trinitrotoluene[2,4,6-]	1.0E+05	---	---	---	---	9.6E+00	1.1E+04
SVOCs							
Anthracene	5.4E+02	---	---	---	---	2.4E+04	2.2E-02
Benzoic Acid	4.3E-01	---	---	---	---	3.4E+01	1.3E-02
Bis(2-ethylhexyl)phthalate	4.6E+03	4.6E-01	1.0E+04	2.4E-01	1.9E+04	1.9E+04	2.4E-01
Dichlorobenzene[1,2-]	9.2E+00	---	---	---	---	---	---

Table D-3.2-1 (continued)

Analyte	Max Sample Results (mg/kg)	American Kestrel ESL	American Kestrel HQ	American Kestrel (falcon) ESL	American Kestrel (falcon) HQ	Desert Cottontail ESL	Desert Cottontail HQ
SVOCs (continued)							
Dinitrotoluene[2,4-]	2.6E+00	---	---	---	---	5.6E+00	4.7E-01
Dinitrotoluene[2,6-]	3.4E-01	---	---	---	---	3.1E+00	1.1E-01
Hexachlorocyclopentadiene	9.6E+00	---	---	---	---	---	---
Nitrosodimethyl-amine[N-]	3.9E-01	---	---	---	---	---	---
Nitrosodiphenyl-amine[N-]	5.7E-02	---	---	---	---	---	---
Phenanthrene	4.6E+00	---	---	---	---	2.4E+02	1.9E-02
Pyrene	7.1E-02	---	---	---	---	3.1E+03	2.3E-05
VOCs							
Acetone	6.7E-02	---	---	---	---	5.2E+00	1.3E-02
Benzene	2.0E-03	---	---	---	---	3.2E+02	6.3E-06
Butylbenzene[sec-]	4.0E-02	---	---	---	---	---	---
Dichlorobenzene[1,2-]	1.0E-02	---	---	---	---	---	---
Isopropyltoluene[4-]	1.4E-01	---	---	---	---	---	---
Toluene	2.0E-03	---	---	---	---	7.1E+02	2.8E-06
Trichloroethane[1,1,1-]	6.5E-02	---	---	---	---	1.9E+04	3.4E-06
Trimethylbenzene[1,2,4-]	8.0E-02	---	---	---	---	---	---
Hazard Index		**HI Kestrel**	**1.0E+04**	**HI Falcon**	**1.9E+04**	**HI Cottontail**	**6.3E+04**

Table D-3.2-1 (continued)

Analyte	Max Sample Results (mg/kg)	Deer Mouse ESL	Deer Mouse HQ	Vagrant Shrew ESL	Vagrant Shrew HQ	Gray Fox ESL	Gray Fox HQ
Inorganics							
Antimony	9.8E+00	1.0E+00	9.6E+00	1.1E+00	8.6E+00	9.0E+01	1.1E-01
Arsenic	9.7E+00	1.2E+00	8.2E+00	1.2E+00	8.4E+00	8.8E+01	1.1E-01
Barium	3.3E+04	4.3E+01	7.7E+02	4.7E+01	7.1E+02	3.8E+03	8.8E+00
Cadmium	2.9E+00	8.5E+00	3.4E-01	1.4E+01	2.0E-01	7.4E+02	3.9E-03
Chromium, total	2.7E+01	1.3E+05	2.0E-04	1.2E+05	2.2E-04	1.8E+06	1.5E-05
Cobalt	1.7E+01	---	---	---	---	---	---
Copper	4.1E+01	1.1E+02	3.7E-01	3.4E+02	1.2E-01	6.9E+03	5.9E-03
Cyanide	2.0E+00	3.4E+02	5.9E-03	6.3E+02	3.2E-03	1.5E+03	1.3E-03
Lead	1.1E+02	4.8E+02	2.3E-01	5.8E+02	1.9E-01	5.9E+03	1.8E-02
Manganese	1.9E+03	2.6E+02	7.1E+00	2.1E+03	8.9E-01	6.0E+04	3.2E-02
Mercury	8.0E-02	6.5E+01	1.2E-03	1.2E+02	6.6E-04	1.1E+03	7.6E-05
Nickel	5.2E+01	6.5E+02	8.0E-02	8.4E+02	6.2E-02	2.8E+04	1.9E-03
Selenium	8.9E-01	1.3E+00	6.8E-01	1.8E+00	4.9E-01	3.4E+01	2.6E-02
Silver	4.1E+00	1.4E+02	2.9E-02	5.1E+02	8.0E-03	1.1E+04	3.6E-04
Uranium	8.7E+00	2.9E+01	3.0E-01	2.8E+01	3.1E-01	1.7E+03	5.1E-03
Vanadium	5.6E+01	2.0E+00	2.7E+01	1.9E+00	2.9E+01	1.4E+02	3.9E-01
Zinc	2.3E+02	8.8E+02	2.6E-01	4.0E+03	5.6E-02	2.0E+04	1.1E-02
HE							
Amino-2,6-dinitrotoluene[4-]	6.4E+01	4.3E+00	1.5E+01	1.2E+01	5.6E+00	1.4E+03	4.5E-02
Amino-4,6-dinitrotoluene[2-]	8.3E+01	6.2E+00	1.3E+01	1.7E+01	4.9E+00	2.1E+03	4.0E-02
Dinitrobenzene[1,3-]	2.9E+01	1.7E-01	1.7E+02	7.1E-01	4.1E+01	8.4E+01	3.5E-01
Dinitrotoluene[2,4-]	4.6E+01	1.3E+00	3.6E+01	3.2E+00	1.4E+01	4.0E+02	1.2E-01
Dinitrotoluene[2,6-]	5.4E-01	7.5E-01	7.1E-01	2.2E+00	2.5E-01	2.7E+02	2.0E-03
HMX	1.4E+05	1.1E+00	1.3E+05	2.1E+01	6.4E+03	2.2E+03	6.1E+01
Nitrobenzene	1.2E+00	1.4E+01	8.5E-02	4.2E+01	2.9E-02	5.2E+03	2.3E-04
Nitrotoluene[3-]	2.1E+00	6.8E+00	3.1E-01	1.2E+01	1.7E-01	1.6E+03	1.3E-03
Nitrotoluene[4-]	6.7E+00	1.2E+01	5.6E-01	2.2E+01	3.0E-01	2.9E+03	2.3E-03
RDX	1.2E+05	5.2E+00	2.3E+04	4.7E+01	2.5E+03	5.2E+03	2.3E+01
Trinitrobenzene[1,3,5-]	4.7E+00	---	---	---	---	---	---
Trinitrotoluene[2,4,6-]	1.0E+05	2.6E+00	3.9E+04	9.9E+00	1.0E+04	1.2E+03	8.6E+01
SVOCs							
Anthracene	5.4E+02	4.4E+02	1.2E+00	4.5E+02	1.2E+00	2.9E+04	1.9E-02
Benzoic Acid	4.3E-01	8.4E+00	5.1E-02	2.4E+01	1.8E-02	3.0E+03	1.5E-04
Bis(2-ethylhexyl)phthalate	4.6E+03	6.2E+01	7.4E+01	6.0E+01	7.6E+01	8.9E+00	5.2E+02
Dichlorobenzene[1,2-]	9.2E+00	---	---	---	---	---	---
Dinitrotoluene[2,4-]	2.6E+00	1.3E+00	2.1E+00	3.2E+00	8.1E-01	4.0E+02	6.5E-03
Dinitrotoluene[2,6-]	3.4E-01	7.5E-01	4.5E-01	2.2E+00	1.6E-01	2.7E+02	1.3E-03
Hexachlorocyclopentadiene	9.6E+00	---	---	---	---	---	---

Table D-3.2-1 (concluded)

Analyte	Max Sample Results (mg/kg)	Deer Mouse ESL	Deer Mouse HQ	Vagrant Shrew ESL	Vagrant Shrew HQ	Gray Fox ESL	Gray Fox HQ
SVOCs (continued)							
Nitrosodimethyl-amine[N-]	3.9E-01	---	---	---	---	---	---
Nitrosodiphenyl-amine[N-]	5.7E-02	---	---	---	---	---	---
Phenanthrene	4.6E+00	4.4E+00	1.0E+00	4.5E+00	1.0E+00	2.9E+02	1.6E-02
Pyrene	7.1E-02	3.2E+01	2.2E-03	3.2E+01	2.2E-03	7.5E+02	9.5E-05
VOCs							
Acetone	6.7E-02	1.9E+00	3.6E-02	7.5E+01	8.9E-04	7.4E+03	9.0E-06
Benzene	2.0E-03	6.8E+01	3.0E-05	1.5E+02	1.3E-05	2.0E+04	1.0E-07
Butylbenzene[sec-]	4.0E-02	---	---	---	---	---	---
Dichlorobenzene[1,2-]	1.0E-02	---	---	---	---	---	---
Isopropyltoluene[4-]	1.4E-01	---	---	---	---	---	---
Toluene	2.0E-03	9.4E+01	2.1E-05	1.4E+02	1.4E-05	1.9E+04	1.1E-07
Trichloroethane[1,1,1-]	6.5E-02	3.2E+03	2.0E-05	5.6E+03	1.2E-05	7.4E+05	8.8E-08
Trimethylbenzene[1,2,4-]	8.0E-02	---	---	---	---	---	---
		HI Mouse	**1.9E+05**	**HI Shrew**	**2.0E+04**	**HI Fox**	**7.0E+02**

Table D-3.2-2

HIVAR Calculations for Terrestrial Receptors on 260 Outfall Proper

Analyte		min ESL	HQ for min ESL	Receptor
Inorganics				
Antimony	9.8E+00	1.0E+00	9.6E+00	Mouse
Arsenic	9.7E+00	1.2E+00	8.4E+00	Shrew
Barium	3.3E+04	4.0E+01	8.3E+02	Robin
Cadmium	2.9E+00	3.0E+00	9.7E-01	Plant
Chromium, total	2.7E+01	9.2E+00	2.9E+00	Robin
Cobalt	1.7E+01	2.0E+01	8.4E-01	Plant
Copper	4.1E+01	5.0E+01	8.1E-01	Invert
Cyanide	2.0E+00	3.4E+02	5.9E-03	Mouse
Lead	1.1E+02	5.0E+01	2.1E+00	Plant
Manganese	1.9E+03	1.0E+02	1.9E+01	Invert
Mercury	8.0E-02	1.0E-01	8.0E-01	Invert
Nickel	5.2E+01	3.0E+01	1.7E+00	Plant
Selenium	8.9E-01	8.5E-01	1.0E+00	Robin
Silver	4.1E+00	2.0E+00	2.1E+00	Plant
Uranium	8.7E+00	5.0E+00	1.7E+00	Plant
Vanadium	5.6E+01	1.9E+00	2.9E+01	Shrew
Zinc	2.3E+02	5.0E+01	4.5E+00	Plant
HIVAR for inorganics = 9.2E+02				

Table D-3.2-2 (continued)

Analyte		min ESL	HQ for min ESL	Receptor
HE				
Amino-2,6-dinitrotoluene[4-]	6.4E+01	4.3E+00	1.5E+01	Mouse
Amino-4,6-dinitrotoluene[2-]	8.3E+01	6.2E+00	1.3E+01	Mouse
Dinitrobenzene[1,3-]	2.9E+01	1.7E-01	1.7E+02	Mouse
Dinitrotoluene[2,4-]	4.6E+01	1.3E+00	3.6E+01	Mouse
Dinitrotoluene[2,6-]	5.4E-01	7.5E-01	7.1E-01	Mouse
HMX	1.4E+05	1.1E+00	1.3E+05	Mouse
Nitrobenzene	1.2E+00	1.4E+01	8.5E-02	Mouse
Nitrotoluene[3-]	2.1E+00	6.8E+00	3.1E-01	Mouse
Nitrotoluene[4-]	6.7E+00	1.2E+01	5.6E-01	Mouse
RDX	1.2E+05	5.2E+00	2.3E+04	Mouse
Trinitrobenzene[1,3,5-]	4.7E+00	---	---	---
Trinitrotoluene[2,4,6-]	1.0E+05	2.6E+00	3.9E+04	Mouse
HIVAR for HE = 1.9E+05				
SVOCs				
Anthracene	5.4E+02	4.4E+02	1.2E+00	Mouse
Benzoic Acid	4.3E-01	8.4E+00	5.1E-02	Mouse
Bis(2-ethylhexyl)phthalate	4.6E+03	2.4E-01	1.9E+04	Kestrel (falcon)
Dichlorobenzene[1,2-]	9.2E+00	---	---	---
Dinitrotoluene[2,4-]	2.6E+00	1.3E+00	2.1E+00	Mouse
Dinitrotoluene[2,6-]	3.4E-01	7.5E-01	4.5E-01	Mouse
Hexachlorocyclopentadiene	9.6E+00	---	---	---
Nitrosodimethylamine[N-]	3.9E-01	---	---	---
Nitrosodiphenylamine[N-]	5.7E-02	---	---	---
Phenanthrene	4.6E+00	4.4E+00	1.0E+00	Mouse
Pyrene	7.1E-02	3.2E+01	2.2E-03	Shrew
HIVAR for SVOCs = 1.9E+04				
VOCs				
Acetone	6.7E-02	1.9E+00	3.6E-02	Mouse
Benzene	2.0E-03	6.8E+01	3.0E-05	Mouse
Butylbenzene[sec-]	4.0E-02	---	---	---
Dichlorobenzene[1,2-]	1.0E-02	---	---	---
Isopropyltoluene[4-]	1.4E-01	---	---	---
Toluene	2.0E-03	9.4E+01	2.1E-05	Mouse
Trichloroethane[1,1,1-]	6.5E-02	3.2E+03	2.0E-05	Mouse
Trimethylbenzene[1,2,4-]	8.0E-02	---	---	---
HIVAR for VOCs = 3.6E-02				
		HIVAR	**2.1E+05**	

Table D-3.2-3
260 Outfall (Inorganics)

Analyte	Sample Results (mg/kg)	RFI Qualifier	Location ID	Sample ID	Media	Depth of Max Sample Result	Frequency of detects	Ecological Screening Level	Receptor	HQ	Bio-accumulator?
Antimony	9.8	U	16-1380	0316-95-0028	Surface Soil	0-.5	not known	1.02	Mouse	9.6	no
Arsenic	9.7		16-2710	0316-97-0388	Surface Soil	.5-1	46 of 46	1.15	Shrew	8.4	no
Barium	33300		16-1392	0316-95-0040	Surface Soil	0-.5	46 of 46	40.13	Robin	830	no
Cadmium	2.9		16-1388	0316-95-0036	Surface Soil	0-.5	14 of 46	3.00	Plant	0.97	yes
Chromium, Total	26.8		16-1380	0316-95-0028	Surface Soil	0-.5	41 of 41	9.23	Robin	2.9	no
Cobalt	16.8		16-2710	0316-97-0388	Surface Soil	.5-1	44 of 46	20.00	Plant	0.84	no
Copper	40.5		16-1380	0316-95-0028	Surface Soil	0-.5	46 of 46	50.00	Invert	0.81	yes
Cyanide	2	U	16-1380	0316-95-0028	Surface Soil	0-.5	not known	340.00	Mouse	0.01	no
Lead	107		16-1380	0316-95-0028	Surface Soil	0-.5	46 of 46	50.00	Plant	2.1	yes
Manganese	1890		16-2710	0316-97-0388	Surface Soil	.5-1	46 of 46	100.00	Invert	19	no
Mercury	0.08	J	16-1387	0316-95-0035	Surface Soil	0-.5	2 of 46	0.10	Invert	0.80	yes
Nickel	51.9		16-1387	0316-95-0035	Surface Soil	0-.5	46 of 46	30.00	Plant	1.7	yes
Selenium	0.89	J	16-2710	0316-97-0388	Surface Soil	.5-1	1 of 46	0.85	Robin	1.0	yes
Silver	4.1		16-1390	0316-95-0038	Surface Soil	0-.5	9 of 46	2.00	Plant	2.1	no
Uranium	8.71		16-1389	0316-95-0037	Surface Soil	0-.5	37 of 37	5.00	Plant	1.7	no
Vanadium	55.7		16-1380	0316-95-0028	Surface Soil	0-.5	46 of 46	1.92	Shrew	29	no
Zinc	226		16-1380	0316-95-0028	Surface Soil	0-.5	46 of 46	50.00	Plant	4.5	no

Table D-3.2-4
260 Outfall (HE)

Analyte	Sample Results (mg/kg)	RFI Qualifier	Location ID	Sample ID	Media	Depth of Max Sample Result (ft.)	Frequency of detects	Ecological Screening Level	Receptor	HQ	Bio-accumulator?
Amino-2, 6-dinitrotoluene[4-]	64.1		16-1408	0316-95-0026	Surface Soil	0-.5	20 of 46	4.28	Mouse	15	no
Amino-4,6-dinitrotoluene[2-]	82.7		16-1408	0316-95-0026	Surface Soil	0-.5	28 of 41	6.22	Mouse	13	no
Dinitrobenzene [1,3-]	29	J	16-1383	0316-95-2013	Surface Soil	0-.5	2 of 46	none	---	---	no
Dinitrotoluene [2,4-]	46.1	J-	16-1382	0316-95-0045	Surface Soil	1.5-1.9	20 of 46	1.26	Mouse	36	no
Dinitrotoluene [2,6-]	0.537		16-1394	0316-95-0042	Surface Soil	0-.5	2 of 46	0.75	Mouse	0.71	no
HMX	137000		16-1388	0316-95-0036	Surface Soil	0-.5	42 of 46	1.05	Mouse	129976	no
Nitrobenzene	1.2		16-1404	0316-95-0022	Surface Soil	0-.2	2 of 46	14.16	Mouse	0.08	no
Nitrotoluene[3-]	2.12		16-1400	0316-95-0018	Surface Soil	0-.5	1 of 41	none	---	---	no
Nitrotoluene[4-]	6.66	J	16-1389	0316-95-0037	Surface Soil	0-.5	1 of 41	none	---	---	no
RDX	118000	J-	16-1382	0316-95-0045	Surface Soil	1.5-1.9	33 of 46	5.19	Mouse	22717	no
Trinitrobenzene [1,3,5-]	4.68	J-	16-1383	0316-95-0046	Surface Soil	1.7-2.2	8 of 46	none	---	---	no
Trinitrotoluene[2,4,6-]	102000	J-	16-1382	0316-95-0045	Surface Soil	1.5-1.9	26 of 46	2.62	Mouse	38971	no

Table D-3.2-5
260 Outfall SVOCs and VOCs

Analyte	Sample Results (mg/kg)	RFI Qualifier	Location ID	Sample ID	Media	Depth of Max Sample Result (ft.)	Frequency of detects	Ecological Screening Level	Receptor	HQ	Bio-accumu-lator?
SVOCs											
Anthracene	540		16-1383	0316-95-0046	Surface Soil	1.7-2.2	9 of 46	443.07	Mouse	1.2	yes
Benzoic Acid	0.43	J	16-1404	0316-95-0022	Surface Soil	0-.2	6 of 46	8.36	Mouse	0.05	no
Bis(2-ethylhexyl)phthalate	4600		16-1379	0316-95-0044	Surface Soil	1-1.5	20 of 46	0.24	Kestrel (falcon)	18979	yes
Dichlorobenzene [1,2-]	9.2		16-1386	0316-95-0034	Surface Soil	0-.5	1 of 46	none	---	---	no
Dinitrotoluene[2,4-]	2.6		16-1404	0316-95-0022	Surface Soil	0-.2	14 of 46	1.26	Mouse	2.1	no
Dinitrotoluene[2,6-]	0.34	J	16-1390	0316-95-0038	Surface Soil	0-.5	6 of 46	0.75	Mouse	0.45	no
Hexachloro cyclopentadiene	9.6		16-1383	0316-95-0031	Surface Soil	0-.5	1 of 46	none	---	---	no
Nitrosodiphenylamine[N-]	0.057	J	16-1390	0316-95-0038	Surface Soil	0-.5	1 of 46	none	---	---	no
Phenanthrene	4.6		16-1384	0316-95-0032	Surface Soil	0-.5	3 of 46	4.43	Mouse	1.0	yes
Pyrene	0.071	J	16-1390	0316-95-0038	Surface Soil	0-.5	1 of 46	31.61	Shrew	0.00	yes
VOCs											
Acetone	0.067	J-	16-1379	0316-95-0044	Surface Soil	1-1.5	4 of 13	1.85	Mouse	0.04	no
Benzene	0.002	J+	16-2713	0316-97-0328	Surface Soil	0-.5	1 of 13	67.67	Mouse	0.00	no
Butylbenzene[sec-]	0.04	J-	16-1382	0316-95-0045	Surface Soil	1.5-1.9	1 of 13	none	---	---	no
Dichlorobenzene [1,2-]	0.01		16-1383	0316-95-0046	Surface Soil	1.7-2.2	1 of 13	none	---	---	no
Isopropyltoluene[4-]	0.14	J-	16-1382	0316-95-0045	Surface Soil	1.5-1.9	3 of 13	none	---	---	no
Toluene	0.002	J+	16-2713	0316-97-0328	Surface Soil	0-.5	1 of 13	94.36	Mouse	0.00	no
Trichloroethane [1,1,1-]	0.065	J-	16-1383	0316-95-0046	Surface Soil	1.7-2.2	1 of 13	3195.76	Mouse	0.00	no
Trimethylbenzene [1,2,4-]	0.08	J-	16-1382	0316-95-0045	Surface Soil	1.5-1.9	2 of 13	none	---	---	no

Table D-3.2-6
Cañon de Valle Sediments (Inorganics)

Analyte	Max Sample Concentration (mg/kg)	RFI Qualifier	Location ID	Sample ID	Media	Depth of Max Sample Result	Frequency of detects	Ontario threshold (mg/Kg)	HQ based on Ontario threshold	Bio-accumulator?
Antimony	22.00	U	16-2671	0316-97-0441	Sediment	<6 inches	not known	none	---	no
Arsenic	11.00		16-2753	0816-96-0064	Sediment	<6 inches	24 of 54	6.00	1.8	no
Barium	40300.00	J	16-2757	0816-96-0068	Sediment	<6 inches	55 of 55	none	---	no
Cadmium	1.30		16-2671	0316-97-0441	Sediment	<6 inches	8 of 55	0.60	2.2	yes
Chromium, total	17.80	J	16-2749	0816-96-0060	Sediment	<6 inches	53 of 55	26.00	0.68	no
Cobalt	23.90		16-2687	0316-97-0475	Sediment	<6 inches	53 of 55	50.00	0.48	no
Copper	99.80		16-2753	0816-96-0064	Sediment	<6 inches	53 of 55	16.00	6.2	yes
Cyanide, total	1.90	J-	16-2670	0316-97-0440	Sediment	<6 inches	2 of 49	0.10	19	no
Iron	22000.00		16-2753	0816-96-0064	Sediment	<6 inches	55 of 55	20000.00	1.1	no
Lead	129.00		16-2753	0816-96-0064	Sediment	<6 inches	55 of 55	31.00	4.2	yes
Manganese	1910.00	J+	16-2775	0816-96-0087	Sediment	<6 inches	54 of 54	460.00	4.2	no
Mercury	0.39		16-2771	0816-96-0083	Sediment	<6 inches	15 of 55	0.20	2.0	yes
Nickel	305.00	J-	16-2749	0816-96-0060	Sediment	<6 inches	50 of 55	16.00	19	yes
Selenium	3.00	nv	16-1002	AAB1610	Sediment	<6 inches	11 of 55	none	---	yes
Silver	15.10		16-2749	0816-96-0060	Sediment	<6 inches	29 of 55	0.50	30	no
Thallium	7.10		16-2775	0816-96-0087	Sediment	<6 inches	11 of 55	none	---	no
Uranium	3.91	J-	16-2778	0816-96-0090	Sediment	<6 inches	31 of 31	none	---	no
Vanadium	54.20		16-2753	0816-96-0064	Sediment	<6 inches	55 of 55	none	---	no
Zinc	117.00		16-2778	0816-96-0090	Sediment	<6 inches	55 of 55	none	---	no

Table D-3.2-7
Cañon de Valle Sediments (HE)

Analyte	Max Sample Concentration (mg/kg)	RFI Qualifier	Location ID	Sample ID	Media	Depth of Max Sample Result	Frequency of Detects	Ontario threshold (mg/Kg)	HQ based on Ontario threshold	Bio-accumulator?
Amino-2,6-dinitrotoluene [4-]	0.91		16-2754	0816-96-0065	Sediment	<6 inches	19 of 49	none	---	no
Amino-4,6-dinitrotoluene [2-]	1.02		16-2760	0816-96-0071	Sediment	<6 inches	6 of 31	none	---	no
HMX	170.00		16-2767	0816-96-0079	Sediment	<6 inches	19 of 55	none	---	no
Nitrobenzene	0.09		16-2759	0816-96-0070	Sediment	<6 inches	1 of 55	none	---	no
Nitrotoluene[3-]	0.35		16-2773	0816-96-0085	Sediment	<6 inches	1 of 55	none	---	no
RDX	42.00		16-2687	0316-97-0475	Sediment	<6 inches	14 of 55	none	---	no
Trinitrobenzene [1,3,5-]	0.11		16-2772	0816-96-0084	Sediment	<6 inches	1 of 55	none	---	no
Trinitrotoluene [2,4,6-]	1.35		16-2754	0816-96-0065	Sediment	<6 inches	10 of 55	none	---	no

Table D-3.2-8
Cañon de Valle Sediments (Organics [VOCs/SVOCs])

Analyte	Max Sample Concentration (mg/kg)	RFI Qualifier	Location ID	Sample ID	Media	Depth of Max Sample Result	Frequency of Detects	Ontario threshold (mg/Kg)	HQ based on Ontario threshold	Bio-accumulator?
SVOCs										
Benzoic Acid	0.750	J	16-2682	0316-97-0470	Sediment	<6 inches	3 of 37	none	---	no
Benzyl Alcohol	0.240	J	16-2682	0316-97-0470	Sediment	<6 inches	1 of 36	none	---	no
Bis(2-ethylhexyl) phthalate	0.740	J	16-2778	0816-96-0090	Sediment	<6 inches	15 of 37	none	---	yes
Diethyl phthalate	0.470	J	16-2773	0816-96-0085	Sediment	<6 inches	6 of 37	none	---	no
Di-n-butyl phthalate	10.000		16-2754	0816-96-0065	Sediment	<6 inches	31 of 37	none	---	no
Fluoranthene	0.060	J	16-2683	0316-97-0471	Sediment	<6 inches	1 of 37	0.75	0.08	yes
Phenol	0.340	J	16-2682	0316-97-0470	Sediment	<6 inches	1 of 37	none	---	no
Pyrene	0.052	J	16-2683	0316-97-0471	Sediment	<6 inches	1 of 37	0.49	0.11	Yes
VOCs										
Acetone	0.048	J	16-2682	0316-97-0470	Sediment	<6 inches	1 of 12	none	---	no
Dichlorodi fluoromethane	0.005	J	16-2687	0316-97-0475	Sediment	<6 inches	3 of 12	none	---	no
Isopropyl toluene[4-]	0.059		16-2682	0316-97-0470	Sediment	<6 inches	1 of 12	none	---	no
Toluene	0.036	J	16-2687	0316-97-0475	Sediment	<6 inches	4 of 12	none	---	no
Trichloro-1,2,2-trifluoroethane [1,1,2-]	0.003	J	16-2685	0316-97-0473	Sediment	<6 inches	1 of 12	none	---	no
Trichlorofluoromethane	0.003	J	16-2683	0316-97-0471	Sediment	<6 inches	2 of 12	none	---	no

Table D-3.2-9
Cañon de Valle Sediments (Rad)

Analyte	Max Sample Concentration (pci/g)	RFI Qualifier	Location ID	Sample ID	Media	Depth of Max Sample Result	Frequency of detects	Background Value (Fallout)	Frequency of Detects Above Background Value (Fallout)	Ecological Screening Level	HQ	Bio-accumulator?
Cesium-137	1.060		16-2749	0816-96-0060	Sediment	<6 inches	12 of 31	0.9	1 of 31	42.40	0.03	yes

Table D-3.2-10
Cañon de Valle Water (Inorganics)

Analyte	Max Filtered Concentration (µg/l)	RFI Qualifier	Location ID	Sample ID	Filtered Media	Frequency of Filtered Detects	Ecotox Surface Water Threshold	HQ based on threshold	Bio-accumulator?
Antimony	4.00		16-1001	AAB1597	Surface Water	3 of 13	none	---	no
Barium	4700.00		16-2671	0316-97-0451	Surface Water	14 of 14	3.9	1205	no
Calcium	18000.00		16-1001	AAB1597	Surface Water	14 of 14	none	---	no
Chromium, total	4.30		16-1003	AAB1599	Surface Water	3 of 14	180.0	0.02	no
Lead	5.00		16-2671	0316-97-0451	Surface Water	7 of 14	2.5	2.0	yes
Magnesium	5400.00		16-1002	AAB1598	Surface Water	7 of 14	none	---	no
Manganese	1800.00	J	16-2675	0316-97-0455	Surface Water	7 of 14	80.0	23	no
Mercury	ND		ND	ND	Surface Water	0 of 11	1.3	0.00	no
Nickel	40.00		16-2675	0316-97-0455	Surface Water	1 of 14	160.0	0.25	yes
Potassium	3440.00	J	16-2748	0816-96-0046	Surface Water	14 of 14	none	---	no
Sodium	24300.00		16-2748	0816-96-0046	Surface Water	9 of 14	none	---	no
Vanadium	5.00		16-1001	AAB1597	Surface Water	6 of 14	19.0	0.26	no
Zinc	30.00		16-2675	0316-97-0455	Surface Water	6 of 14	100.0	0.30	no

Table D-3.2-11
Cañon de Valle Surface Water (HE)

Analyte	Max Filtered Concentration (µg/l)	RFI Qualifiers	Location ID	Sample ID	Media	Frequency of Filtered Detects	Ecotox Surface Water Threshold	HQ based on Threshold	Bio-accumulator?
Amino-2,6-dinitrotoluene[4-]	4.9	---	16-2671	0316-97-0451	Surface Water	3 of 4	none	---	no
Amino-4,6-dinitrotoluene[2-]	ND	---	ND	ND	Surface Water	ND	none	---	no
Dinitrotoluene[2,4-]	ND	---	ND	ND	Surface Water	ND	none	---	no
HMX	40	---	16-2671	0316-97-0451	Surface Water	2 of 10	none	---	no
Nitrotoluene[2-]	ND	---	ND	ND	Surface Water	ND	none	---	no
RDX	54	---	16-2671	0316-97-0451	Surface Water	2 of 10	none	---	no
Trinitrobenzene [1,3,5-]	ND	---	ND	ND	Surface Water	ND	none	---	no
Trinitrotoluene [2,4,6-]	1.8	---	16-2675	0316-97-0455	Surface Water	1 of 10	none	---	no

Table D-3.2-12
Cañon de Valle Surface Water (Organics)

Analyte	Max Detected Concentration (µg/l)*	RFI Qualifiers	Location ID	Sample ID	Media	Frequency of Filtered Detects	Ecotox Surface Water Threshold	HQ based on Threshold	Bio-accumulator?
SVOCs									
Bis(2-ethylhexyl) phthalate	13		16-2769	0816-96-0104	Surface Water	3 of 23	32.0	0.41	yes
Chlorophenol[2-]	10		16-2765	0816-96-0099	Surface Water	1 of 23	none	---	no
Dinitro-2-methylphenol [4,6-]	50		16-2764	0816-96-0098	Surface Water	1 of 23	none	---	no
Dinitrotoluene [2,6-]	1	J	16-2747	0816-96-0047	Surface Water	1 of 10	none	---	no
Di-n-octylphthalate	10		16-2757	0816-96-0091	Surface Water	1 of 23	none	---	no
VOCs									
Acetone	8	J	16-2763	0816-96-0097	Surface Water	1 of 23	none	---	no
Dichloroethane[1,2-]	7		16-2688	0316-97-3032	Surface Water	3 of 13	none	---	no
Methylene Chloride	6		16-2766	0816-96-0100	Surface Water	1 of 23	none	---	no

* All reported concentrations are considered to be from filtered field preparation.

Table D-3.2-13
Cañon de Valle Surface Water Radionuclides

Analyte	Max Concentration (pCi/l)	RFI Qualifier	Location ID	Sample ID	Media	Frequency of Detects	Ecotox* Surface Water Threshold	HQ based on threshold	Bio-accumulator?
Filtered Data									
Uranium-234	ND		ND	ND	Surface Water	N/A	none	---	yes
Uranium-238	ND		ND	ND	Surface Water	N/A	none	---	yes
Unfiltered Data									
Uranium-234	0.144		36-10030	0236-97-0016	Surface Water	1 of 2	none	---	yes
Uranium-238	0.135		36-10030	0236-97-0016	Surface Water	1 of 2	none	---	yes

Table D-3.2-14
Alluvial Water Inorganics

Analyte	Max Filtered Concentration (µg/l)	RFI Qualifier	Location ID	Sample ID	Filtered Media	Frequency of Filtered Detects	Ecotox Surface Water Threshold	HQ based on threshold	Bio-accumulator?
Barium	12000		16-2658	0316-97-0479	Alluvial Water	7 of 7	3.9	3077	no
Calcium	30000		16-2655	0316-97-0476	Alluvial Water	6 of 7	none	---	no
Lead	3	J	16-2653	0316-97-3107	Peter Seep	3 of 7	2.5	1.2	yes
Magnesium	4800		16-2653	0316-97-3107	Peter Seep	3 of 7	none	---	no
Potassium	9000		16-2655	0316-97-0476	Alluvial Water	8 of 8	none	---	no
Sodium	190000		16-2655	0316-97-0476	Alluvial Water	6 of 7	none	---	no
Vanadium	2.4	J	16-2653	0316-97-3024	Peter Seep	1 of 6	19.0	0.13	no

Table D-3.2-15
Alluvial Water (HE)

Analyte	Max Filtered Concentration (µg/l)	RFI Qualifier	Location ID	Sample ID	Media	Frequency of Filtered Detects	Ecotox Surface Water Threshold	HQ based on threshold	Bio-accumulator?
Amino-2,6-dinitrotoluene[4-]	3.6		16-2659	0316-97-0480	Alluvial Water	1 of 4	none	---	no
Amino-4,6-dinitrotoluene[2-]	3.2		16-2659	0316-97-0480	Alluvial Water	1 of 2	none	---	no
HMX	21		16-2659	0316-97-0480	Alluvial Water	2 of 2	none	---	no
RDX	42		16-2659	0316-97-0480	Alluvial Water	2 of 2	none	---	no
Trinitrotoluene [2,4,6-]	1.3		16-2653	0316-97-3107	Peter Seep	2 of 2	none	---	no

Table D-3.2-16
Alluvial Water (SVOCs and VOCs)

Analyte	Max Filtered Concentration (µg/l)	RFI Qualifier	Location ID	Sample ID	Media	Frequency of Filtered Detects	Ecotox Surface Water Threshold	HQ based on threshold	Bio-accumulator?
VOCs									
Acetone	41		16-2655	0316-97-0476	Alluvial Water	1 of 4	none	---	no
Dichloroethene[cis-1,2-]	19		16-2654	0316-97-3102	Fishladder Seep	1 of 1	none	---	no

Table D-3.2-17
Springs (Inorganics)

Analyte	Max Filtered Concentration (µg/l)	RFI Qualifier	Location ID	Sample ID	Filtered Media (Spring Water)	Frequency of Filtered Detects	Ecotox Surface Water Threshold	HQ based on threshold	Bio-accumulator?
Aluminum	3580		16-2650	0316-97-3002	Martin	12 of 15	none	---	yes
Barium	302		16-2651	0316-97-3003	SWSC	15 of 15	3.9	77	no
Bicarbonate	99200		16-2650	0316-97-3009	Martin	not known	none	---	no
Boron	1800		16-2650	0316-97-3014	Martin	6 of 6	none	---	no
Calcium	30000		16-2650	0316-97-3185	Martin	15 of 18	none	---	no
Chloride	22000		16-2650	0316-97-3185	Martin	12 of 12	none	---	no
Fluoride	800		16-2650	0316-97-3185	Martin	11 of 12	none	---	no
Iron	1640		16-2651	0316-97-3003	SWSC	12 of 15	1000.0	1.6	no
Magnesium	6370		16-2650	0316-97-3012	Martin	13 of 15	none	---	no
Manganese	70		16-2651	0316-97-3187	SWSC	10 of 15	80.0	0.88	no
Nitrogen, Nitrate (Expressed as NO_3)	10700		16-2650	0316-97-3002	Martin	3 of 3	none	---	no
Phosphorus, Orthophosphate (Expressed as PO_4)	230		16-2652	0316-97-3008	Burning Ground	3 of 3	none	---	no
Silicon	28700		16-2652	0316-97-3008	Burning Ground	9 of 9	none	---	no
Sodium	33000		16-2650	0316-97-3185	Martin	15 of 18	none	---	no
Strontium	100		16-2652	0316-97-3008	Burning Ground	3 of 3	none	---	no
Sulfate	21000		16-2650	0316-97-3185	Martin	12 of 12	none	---	no
Titanium	74		16-2652	0316-97-3008	Burning Ground	3 of 3	none	---	no

Table D-3.2-18

Springs (HE)

Analyte	Max Filtered Concentration (µg/l)	RFI Qualifier	Location ID	Sample ID	Filtered Media (Spring Water)	Frequency of Filtered Detects	Ecotox Surface Water Threshold	HQ based on threshold	Bio-accumulator?
Amino-2,6-dinitrotoluene[4-]	0.23		16-2652	0316-97-3016	Burning Ground	3 of 12	none	---	no
Amino-4,6-dinitrotoluene[2-]	0.168		16-2652	0316-97-3016	Burning Ground	3 of 9	none	---	no
Dinitrobenzene[1,3-]	ND		ND	ND	All	---	none	---	no
Dinitrotoluene[2,4-]	0.039		16-2652	0316-97-3016	Burning Ground	3 of 12	none	---	no
HMX	1.56		16-2652	0316-97-3016	Burning Ground	4 of 12	none	---	no
Nitrotoluene[3-]	0.111		16-2651	0316-97-3020	SWSC	not known	none	---	no
RDX	21		16-2652	0316-97-3189	Burning Ground	9 of 12	none	---	no
Tetryl	ND		ND	ND	All	---	none	---	no
Trinitrobenzene[1,3,5-]	0.14		16-2651	0316-97-3020	SWSC	3 of 12	none	---	no
Trinitrotoluene[2,4,6-]	ND		ND	ND	All	---	none	---	no

Table D-3.2-19

Springs (Organics)

Analyte	Max Filtered Concentration (µg/l)	RFI Qualifier	Location ID	Sample ID	Filtered Media (Spring Water)	Frequency of Filtered Detects	Ecotox Surface Water Threshold	HQ based on threshold .	Bio-accumulator?
Acetone	ND		ND	ND	all	n/a	none	---	no
Bromomethane	ND		ND	ND	all	n/a	none	---	no
Chloromethane	ND		ND	ND	all	n/a	none	---	no
Dichloroethane[1,2-]	ND		ND	ND	all	n/a	none	---	no
Di-n-butylphthalate	ND		ND	ND	all	n/a	none	---	no
Tetrachloroethene	ND		ND	ND	all	n/a	none	---	no
Trichloroethene	ND		ND	ND	all	n/a	none	---	no

APPENDIX E. COMPARISON OF DTech IMMUNOASSAY/COLORIMETRIC METHODS FOR RDX AND TNT FIELD SCREENING WITH LABORATORY RESULTS

E-1.0 SUMMARY

Extensive use was made of DTech immunoassay kits for HE screening during Phase II of the RFI investigation of PRS 16-021(c). These kits have also been used at other sites within TA-16. The purposes of this appendix are (1) to summarize TA-16 experience with these kits and (2) to evaluate their potential and performance as a field screening method for both biasing the selection of samples for laboratory analysis and for determining the extent of contamination, usually with some confirmation sampling.

The following conclusions are documented in this review:

- A high percentage (about 50%) of false positive DTech results (that is, positive field screening results that are not confirmed by laboratory analysis) are observed, especially, but not only, in soil samples.
- A much smaller number of false negatives have been observed. The corresponding laboratory results, although positive, are not large (generally less than 4 mg/kg).
- When both the DTech and laboratory results are positive, DTech quantitation for RDX agrees with the laboratory result within a factor of 3 about 80% of the time. The comparable figure for the TNT kit is about 70%.
- The persistent negative bias suggested by 1997 field QA results is not confirmed by laboratory splits of routine samples.

In TA-16 investigations, field screening for HE has been used most often to make a preliminary determination of the extent of contamination. Confirmatory laboratory samples are then collected at what appear, based on the field screening results, to be the lateral or vertical boundaries of contamination. In this context, false positives are not of great concern; they result in an unnecessarily conservative picture of the extent of contamination, but not in missed contamination. False negatives are more problematic because they may result in failure to bound contamination either laterally or vertically. However, TA-16 experience indicates that only low levels of RDX and TNT contamination (less than 4 mg/kg) are missed by relying on the DTech field screening kits.

When used without diluting the sample extract, the range of the RDX DTech kit is 0.5–6 mg/kg, while that of the TNT DTech kit is 0.5–5 mg/kg. With dilution, quantitative results could be obtained above this range. In general, this has not been attempted in TA-16 investigations where these kits have been used primarily to determine the presence of RDX or TNT above 3–4 mg/kg. This study shows that results in this range are only semi-quantitative, but, when HE is present at these levels, the DTech kits generally give a positive result.

E-2.0 THE DTech IMMUNOASSAY METHOD

Field analytical methods, including the DTech immunoassay methods used in TA-16 investigations, are described and compared by Crockett et al. (1996, 55840). EPA SW-846 methods are available to guide the use of the DTech test kits (EPA 1997, 57589).

The DTech method requires the extraction of about 5 mg of soil by shaking in 6.5 ml of acetone. The sample is allowed to settle for several minutes. Then the extract is filtered and added to a vial containing HE-specific antibodies in powder form. During this step, the antibodies capture HE molecules in the soil extract. The antibodies are linked to solid particles, which are collected on a membrane of a cup assembly. The final step is the addition of a color-developing solution that reacts with the unbound antibodies. The developed color is interpreted by means of a handheld reflectometer to determine the amount of HE present.

The method is subject to cross-reactivity with HEs other than the primary target analytes (RDX and TNT, respectively, for the two test kits used). The only significant cross-reactivity of the RDX test is that for HMX, which is estimated at about 3%. HMX is frequently present at the sites under investigation at TA-16, and is found at high concentrations at the TA-16-260 outfall. The TNT kit reacts to tetryl (35%), TNB (23%), 2-amino-DNT (11%) and 2,4-DNT (4%). All of these, except tetryl, are common at the TA-16-260 outfall, but not at the high concentrations that are observed for HMX.

It is also known that humic matrix interference can result in less color development, which contributes to a high bias in the field screening results as compared to laboratory results. This effect has been observed frequently in the TA-16 investigations, where the false positive rate is higher in soil samples than in tuff samples.

E-3.0 TA-16 DATA

The data set contains 205 laboratory/screening sample pairs: 164 soil samples and 41 tuff samples. Fifty-four of the sample pairs, including all the tuff samples, were collected during the Phase II investigation of PRS 16-021(c). The remainder were collected during investigations and remediations in the World War II areas of TA-16. DTech and laboratory results for RDX are available for about 95% of these pairs. Paired TNT results are available for about 85%.

E-3.1 RDX

Laboratory and screening results for RDX are compared in Table E-3.1-1 for several subsets of the data: (a) all 192 samples for which both results are available; (b) 51 pairs from the Phase II investigation of PRS 16-021(c); and (c) 38 pairs from tuff.

Because the screening results were used to bound contamination during the Phase II investigation of PRS 16-021(c), and because of a limited number of confirmatory samples, any low bias or any false negatives in the screening result would be of particular interest. Above-DLs of RDX were reported for 12 of the 101 laboratory samples for which the DTech RDX result was negative. However, half of these laboratory results were below the DL of the DTech RDX method (0.5 mg/kg), so an estimate of the false negative rate for the screening method is about 6%. For tuff samples, however, the false negative rate rises to 4 out of 19 samples with nondetect screening results, or about 21%. Although false negative

rates up to 21% are high, the corresponding laboratory results do not exceed 3.51 mg/kg in tuff from PRS 16-021(c). (One result from another site was larger: 5.84 mg/kg.)

Table E-3.1-1

Comparison of Laboratory and Field Immunoassay RDX Measurements

	Laboratory RDX	DTech RDX			
		ND	0.5–3	3–6	> 6
All data	ND	44[a]	31	10	0
	ND (hi)[b]	45	11	2	0
	<0.5	6	5	0	0
	0.5–3	4	9	5	1
	3–6	2	4	1	1
	>6	0	2	4	5
Soil	ND	38	27	8	0
	ND (hi)	37	9	2	0
	<0.5	5	5	0	0
	0.5–3	1	6	3	1
	3–6	1	2	1	1
	>6	0	1	2	4
Tuff	ND	6	4	2	0
	ND (hi)	8	2	0	0
	<0.5	1	0	0	0
	0.5–3	3	3	2	0
	3–6	1	2	0	0
	>6	0	1	2	1
260 line	ND	10	4	3	0
	ND (hi)	13	2	2	0
	<0.5	2	0	0	0
	0.5–3	3	3	2	0
	3–6	1	2	0	0
	>6	0	1	2	1

[a] Shaded boxes represent agreement between the DTech and laboratory results, up to the level of quantification represented by this table.

[b] ND (hi) means that the laboratory result was a nondetect with a DL above the reported DTech result or DTech DL. The boxes in these rows are shaded because the laboratory result is consistent with the Dtech result.

False positives are a great deal more common than false negatives: 54 out of 143 of the pairs for which the laboratory result was a nondetect came from screening samples for which the field screening result was positive. For 13 of these 54 pairs, the laboratory DL exceeded the reported DTech result; however,

the false positive rate is estimated as 41/143 or about 29%. (The contract-required quantitation limit for RDX is 1 mg/kg, higher than the DTech DL, but for many samples the DL is reported in the range of 0.1–0.5 mg/kg. In HMX-contaminated samples requiring dilution, it is sometimes reported at a much higher level.)

HMX was detected in only one of these 41 false positive samples, at 9.2 mg/kg, so cross-reactivity with HMX does not appear to be a significant contributor to the false positive rate. The false positive rate is also virtually the same for soil and for tuff samples (35 out of 121 and 6 out of 22 samples, respectively).

Where both results are positive, about 80% of the laboratory and field screening results agree within a factor of 3 (in Figure E-3.1-1, positive DTech results that were above the normal detection range but were not repeated with dilution are shown by triangles). The ratio of the laboratory result to the DTech result ranged up to 32 in the whole data set, but this ratio does not exceed 4 in the sample pairs from PRS 16-021(c).

The bias does not seem to be large. The median ratio of DTech to laboratory results for the sample pairs included in Figure E-3.1-1 is about 0.9. This is considerably closer to 1 than would be suggested by the results of QA checks carried out during the 1997 field season, which are shown in Figure E-3.1-2. The nominal concentration in the PE samples used for these checks was 4.8 mg/kg, but the check results are consistently below this and frequently less than half of this value.

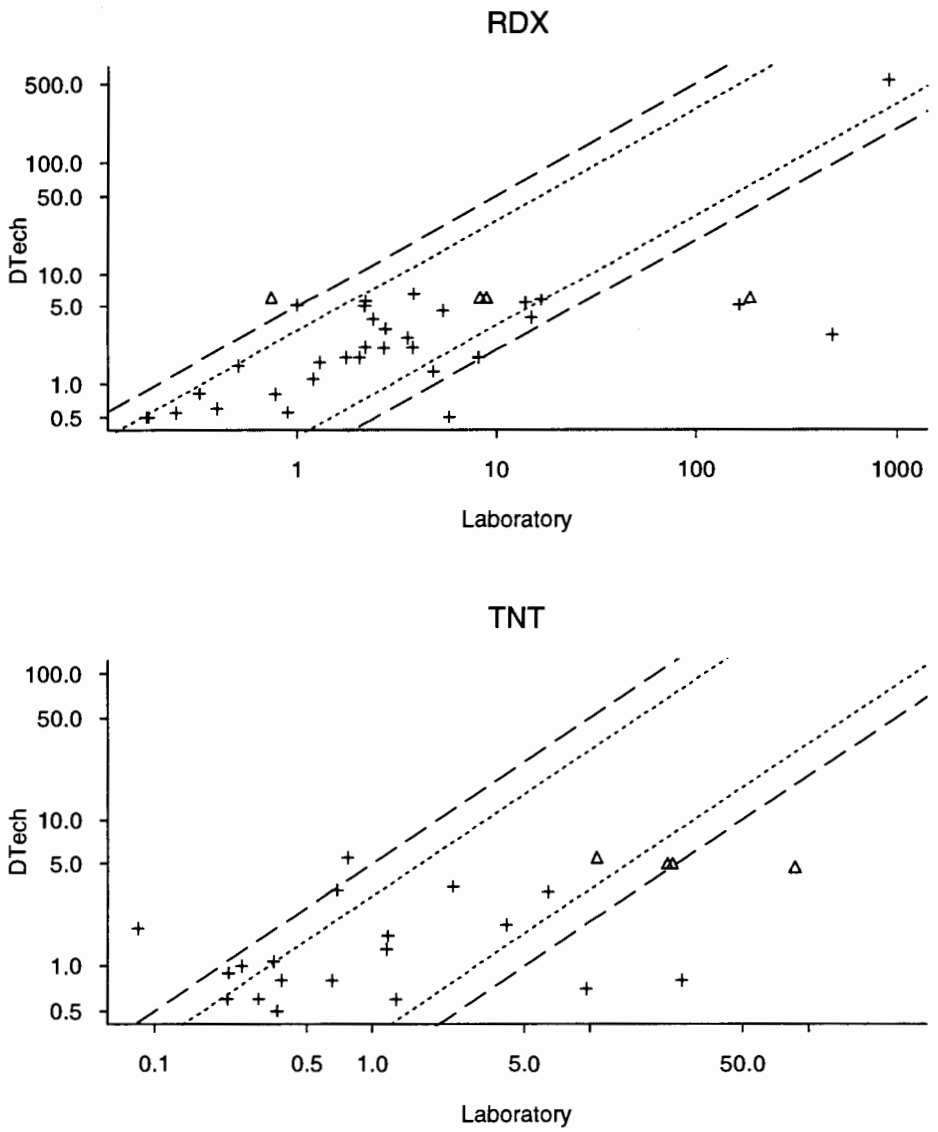
E-3.2 TNT

Laboratory and screening results for TNT are compared in Table E-3.2-1 for several subsets of the data: (a) all 177 samples for which both results are available; (b) 36 pairs from the Phase II investigation of PRS 16-021(c); and (c) 23 pairs from tuff.

Above-DLs of TNT were reported for 19 of the 91 laboratory samples for which the DTech TNT result was negative. However, all but one of these laboratory results were below the DL of the DTech TNT method (0.5 mg/kg), so an estimate of the false negative rate for the screening method is about 1%.

As for the RDX DTech kit, false positives are a great deal more common than false negatives. Sixty-one out of 143, or about 43%, of the laboratory results corresponding to positive field screening results were nondetects with a DL lower than the field screening result. For TNT, unlike RDX, the false negative rate drops to 3/18 (less than 20%) for tuff samples, so the very high false negative rate might be partially ascribed to the effect of humic acids in soil samples. There is no evidence of cross-reactivity in these false positives, as the associated nitroaromatics were detected in only one of these 61 samples (TNB at less than 0.5 mg/kg).

The false negative rate at the 260 Line was 0, and detected results were greater than or equal to the corresponding laboratory results there. Overall, when both results are positive, only about 65% agree within a factor of 3 (Figure E-3.1-1). The bias of the DTech kit suggested by the samples shown in Figure E-3.1-1 is, if anything, high (there are more points outside the lines of the TNT plot on the high side than on the low side), contrary to the conclusions that would be drawn from the QA checks, which averaged about half the true value of the PE sample (Figure E-3.1-2). However, there is, again, no evidence that cross-reactivity with the other nitroaromatics contributes significantly to such a positive bias.



+ DTech result (mg/kg)
Δ DTech lower bound (mg/kg)

------- DTech within a factor of 3
— — DTech within a factor of 5

Figure E-3.1-1. Comparison of DTech screening results with laboratory results for sample pairs for which both results are positive

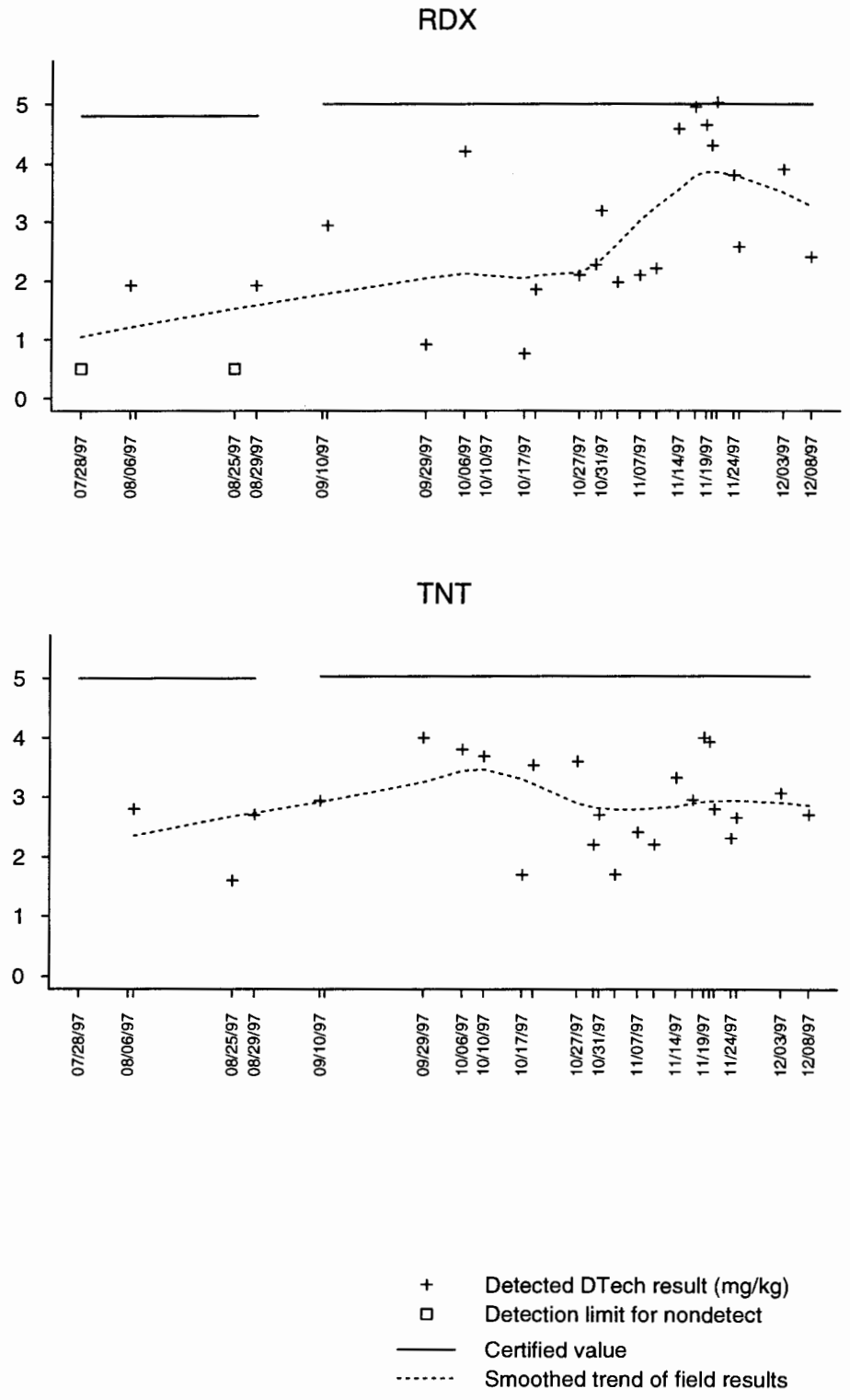


Figure E-3.1-2. Results of QA checks for the DTech kits, 1997

Table E-3.2-1

Comparison of Laboratory and Field Immunoassay TNT Measurements

	Laboratory TNT	DTech TNT			
		ND	0.5–3	3–6	> 6
All data	ND	79[a]	61	0	0
	ND (hi)[b]	1	0	1	1
	<0.5	10	8	0	0
	0.5-3	1	4	3	0
	3-6	0	1	0	0
	>6	0	2	1	4
Soil	ND	65	58	0	0
	ND (hi)	0	0	1	1
	<0.5	9	5	0	0
	0.5-3	1	4	3	0
	3-6	0	2	1	4
	>6	0	1	2	4
Tuff	ND	14	3	0	0
	ND (hi)	1	0	0	0
	<0.5	1	3	0	0
	0.5-3	0	0	0	0
	3-6	0	1	0	0
	>6	0	0	0	0
260 Line	ND	21	4	0	0
	ND (hi)	1	0-	1	1
	<0.5	4	3	0	0
	0.5-3	0	0	0	0
	3-6	0	1	0	0
	>6	0	0	0	0

[a] Shaded boxes represent agreement between the DTech and laboratory results, up to the level of quantification represented by this table.

[b] ND (hi) means that the laboratory result was a nondetect with a DL above the reported DTech result. The boxes in these rows are shaded because the laboratory result is consistent with the DTech result.

E-4.0 CONCLUSIONS

Although this study points to some limitations of the DTech kits (high false positive rates, moderate false negative rates, low precision), it does suggest that a more accurate method would not have changed many decisions that were based on DTech results, either at the TA-16-260 outfall or at the World War II sites.

At the World War II sites (V-Site and the 90's Line), excavation decisions were made in the field on the basis of DTech results. A risk-based cleanup level of 17 mg/kg was used for RDX, and because of the lack of precision of the field kits, a decision level of half the cleanup level was used. In practice, results above the quantitation limits for the kits (5 or 6 mg/kg) led to further excavation. Based on the data presented in this appendix, a decision to end excavation based on DTech results within or below the DTech quantitation range can reliably be expected to be validated by a confirmation sample.

At the TA-16-260 outfall, the main uses of the DTech screening results were (1) to determine the total depth of a borehole (beyond a nominal depth) and (2) to determine the length of the Phase II transects.

- In drilling, 3 clean screening samples (corresponding to about 15 feet of core) were required before drilling could be terminated. The results in this section show that total borehole depths would have changed little—if at all—if this criterion had been replaced with an equivalent reliance on laboratory results (which would have been highly impractical.) This is because false negative results are fairly rare. The deepest confirmation samples from BHs 16-2709 or 16-2710 were not clean, but each of these holes did have additional clean screening samples below the depths of the confirmation samples (which were most often selected as the uppermost of the required 3 clean screening samples.) HE was reported in the samples from the bottom of 16-2707 by both field screening and the analytical laboratory; this hole (the first to be drilled) was completed at 70 ft because this was the planned maximum depth in the original SAP.

- Along the 200- and 600-ft transects, laboratory samples were selected at the first clean screening location in each direction and at each depth, a total of four surface samples and two subsurface samples. Three of the four surface samples were reported by the laboratory to contain some HE, although only one contained either of the primary DTech target analytes (RDX at 0.456 mg/kg, below the DL of the field kit.) In another sample, HMX at 50 mg/kg was not sufficiently cross-reactive to generate a positive result using the DTech kit.

Some of the differences between laboratory and field screening results could be due to heterogeneity in a given sample. Crockett et al. (1996, 55840) emphasize the heterogeneity that is commonly found in HE-contaminated soils. Within 11 collocated pairs of samples collected at TA-16, generally within a foot of one another, the relative standard deviations are generally less than 5% but have been observed up to 20%. Based on this small data set, it does not appear that heterogeneity plays a big part in the lack of precision of the DTech results, where the differences between laboratory and DTech results are commonly much greater than 20%.

APPENDIX F. BARIUM SPECIATION IN CAÑON DE VALLE

F-1.0 Introduction

Understanding mineralogic speciation of barium in soils is important for four reasons. First, remediation of barium contamination in water can require an understanding of the thermodynamics of phases that immobilize barium. Second, barium speciation determines bioaccessibility. It is important that it be known how barium speciates mineralogically in Cañon de Valle water, as some minerals are insoluble in certain stream conditions (and thus immobilize Ba^{2+}) while more soluble species are an ecological hazard (because their dissolution re-introduces Ba^{2+} into surface water). Third, barium speciation influences barium abundances in surface and groundwaters. Should a high volume of soluble barium species be introduced to alluvial water, barium levels in that water would increase. And fourth, because certain mineral species are stable under specific conditions, speciation trends can be used to interpolate geochemical history and predict future conditions.

F-2.0 Methods

Thirteen sediment and soil samples were collected between 1992 and 1997 and were used in the initial phases of this study. Four additional locations were sampled on October 31, 1997. Sampling locations are shown in Figure F-2.0-1. Polished thin sections were cut from these samples and then carbon coated. An SEM was then used to manually count the number of barium minerals in each sample. On the SEM, a mineral's brightness is a function of the average atomic number of the elements in the compound. The higher the average atomic number, the brighter the mineral appears to the operator. The average atomic number of barium compounds is higher than that of other materials commonly found in Cañon de Valle sediment (quartz, feldspar, etc.). To easily identify barium minerals, the SEM's gain function was decreased to such a point that only barium minerals (and ferro-titanium minerals) were visible. These minerals stood out against the darker background. Each of these grains was then individually analyzed for its chemical constituents and totals were recorded. Each thin section was scanned in full from top to bottom and from left to right, so results reported below represent a complete record of mineral counts for each sample.

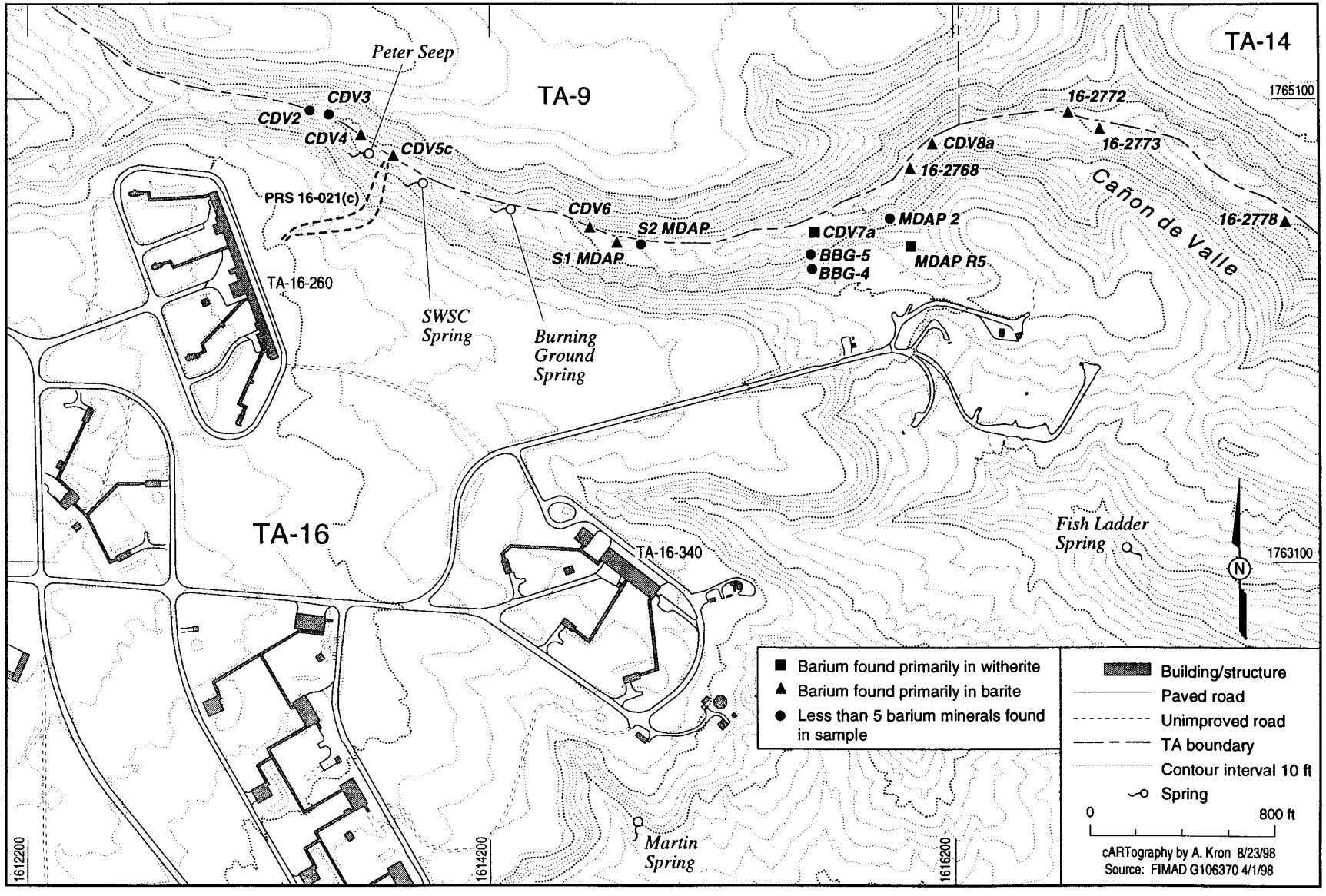


Figure F-2.0-1. Barium speciation study sample locations

F-3.0 RESULTS AND DISCUSSION

Two barium minerals, witherite ($BaCO_3$) and barite ($BaSO_4$), are found in TA-16 sediments (Table F-3.0-1). Although these were the only two discrete barium minerals noted, diffuse barium on organic particles, possibly sorbed, was also observed. All samples collected from Cañon de Valle stream sediment contain primarily barite, while two samples collected from the south stream bank (associated with the Burning Ground and MDA-P) contain primarily witherite (Figure F-2.0-1). Six samples contain less than five barium minerals. Three of these (CDV 2, CDV 3 and CDV 4) were collected from Cañon de Valle above its confluence with the PRS 16-021(c) outfall. Because each contains less than five barium-bearing mineral grains, a total of <5 barium minerals was chosen as the 'background' level for naturally occurring barium (the local tuff contains small amounts of primary vapor-phase barite (Stimac et al. 1995, 59362)).

Table F-3.0-1
Barium Mineral Counts by Sample

Sample Number	Total XRF Ba	Barite Count	Witherite Count
CDV 2	542 ppm	4	0
CDV 3	668 ppm	0	0
CDV 4	1029 ppm	3	0
CDV 5c	1019 ppm	9	0
CDV 6	3823 ppm	25	0
CDV 7a	2300 ppm	4	56
CDV 8a	2294 ppm	13	1
CDV 97-2768	N/A[a]	14	0
CDV 97-2772	N/A	6	0
CDV 97-2773	N/A	23	0
CDV 97-2778	N/A	5	0
MDAP R5	N/A	0	58
S2 MDAP	N/A	0	0
S1 MDAP	N/A	22	0
BBG-4	6253 ppm	3	0
BBG-5	2823 ppm	1	0

[a] N/A = Not available.

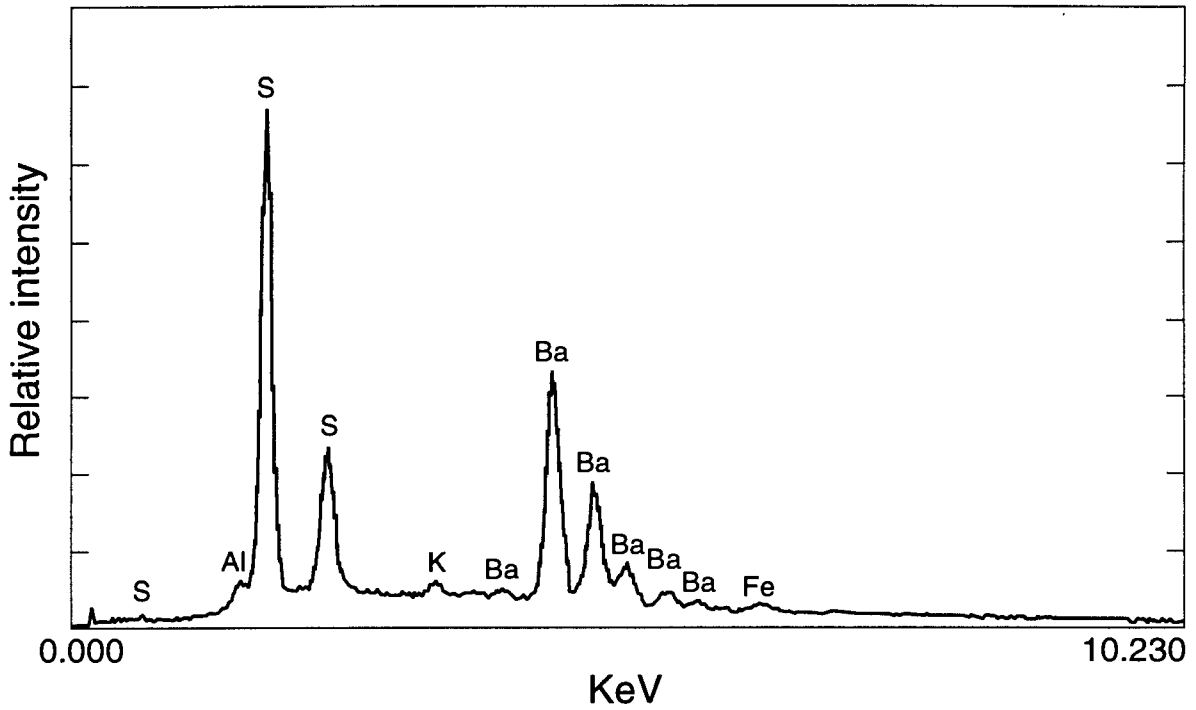
The Electron Microprobe (EMP)

Barite is readily identified using SEM analysis (peaks for both sulfur and barium are in the EDS spectrum) (see Figure F-3.0-1). However, it is necessary to confirm the presence of witherite using an electron microprobe (EMP). The SEM cannot detect nitrogen, carbon or oxygen. An EMP can detect these light elements. One of the primary high explosives formerly used at TA-16, Baratol, is composed of a mixture of $BaNO_3$ and TNT. Thus, it is necessary to determine whether an EDS spectra containing only a barium peak (Figure F-3.0-1) represents barium carbonate (witherite), barium nitrate (Baratol), barium oxide, or barium hydroxide.

The EMP spectra in Figure F-3.0-2 shows that the material with a single barium EDS peak is $BaCO_3$. Six discrete grains, of varying morphology and size, were examined. A diamond standard was used to calibrate the EMP. Quartz grains were analyzed to determine the influence of thin section carbon coating on the intensity of the carbon peak in an analysis. Oxygen was used as a basis for comparison because it is an element common to both quartz and witherite. First, the amount of oxygen (by atomic weight) in both the SiO_2 and $BaCO_3$ molecules was determined. Then the height of the O peaks in the WDS scan for each mineral was adjusted according to the same ratio. This provided the proper baseline from which to compare the height of the C peaks (Figure F-3.0-2). The carbon peak in the witherite analysis is largely representative of carbon from $BaCO_3$. Only a small degree of the total carbon detected is due to the coating. Also, no nitrogen is found, ensuring that the compound is not barium nitrate.

Grain Morphology

Grain morphology suggests which geochemical processes take place in an aqueous environment. A range of morphologies is seen in these sediments. Barite morphology includes organics and sediment encased in a thin $BaSO_4$ veneer (see Figure F-3.0-3). This indicates that Cañon de Valle water is oversaturated with $BaSO_4$ and the precipitate is sorbed on the surface of sediment. This sediment itself includes some tuff fragments containing primary barite. Large composite particles made up of both organic and tuffaceous material are seen both: (1) containing primary barite and (2) coated partially in adsorbed secondary barite. Primary vapor-phase barite grains also widely display dissolution textures such as pitting (see Figure F-3.0-3), possibly due to temporary changes in pH or other variables. These pits suggest that conditions at one time encouraged barite dissolution and re-introduction of previously immobilized Ba^{2+} into the alluvial water.



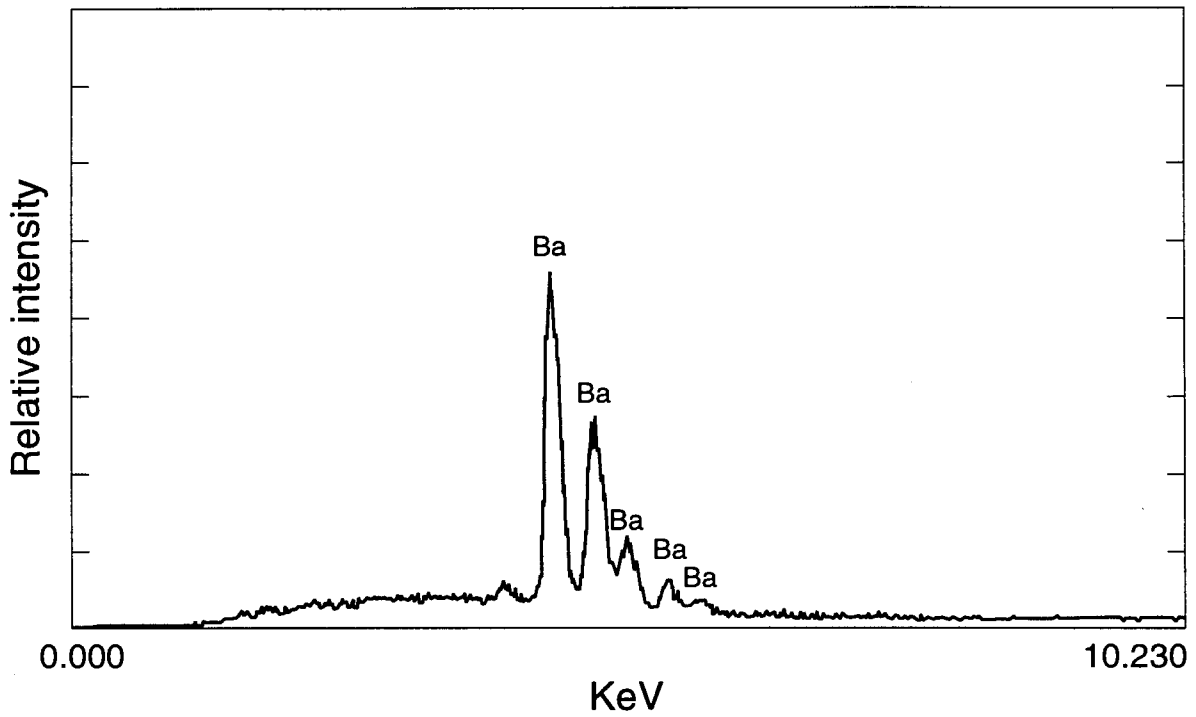


Figure F-3.0-1. EDS spectra for barite (top, with background) and witherite (bottom, no background)

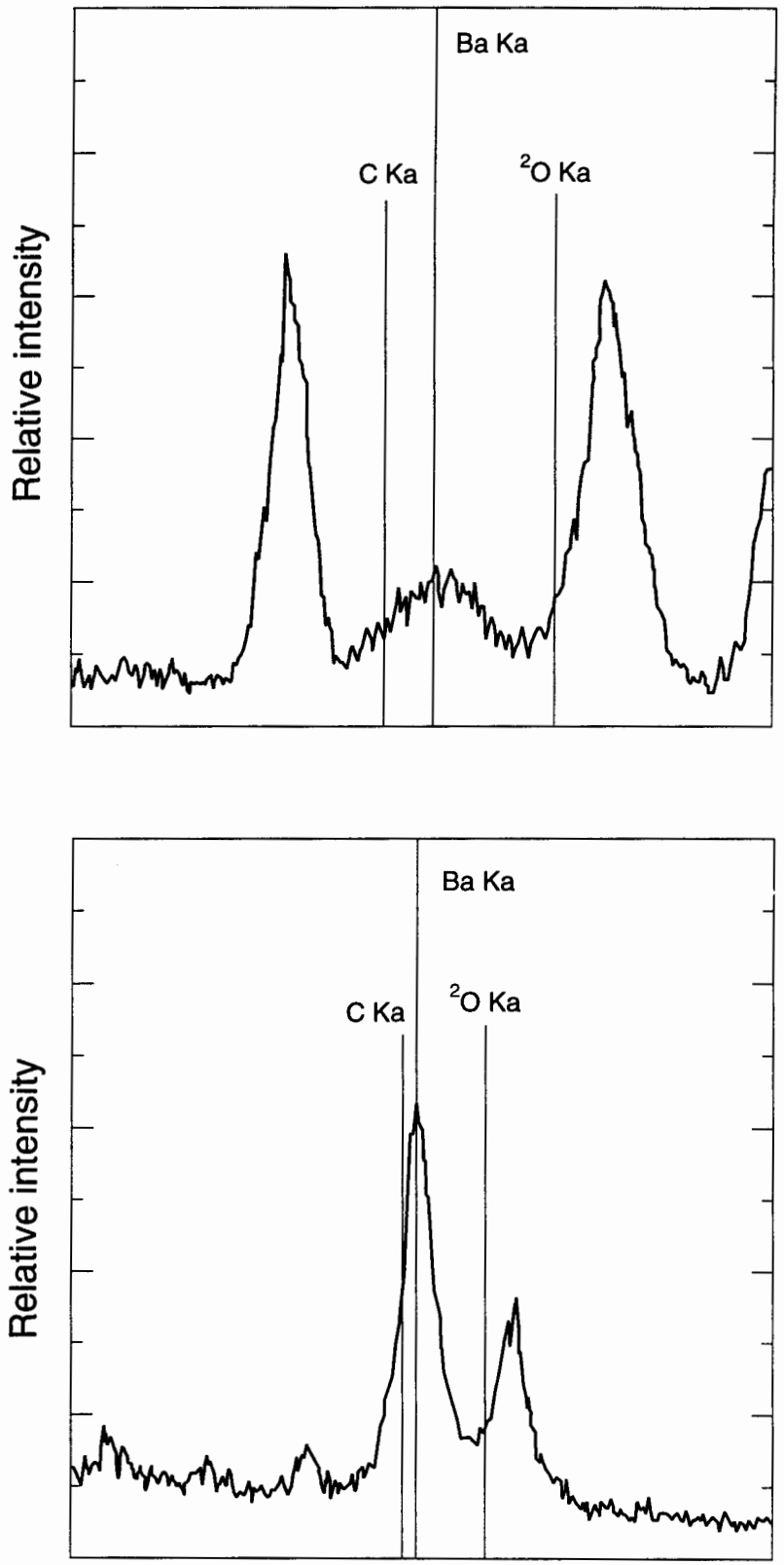


Figure F-3.0-2. EMP spectra for carbon-coated quartz (top) and witherite (bottom)

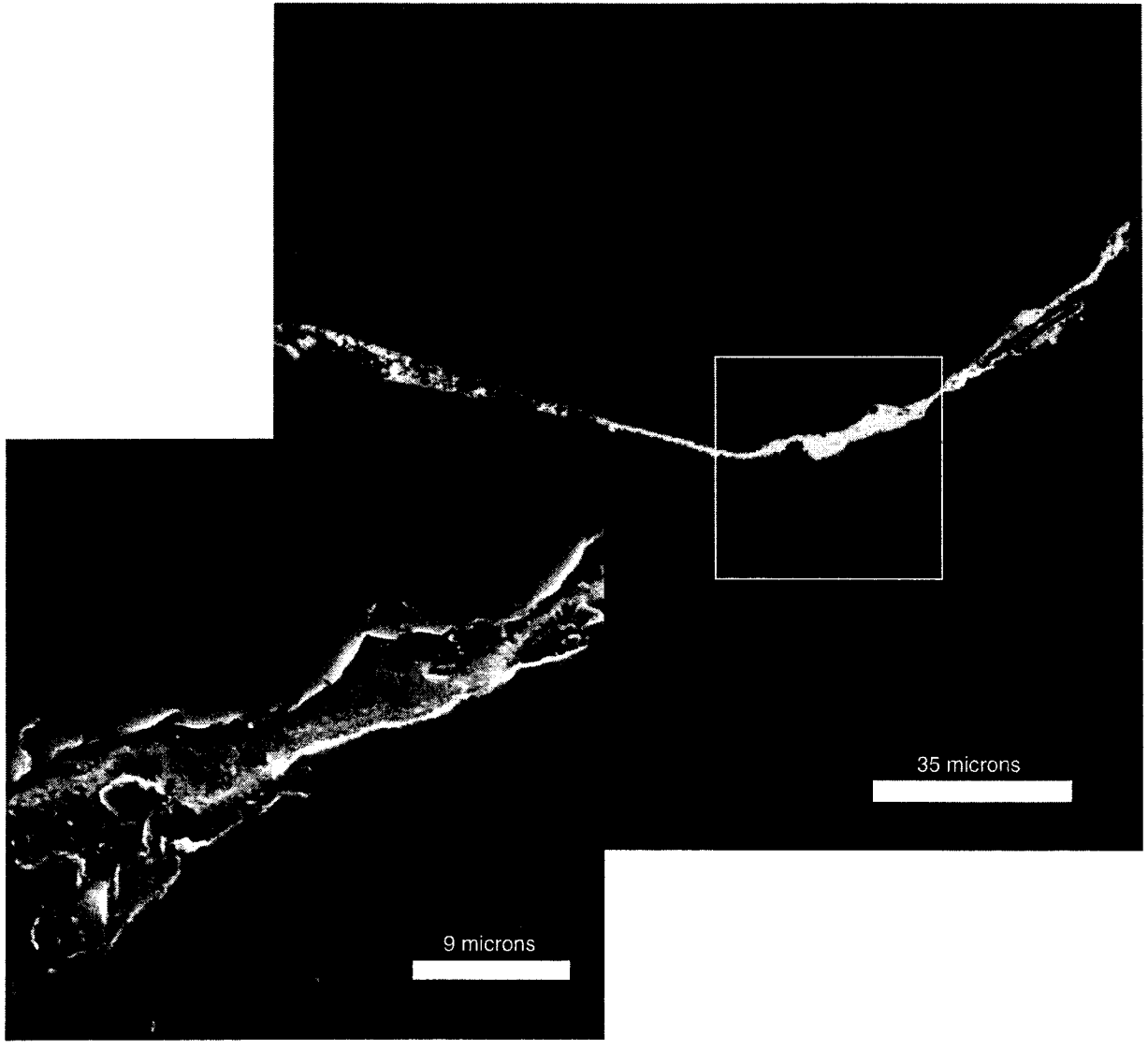


Figure F-3.0-3. **Scanning electron micrographs of $BaSO_4$ on rim of quartz grain (right, secondary electron image; left, back-scattered electron image); image at left is a blowup of area outlined in white box above**

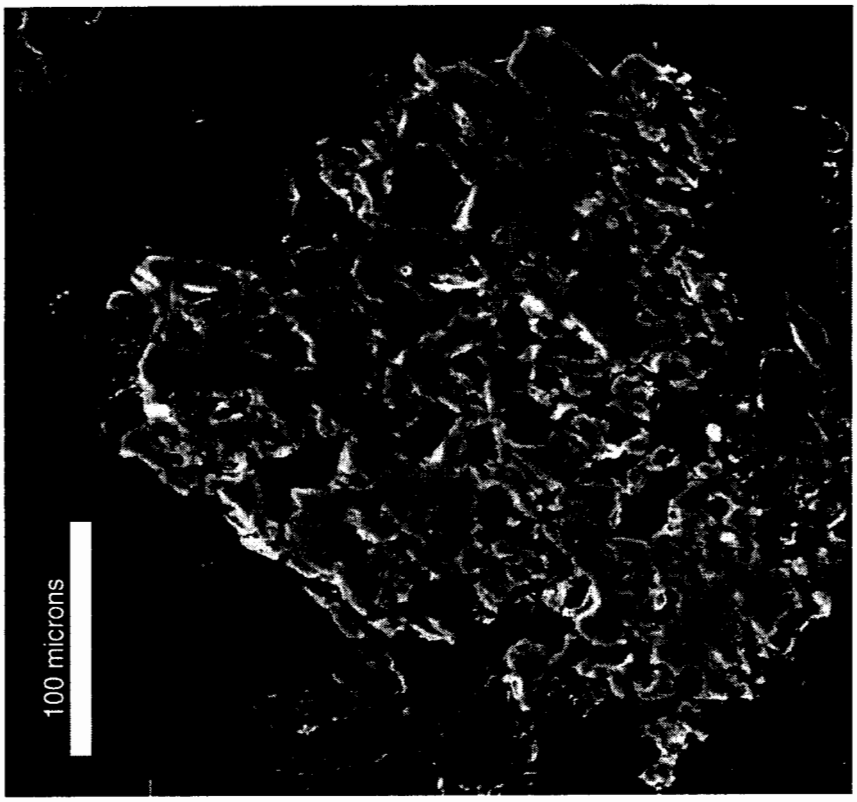
Witherite textures include huge (several hundred microns across) organic/sedimentary conglomerates which appear to have at one time incorporated witherite into their framework. However, much of it has been lost to dissolution (Figure F-3.0-4). Almost all witherite observed appears to have undergone a high degree of dissolution, suggesting that witherite is not a stable compound in the Cañon de Valle environment.

Grain Size

A wide range of grain sizes was observed for both barite and witherite. Barite grain sizes range from the occasional organic material/mineral grain conglomerate coated with sorbed $BaSO_4$ (100's of microns) to more common unigranular morphology (2 to 8 microns). Witherite grains are consistently larger, most greater than 10 microns in diameter. Grain sizes of witherite found in representative sample MDAP R5 are listed below in Table F-3.0-2. The X Dimension is the diameter at the widest point, the Y dimension its perpendicular. 86% of grains are greater than 10 microns in the X dimension and the 14 grains have a mean X dimension of 28.07 microns. 36% are greater than 10 microns in the Y dimension and the mean Y dimension value for all grains is 9.36 microns.

Table F-3.0-2
Witherite Grain Sizes in Sample MDA P R5

Grain Number	X Dimension (microns)	Y Dimension (microns)
1	7	4
2	35	18
3	20	8
4	40	5
5	8	4
6	55	18
7	35	10
8	20	5
9	70	10
10	10	5
11	15	8
12	15	8
13	45	20
14	18	8
Mean	28.07	9.36



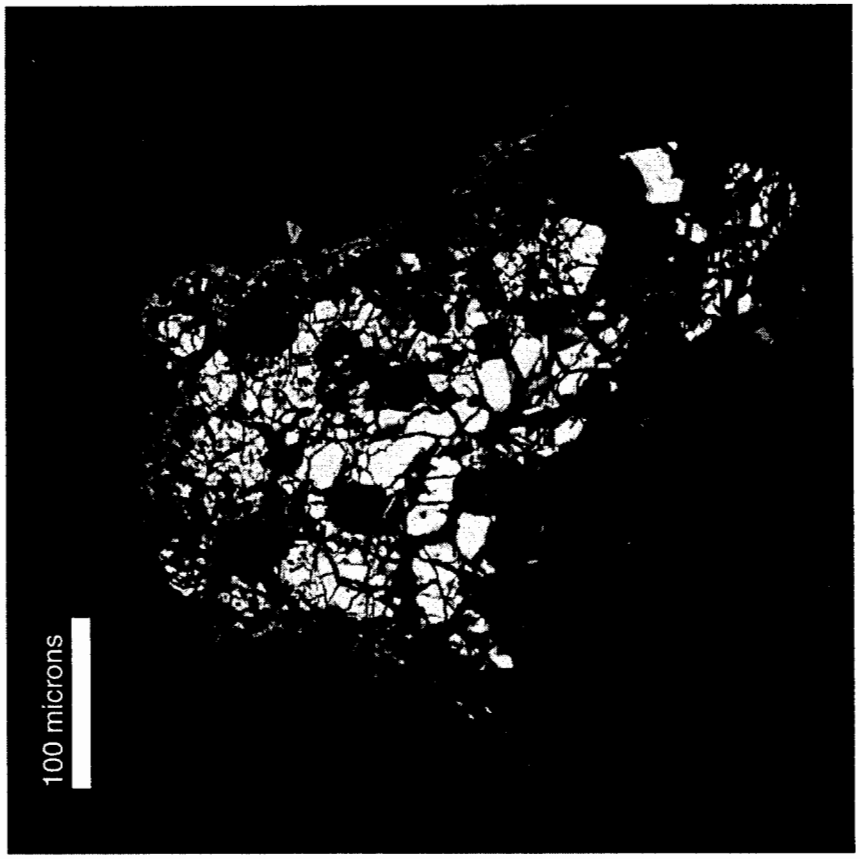


Figure F-3.0-4. Witherite scanning electron micrographs (back-scattered electron image on left, secondary electron image on right) showing dissolution textures

F-3.1 PHREEQC Calculations

The PHREEQC (A Computer Program for Speciation, Reaction-Path, Advective-Transport, and Inverse Geochemical Equations) Version 1.6 program (Parkhurst 1995, 54555) was used to calculate chemical speciation and saturation-indexes for Ba in Cañon de Valle alluvial water. Water samples from locations CDV 16-2768, CDV 16-2772, CDV 16-2773, and CDV 16-2778 were collected on October 31, 1997 and were speciated using this program. The saturation index for barite ranges from 1.19 to 1.35, indicating that continuing barite precipitation is chemically favorable. (A positive saturation index indicates that precipitation is chemically favorable, a negative saturation index indicates that dissolution is expected, and an SI of zero indicates equilibrium). Witherite saturation indices range from -1.65 to -2.05, indicating that witherite precipitation is not thermodynamically favored in Cañon de Valle surface water and that dissolution is more likely. Tables F-3.1-1 and F-3.1-2 below display results from PHREEQC runs using lab analyses of water from Cañon de Valle and the three nearby springs.

Table F-3.1-1

Barium Speciation in Cañon de Valle Alluvial Aquifer Waters

Location / Sampling Date	Ba+2 (molality)	BaSo4 (molality)	BaHCO3+ (molality)	BaCO3 (molality)	BaOH+ (molality)	Barite BaSO4 (SI)	Witherite BaCO3 (SI)
2768 10/31/97	1.828E-05	4.389E-07	1.316E-07	1.323E-08	2.677E-11	1.19	-1.83
2772 10/31/97	1.885E-05	4.532E-07	1.382E-07	7.999E-09	1.589E-11	1.20	-2.05
2773 10/31/97	2.743E-05	6.195E-07	2.013E-07	9.466E-09	1.879E-11	1.34	-1.97
2778 10/31/97	2.898E-05	6.379E-07	2.203E-07	1.974E-08	3.784E-11	1.35	-1.65

Table F-3.1-2

Barium Speciation in TA-16 Spring Waters

Spring/Sampling Date	Ba+ (molality)	BaSO4 (molality)	BaHCO3+ (molality)	BaCO3 (molality)	BaOH+ (molality)	Barite BaSO4 (SI)	Witherite BaCO3 (SI)
Martin 12/20/96	1.163E-06	6.437E-08	1.082E-08	2.406E-10	3.681E-13	0.35	-3.57
Martin 4/1/97	9.705E-07	4.385E-08	5.120E-09	1.379E-10	3.775E-13	0.19	-3.81
SWSC 12/20/96	1.898E-06	5.485E-08	1.297E-08	3.057E-10	6.517E-13	0.29	-3.46
SWSC 4/1/97	1.972E-06	5.875E-08	7.853E-09	4.254E-10	1.565E-12	0.31	-3.32
BurningGround 12/20/96	1.896E-06	5.659E-08	1.311E-08	3.799E-10	8.001E-13	0.30	-3.37
BurningGround 4/1/97	1.621E-06	4.778E-08	6.110E-09	2.629E-10	1.022E-12	0.23	-3.53

Additionally, three equilibrium runs for location 16-2768 were performed, one with respect to barite, a second with respect to witherite, and a third with respect to the coexistence of the two minerals. For each run, the SI of the appropriate barium mineral or minerals was set to zero and PHREEQC calculated the conditions necessary for this to be achieved. Two variables proved to be most important: (1) pH and (2) bicarbonate molality. As seen in Table F-3.1-3, for witherite alone to precipitate out of Cañon de Valle surface water, PHREEQC models the pH values as having to be as high as 8.6 and a sharp increase in both $BaHCO_3^+$ and HCO_3^- molality is necessary. For the coincident precipitation of barite and witherite to occur the pH must be nearly 8.8 and again total bicarbonate concentration must increase. The actual pH

value measured in the field on October 31, 1997 at location 16-2778 was 7.66, and a value measured in 1996 at the same location was 6.8. Other pH values collected from locations 16-2768, 16-2772 and 16-2773 during these two sampling runs are no higher than 8.1. Bicarbonate concentrations in steadily flowing Cañon de Valle water (such as those samples collected for this study) also do not reach the thresholds necessary for witherite precipitation.

Modeling Conclusions

This modeling work indicates that witherite precipitation in Cañon de Valle alluvial water is not thermodynamically favored, accounting for the (nearly) complete lack of witherite in sediment samples collected from the stream bed. Thus, precipitation of the witherite found in relatively low quantities in stream sediment must occur elsewhere, such as the overflow bank, with the resulting $BaCO_3$ appearing in the stream sediments following erosion and transportation.

Table F-3.1-3

Equilibrium Runs Identifying the Conditions Necessary for Mineral Precipitation

Description of Run	pH	$BaHCO_3^+$ (molality)	$BaCO_3$ (molality)	HCO_3^- (molality)	CO_3^{-2} (molality)
Pre-Equilibrium	7.71	1.316E-07	1.323E-08	1.513E-03	2.993E-06
Equilibrium w/respect to witherite	8.608	1.125E-06	8.914E-07	1.675E-03	2.644E-05
Equilibrium w/respect to barite	7.698	1.074E-08	1.051E-09	1.511E-03	2.904E-06
Equilibrium w/respect to both witherite and barite	8.767	7.786E-07	8.915E-07	1.692E-03	3.834E-05

The only two witherite-rich samples in this study (CDV 7a and MDAP R5) came from the banks of the Cañon de Valle stream. A likely explanation for the presence of partially-dissolved witherite outside the stream bed stems from the fact that evaporation of Cañon de Valle alluvial water facilitates witherite precipitation. Simple dewatering of overbank pools in dry summer conditions could cause increasing pH and bicarbonate concentrations. We would expect to find witherite along the margins of the alluvial aquifer where evaporation or transpiration are most evident. If an area containing witherite is resaturated by alluvial aquifer waters, as in snowmelt season, witherite would dissolve, and barium concentrations in water would rise. Thus, witherite may play an important role in controlling the spatial and temporal variation in barium concentrations in Cañon de Valle (see Section 5 of this document).

One hypothesis for the limited barite in the two samples discussed above is that $BaSO_4$ formation in the overbank is limited by the lesser influx of natural sulfate ion than that to which the stream bed sediments are continually exposed. Barite morphology in these samples suggests that they may be primary vapor-phase minerals which have been eroded from the local tuff rather than secondary minerals precipitated from Ba-oversaturated water.

F-4.0 CONCLUSIONS

Barium in Cañon de Valle alluvial water will speciate mineralogically into one of two minerals if oversaturation is reached. Which mineral forms is dependant upon pH and bicarbonate concentration. The conditions of Cañon de Valle alluvial water analyzed for this study favor barite precipitation. As a result, all sediment samples studied here that were collected from the alluvium contain almost exclusively barite. Sediment samples collected from the overbank, however, contain almost exclusively witherite. This is because evaporation of flood water which has pooled outside the path of the Cañon de Valle stream increases pH and bicarbonate concentrations in solution to such a point that witherite precipitation is favored. If evaporation is slow enough, large witherite grains like those seen in Figure F-3.0-4 will result. If a ponded area dries up completely, witherite remains in the sediment, and common erosive transport of this sediment reintroduces the witherite into the alluvial water. Dissolution of the witherite, inevitable in the now more acidic conditions, frees Ba^{2+} and barium levels in Cañon de Valle surface water increase. Barium levels in this water can also be expected to rise during snowmelt season, when the stream overruns its banks and witherite becomes rehydrated. Should barium increase to the point of oversaturation, it will combine with natural sulfate in the alluvial water and precipitate as barite onto sediment and organic particles (Figure F-3.0-3).

APPENDIX G. BOREHOLE LOGS AND WELL COMPLETION DIAGRAMS

G-1.0 Introduction

This appendix provides detailed borehole logs and well completion diagrams for: (1) the boreholes drilled in the TA-16-260 source region (see Section 2); (2) the alluvial wells drilled during the alluvial system investigation (see Section 3); and (3) the intermediate depth boreholes drilled during the hydrogeologic investigation (see Section 4).

The lithology for all the PRS 16-021(c) Phase II boreholes was logged in the field during drilling and sampling activities. A subset of boreholes was logged in greater detail at the Laboratory's Sample Management Facility from archived core. The primary objective of the logging effort was to identify target sampling horizons, such as zones of increased fracturing, moisture content, or clay content, where the concentrations of high explosives are expected to be elevated. An additional objective was to identify zones of increased hydraulic conductivity that might have significant impact on the mobility of fluids in the subsurface. Finally, the borehole logging was to generate significant site-specific geologic information for the formulation of the 260-outfall area conceptual model.

The well completion diagrams are as-built records of each observation well installed during the PRS 16-021(c) Phase II investigation.

G-2.0 Significant Logged Geologic Features

This section discusses the geologic features that were specifically targeted during core observation and logging and the expected significance of these features for the hydrogeologic characteristics of the tuff.

Of specific lithologic interest are zones in the tuff termed surge layers or horizons. The term surge refers to intervals where the tuff was emplaced by pyroclastic surge mechanisms, a highly unsteady and nonuniform depositional regime that results in crystal-rich, fines-poor, layered tuff that characterizes the initial stages (ground surge) or final stages (ash-cloud surge) of pyroclastic flow unit deposition. Surges are also formed within flow units during unsteady periods of tuff emplacement and by the interaction of pyroclastic flows with a substrate topography, such as hills and drainages. Surges are of particular interest for contaminant dispersal because they are generally poor in the glass shards that make up the bulk of the Bandelier Tuff. For this reason, they show crystal concentration and do not weld significantly. As a result, they are relatively permeable, and because of their horizontal bedding, tend to be zones where lateral fluid flow is encouraged. However, surge horizons within the Bandelier Tuff show considerable lateral variability in thickness, generally ranging in thickness from several feet to no more than a fine hairline crack. Surge horizons are frequently nonextant over a lateral distance of several hundred feet.

Besides surge horizons, welding is a textural feature of the Bandelier Tuff that also greatly determines its *in situ* porosity and permeability. With increased welding, pore space decreases from about 40% by volume for non-welded tuff to nearly zero for densely welded tuff. The degree of welding is directly related to the bulk density for tuff samples. Dense welding produces samples with a bulk density in the range of ~2200 to 2400 kg/m^3, moderate welding shows bulk densities in the range of ~2000 to 2200 kg/m^3, and

partial welding cover bulk densities of ~1800 to 2000 kg/m^3. The density of nonwelded and partially welded tuff can be variable because of growth of secondary minerals. While secondary minerals often result from weathering and zeolitization in nonwelded tuff, glass shards and pumice fragments in tuff that has experienced welding by prolonged retention of high emplacement temperatures are often crystallized and devitrified. Where pore space in non- to partly welded tuff permits circulation of high-temperature vapors, the glass is replaced by crystalline phases that generally preserve pore space and permeability. But where tuff is moderately to densely welded, vapor-phase crystallization is limited and the glass components of the tuff devitrify, generally sealing primary permeability.

Finally, cooling fractures (Wohletz 1995, 55404; Wohletz 1996, 58840) are of primary importance in determining hydrological properties of tuff. As the tuff cools after emplacement, it contracts and forms cooling fractures, often termed *joints*. Fractures develop most extensively in densely and moderately welded tuff, tuff that has suffered the greatest cooling contraction. Dominantly vertically oriented, these fractures often provide a great degree of vertical permeability and increased porosity.

Based on these important textural characteristics (surges, welding, and fractures), and with consideration of contaminant measurements in screening samples, some preliminary models of contaminant dispersal can be developed for the TA-16-260 outfall that will help in evaluation of remediation options.

G-3.0 Logging Method

All core was field-logged in accordance with LANL ER-SOP 4.0, General Borehole Logging, and LANL ER-SOP-12.0, Field Logging, Handling, and Documentation of Borehole Samples. The core was measured to the nearest 0.1 ft and photographed. The core description includes the degree of weathering and welding, percentages of lithics, phenocrysts, and pumice, obvious mineralization or alteration features, degree of fracturing, moisture content, and formation color. In addition, the core log includes the run number, depth, HE sreening results, and sample and core run photograph numbers. The core was placed in plastic tubing labeled with borehole site ID and core depth and placed in labeled core boxes. All segments of missing core were marked with a placeholder noting the missing depth and the reason material was missing. The plastic tubing was then sealed and the core boxes were stored on site. Following the drilling activities, the core was released from the HE Corridor by ESA-FM and transported to the SMO for more detailed lithologic logging. Following examination of the core at the SMO, the core was returned to the storage trailer at TA-16, where it remains.

Core from selected boreholes within the TA-16-260 source area, specifically 16-2701, 16-2702, 16-2703, 16-2704, 16-2706, 16-2708/2736, 16-2709, 16-2711, 16-2712, and 16-2735, and from all of the major intermediate depth boreholes (16-2665, 16-2667, 16-2668, and 16-2669), were logged in detail at the Sample Management and Drilling Facility. Logging data is recorded in graphical form that shows quantitative assessment of important mineralogical and textural variations. The logs show core preservation by denoting intervals of intact and disaggregated core as well as core-loss intervals where sample were removed from the core for field screening purposes. Core preservation information is critical in evaluating rock properties because zones where core was not recovered or was disaggregated by drilling often point to specific rock properties that interfere with obtaining core. In addition, screening samples taken in the field were generally spaced at a fairly constant interval, but in many places were taken at depths considered to be zones of potential contaminant concentration (e.g., contact and surge horizons). The additional source area boreholes and the alluvial boreholes were field-logged only.

The lithologic features logged include secondary crystallization [none (glassy), vapor-phase, and devitrification], welding, pumice size, ferromagnesian mineral (FM) abundance, and quartz (QTZ) abundance. In addition, fractures are logged where noted, and alterations (bulk rock and fracture occurrence) are noted. Glassy (non-crystallized) tuffs show pumices and shards that have a vitric luster and few or no microcrystalline structures. Vapor-phase crystallization preserves pumice textures, but the vesicle walls of pumice, instead of being glass, are composed of tiny spherical crystal aggregates with considerable pore space preserved. On the other hand, devitrification is displayed by flattened pumices with little or no pore space and bands or layers of dense crystalline material. Welding is quantifiable both by bulk density and degree of pumice flattening.

While pumice clasts are nearly equant in nonwelded core, partial welding displays pumice clasts with a prominent horizontal (perpendicular to the core) fabric. Partial welding preserves much of the pumice internal vesicular texture but larger pumices may only show flattening ratios (length:width) of 2:1 to 4:1. With increasing partial welding, small pumice clasts (<1 cm) become difficult to see but large ones are easily recognizable. Moderate welding displays pumices as flame-like ribbons with flattening ratios of > 5:1. As welding becomes dense, pumices are flattened to a degree where they are difficult to distinguish from matrix materials and may only be recognizable as thin (<<1 mm) bands of lighter color. Pumice clast sizes are logged as the average of largest pumice clasts observable in core. The size is measured as the maximum dimensions, so that with flattening due to welding, this size tends to stay the same for pumices of similar (prior to welding) sizes. Pumice abundance is difficult to record in core samples of welded tuff since pumices are generally obscured. For this reason, an attempt to log pumice abundance was not made. Likewise, the Bandelier Tuff in these cores showed little, if any, variation in lithic abundance, and this feature was not quantified.

The abundance of ferromagnesian minerals and quartz are important for designation of stratigraphic units because they vary systematically within each unit and bear a characteristic signature for flow units (Broxton et. al., 1996, 54948; Warren et. al., 1997, 59180). Ferromagnesian minerals (mostly pyroxene) typically reach maximum abundances near the tops and bottoms of the upper flow units in the Tshirege Member, depending upon whether the unit is normally or reversely zoned geochemically. With increased abundance, ferromagnesian minerals more readily show the affect of high temperature oxidation, giving the tuff small localized domains of reddish-brown staining. On the other hand, quartz abundance is significant for determining the boundary between units 3 and 4 of the Tshirege Member, the former being notably quartz rich by comparison to the latter unit.

As much as possible, core descriptions and unit designations followed those developed from field sample characterizations provided by Broxton et. al. (1996, 54948) and Warren et. al. (1997, 59180). Based on these previous sample characterization efforts and the features described above, contacts between units were identified in the core logs. These contacts are then used to correlate among the various boreholes, horizons that show lateral variations that might be important in analysis of contaminant dispersal.

For the detailed logs, elevations are approximated where exact values were not available at the time of logging. The lithologic descriptions generally do not include the information that is shown graphically on the logs, and each description applies to the general features of the rocks occurring below it until the appearance of new lithology.

G-4.0 Well Completion

Well completion records were created for all source area, alluvial system, and subsurface investigation observation wells. The well completion diagrams indicate the size of the annular space, annular material, casing length and material, depth of the screened interval, screen slot size, surface completion, and other physical characteristics of each well.

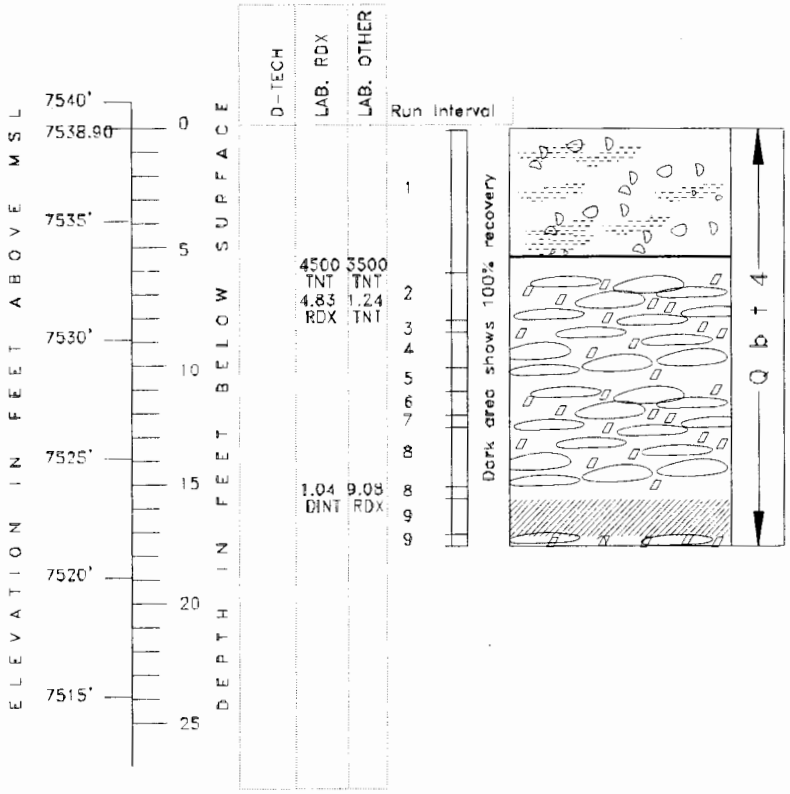
G-5.0 Figures

This section presents the source area, alluvial system, and subsurface borehole field logs and well completion diagrams. Well completion diagrams are signified with a "W" following the borehole number.

G-5.1 Source Area

Following are the figures for the source area boreholes 16-2700, 16-2700W, 16-2701, 16-2702, 16-2703, 16-2704, 16-2705, 16-2706, 16-2707, 16-2708, 16-2709, 16-2709W, 16-2710, 16-2710W, 16-2711, 16-2712, 16-2712W, 16-2735 (the continuation of borehole 16-2705), and 16-2736 and 16-2736W (the continuation of borehole 16-2708). Note that wells were installed in boreholes 16-2700, 16-2709, 16-2710, and 16-2712 only.

Borehole 16-2700



0-6' — No recovery(logged from cuttings), alluvium, silts, clays, sand and cobbles.

5-6' — No recovery – Soil / tuff interface predicted between 5 & 6 ft.

6-8.5' — Qbt. moderately welded, heavily weathered, 25% phenocrysts, ~5% pumice, 0-3% lithics, no fractures no staining, slightly moist(in-situ), 5YR 5/6 yellowish red.

8.5-10' — Qbt. moderately welded to welded, heavily weathered, 25% phenocrysts, 5-10% pumice, 0-3% lithics, no fractures, no staining slightly moist(possibily from drill water), 7.5YR 5/6 strong brown.

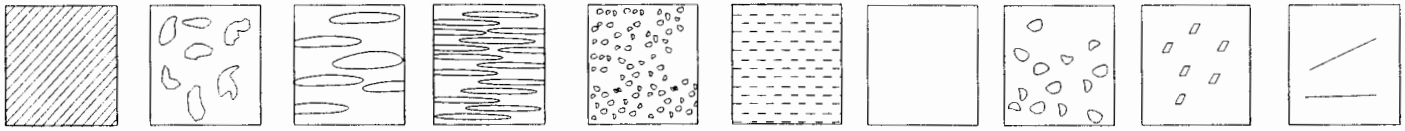
10-11' — Qbt. moderately welded to welded, heavily weathered, 25% phenocrysts, 5-10% pumice, 0-3% lithics, no fractures, no staining, dry, 7.5YR 6 5/4 light brown-pink

11-15.0' — Qbt, welded, slightly weathered, 25% phenocrysts(>2mm in size), 10-15% pumice(>1cm in size), 5-10% lithics, no fractures, no staining, slightly moist (possibilly from drill water) 7.5YR 6/4 light brown. No recovery from 15.0 to 15.5'.

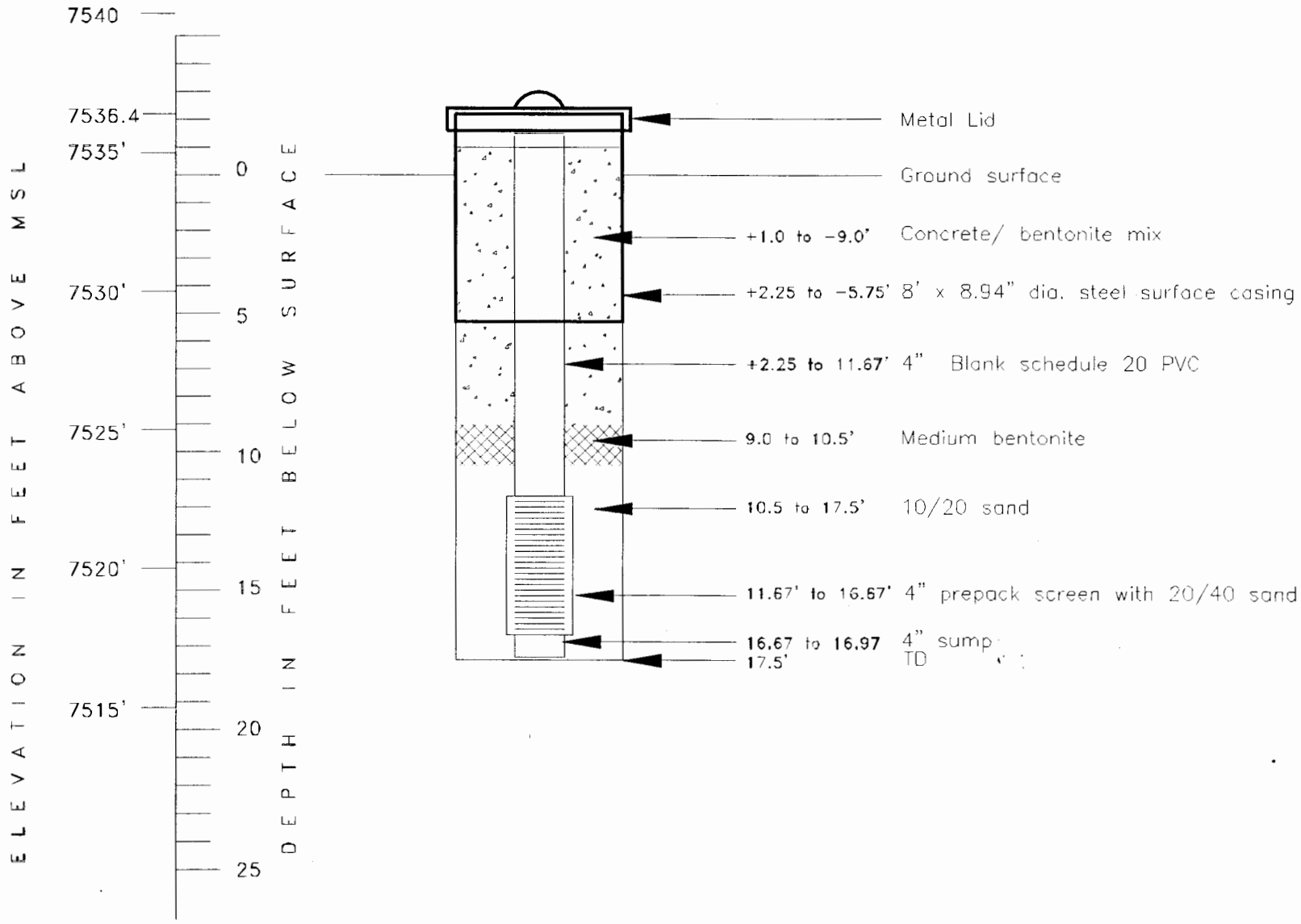
15.5-17' — Surge bed, phenocrysts, pumice, ash matrix all of sandy texture and intermediate percentages, saturated, 7.5YR 5/4 brown.

17-17.5' — Qbt, welded, slightly weathered, 25% phenocrysts(>2mm in size), 10-15% pumice(>1cm in size), 5-10% lithics, no fractures, no staining, slightly moist (possibilly from drill water) 7.5YR 6/4 light brown.

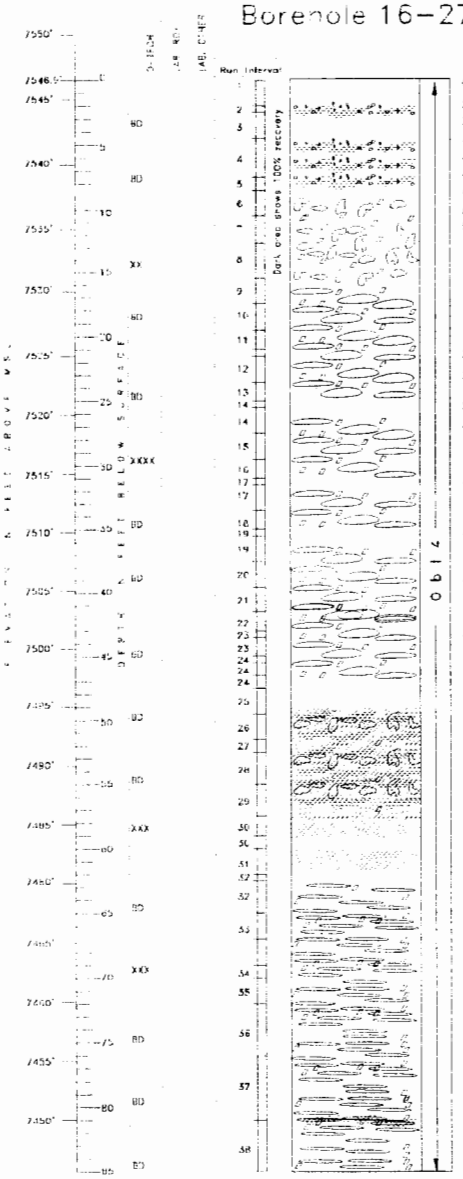
17.5' — TD



Borehole 16-2700W



Borehole 16-2701

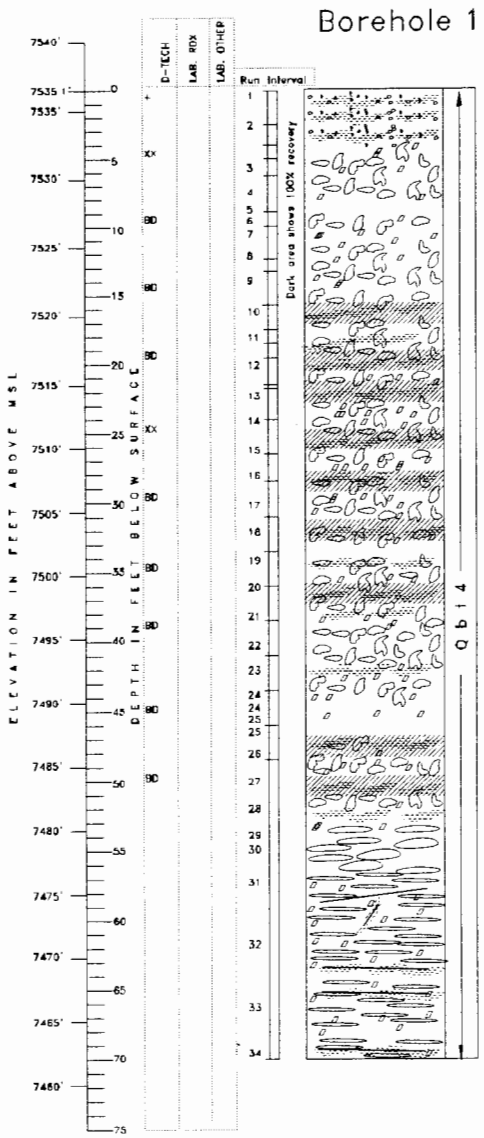


0-2'	No recovery
2'-2.33'	Intermixed silts & clay, mod organic (grass& roots), saturated w/ a dacite cobbles at 2.0'-2.5'
2.33'-3.5'	No recovery
3.5'-4.5'	Intermixed silts, clays, dacite cobbles & tuff gravels no organic 10YR 5/3 brown
4.5'-4.75'	Dacite cobble
4.75'-5.5	No recovery
5.5'-6.5'	Intermixed silts, clays, dacite cobbles & tuff gravels no organic 10YR 5/3 brown
6.5'-8.5'	No recovery
8.5'-11.5'	Heavily weathered Qbt, phenocrysts present (% unknown) no pumice 7.5yr 6/6 (m) reddish yellow, moist (shatters
11.5-12.75	Heavily weathered Qbt 15-20%pheno,<5% Lucite 10-15% dendrifies pumice (tiberg) 7.5yr 6/6 (d)
12.75'-13.5'	No recovery
13.5-19.5'	Heavily weathered Qbt, 15-20%pheno,<5% Lucite, 10-15% dendrified pumice (tiberg), 7.5yr 6/6 (d)
19.5-21.0	Slightly welded Qbt, <5% pumice 5yr 6/4(d) light reddish brown
21'-21.5	No recovery
21.5-23.5	Slightly welded Qbt. + 5% lithics, 25-30% pheno, <5% pumice 5yr 6/4 (d) crusted from drilling
25'-25.5'	No recovery
25-27.5'	Slightly welded Qbt. 5% lithics, 20-25% pheno <5% pumice 5yr 6/2 (d) pinkish gray, dry crusted from drilling
31'-35'	No recovery
35.5'-43'	Slightly to mod welded <5% lithics, 25-30% phenocrysts 5% pumice, dry 5yr 6/2 (g) w/ variable zones of color
43-43.5	No recovery
43.5-45.5'	No recovery
45.5-47	No recovery
49.5-52	Surge bed w/ clay bedding darker grainy band from 51'-51.25' (10YR 5/4 yellowish brown Qbt fragments, w/ variable zones of color, 7.5YR 7/1 light gray, 7.5YR 6/1 gray
49.5'-52'	Slightly welded to moderately welded no lithics, 25-30% phenocrysts w/ smectite alteration w/ clino-pyroxene<5% pumice, sanidine is present 5YR 4/1 dark gray 51.75' low angle fracture, color change at 51' to 10YR 4/1 dark reddish gray

BDX D-tech results

BD = below detection	3x = 2-5ppm	1+ = 5-6ppm
1x = 0-1ppm	4x = 3-4ppm	2+ = >6 ppm
2x = 1-2ppm	5x = 4-5ppm	

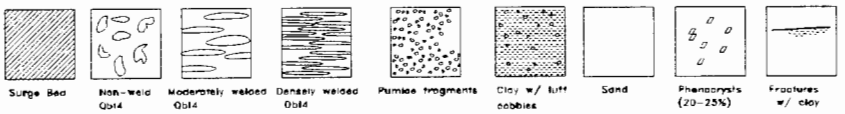
Borehole 16-2702



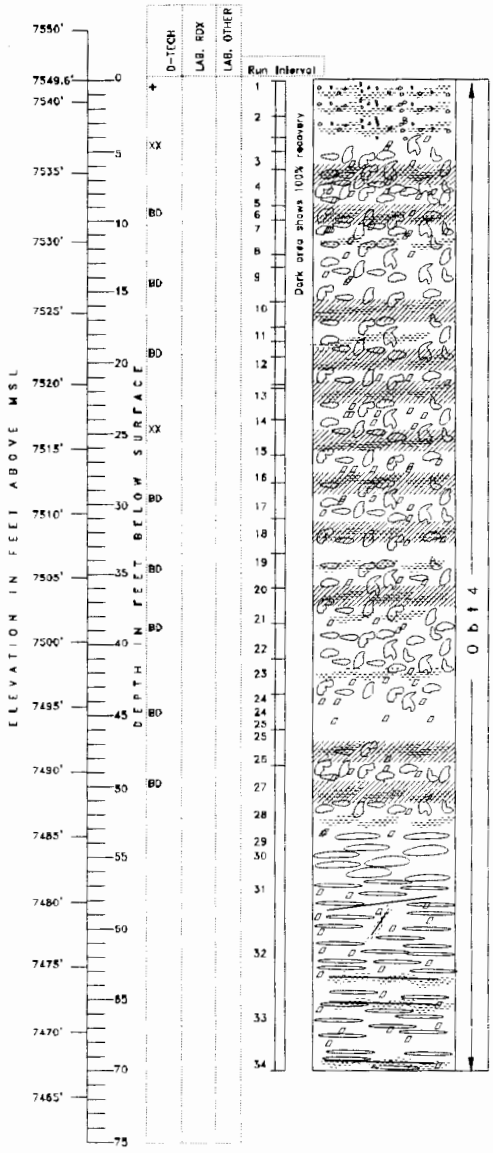
0-2.5'	Intermixed silts & clay, w/ dacite cobbles and clay 7.5yr 6/4 (w) light-brown)
2.5'-4.0'	Intermixed silts & clay, w/ dacite cobbles and clay 7.5yr 6/4 (m) light-brown)
4.0'-5.0'	no recovery
5.0'-6.25'	Intermixed silts & clay, w/ dacite cobbles and clay 7.5yr 6/4 (m) light-brown)
6.25'-7.5'	no recovery
7.5'-8.95'	Intermixed silts & clay, w/ dacite cobbles and clay 7.5yr 6/4 (m) light-brown)
8.95'-9.9'	No recovery
8.95'-9.9'	No recovery
9.9'-12.4'	No recovery
12.4'-13.25	No recovery
13.25'-17.5'	Slightly mod welded <5% lithics, 15-20% phenocrysts 15-20% verified pumice, 102 7/4 (a) testaining, dry, 2.5yr 7/2.(a)
17.5-18.5'	Slightly mod welded <5% lithics, 15-20% semuctite 15-20% verified pumice, 102 7/4 (a) testaining, dry, 2.5yr 7/2 (a)
18.5'-19.59'	Slightly mod welded <5% lithics, 15-20% phenocrysts 15-20% verified pumice, 102 7/4 (a) testaining, dry, 2.5yr 7/2 (a)
19.59'-21.75'	Slightly mod welded <5% lithics, 20-25% phenocrysts 10-15% verified pumice, 102 7/1 (d) light reddish grey, pheno in clusters
21.75'-26.5'	Slightly mod welded <5% lithics, 20-25% semetite 10-15% verified pumice, 102 7/1 (d) light reddish grey, pheno in clusters
26.5-31'	Slightly mod welded w/ clay bedding <5% lithics, 20-25% semetite 10-15% verified pumice, 102 7/1 (d) light reddish grey, pheno in clusters
31'-33.5'	Moderately welded, 15-20% pheno, 5-10% pumice, semectite alteration on clino., low angle fractures, vitrified pumice 2.5yr 8/1 (d) white
33.5'-36'	Moderately welded, 15-20% pheno, 5-10% pumice, semectite ,w/ clay, alteration on clino., low angle fractures, vitrified pumice 2.5yr 8/1 (d) white
36'-41'	Moderately welded, 15-20% pheno 5-10% pumice, semectite alteration on clino., low angle fractures, vitrified pumice 2.5yr 8/1 (d) white
41'-43.5'	Moderately welded, 15-20% pheno, 5-10% pumice, semectite , w/many low angle fractures and pheno. in clusters alteration on clino., low angle fractures, vitrified pumice 2.5yr 8/1 (d) white
43.5-46	Moderately welded, 15-20% pheno 5-10% pumice, semectite , w/ many low angle fractures and phenocrysts, alteration on clino.., vitrified pumice 2.5yr 8/1 (d) white
46'- 48.5'	moderately welded Qbt, 15-20% pheno, in clusters 15-20% pumice 3-6 margeiage, 45.75' pumice 1 1/2 across, semectite alt. on clino, low angle fractures 2.5yr. 7/2 (d) light reddisg gray
48.5'-56'	moderately welded Qbt, 15-20% pheno, 15-20% pumice 3-6 margeiage, 45.75' pumice 1 1/2 across, semectite alt. on clino, low angle fractures 2.5yr. 7/2 (d) light reddisg gray
56'-60.25'	Soft non-welded Qbt, percentages cant be deteramined 5yr 8/2 (d) pinkish white
60.25'-62.8'	No Recovery
62.8'-63.5'	Intermixed clay and qbt.
60.25'-65'	Soft non-welded Qbt, medium grain size, ashe size material,small grain size material, surge bed material 5yr 8/2 (d) pinkish white
65'-67.5'	slight to moderately welded qbt, 5-10% pheno, 10-15% pumice, smectite alteration on clino.
67.5'-69.5'	5-10% pheno, 5-10% pumice, semectite alteration 5yr 7/2 (m) pinkish gray.
69.5'-70'	25-30% pheno, 5-10% pumice semectite alteration clino 5yr 7/3 (m) pink

RDX D-Tech results

BD = below detection	3X = 2-3ppm	1+ = 5-6ppm
1X = 0-1ppm	4X = 3-4ppm	2+ = >6 ppm
2X = 1-2ppm	5X = 4-5ppm	



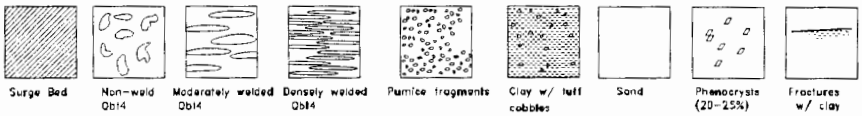
Borehole 16-2703



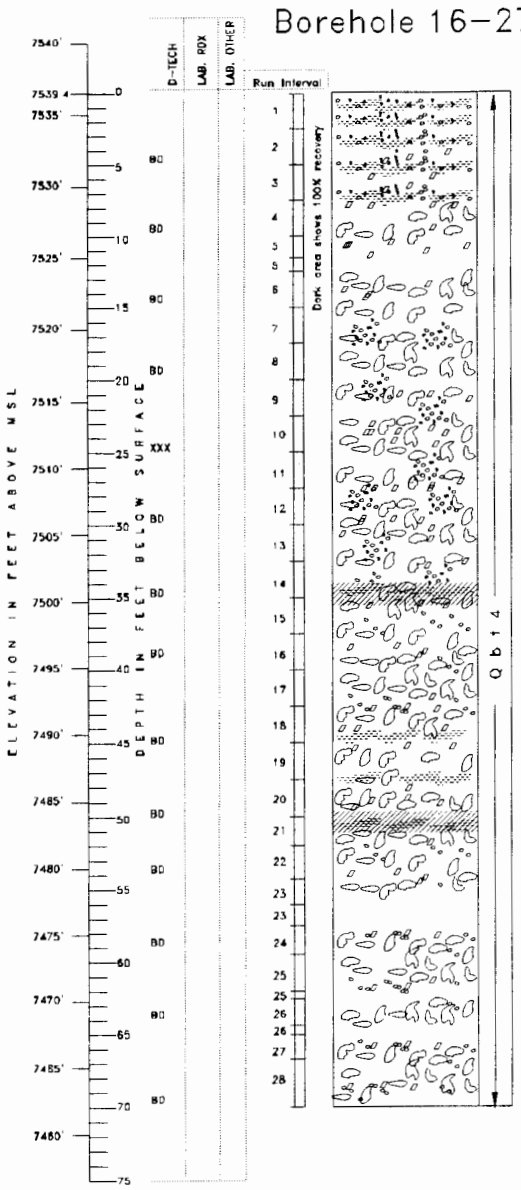
0-1'	Intermixed silts & clay, w/ dacite cobbles and clay
1'-2.5'	No Recovery 5YR 7/2 (d) pinkish gray
2.5'-4.5'	Intermixed silts & clay, w/ dacite cobbles and clay
4.0'-5.0'	No recovery
5.0'-7.17'	Intermixed silts & clay, w/ more dacite cobbles and clay
7.17'-7.5'	Intermixed silts & clay, w/ more dacite cobbles and clay
7/5-10'	No recovery
10'-12'	Heavily weathered in Qbt., unable to get percentages, dacite cobbles 7.5YR 7/6 (D) reddish yellow
12.0'-12.5'	No recovery
12.5'-17.5'	Heavily weathered in Qbt., unable to get percentages, dacite cobbles <5% lithics 5-10% phenocrysts, <5% pumice (devitrified) semectite alteration on clino, slight welded to non-welded , 5YR. 7/1 (D) light gray.
17.5'-19.5'	Slightly welded qbt. <5% lithics, 15-20% pheno. w/semectite alteration on clino, 30-35% vitrified pumice 2.5yr 6/1 (d) reddish gray
19.5'-20.'	No recovery
20'-21.75'	Slightly welded qbt. <5% lithics, 20-25% pheno. w/semectite alteration on clino, 30-35% vitrified pumice 2.5yr 6/1 (d) reddish gray
21.75'-22.5	No recovery
22.5-24.75'	Slightly welded qbt. <5% lithics, 20-25% pheno. w/semectite alteration on clino, 30-35% vitrified pumice 2.5yr 6/1 (d) reddish gray
24.75'-25'	No recovery
25'-26.75'	Slightly welded qbt. <5% lithics, 20-25% pheno.in clusters w/semectite alteration on clino, 30-35% vitrified pumice 2.5yr 6/1 (d) reddish gray
26.75'-27.5'	No recovery
27.5'-29'	Slightly welded qbt. <5% lithics, 20-25% pheno. w/ clay,<5% pumice 2.5yr 6/1(d) reddish gray.
29-30'	No recovery
30'-32'	Slightly welded qbt. <5% lithics, 20-25% pheno. w/ semectite alteration on clino.,<5% pumice 2.5yr 6/1(d) reddish gray.
32'-32.5'	No recovery
32.5'-34.25	Slightly welded qbt. <5% lithics, 20-25% pheno. w/no clay <5% pumice 2.5yr 6/1(d) reddish gray.
34.25'-35'	No recovery
35'-37'	Slightly welded qbt. <5% lithics, 20-25% pheno. w/a minor clay bed <5% pumice 2.5yr 6/1(d) reddish gray
37'-37.5'	No recovery
37.5'-40'	Slightly welded qbt. <5% lithics, 20-25% pheno. w/ clay,<5% pumice 2.5yr 6/1(d) reddish gray.
40'-42'	Slightly welded qbt. <5% lithics, 15-20% pheno. w/ no clay,<5% pumice 2.5yr 6/1(d) reddish gray
42'-42.5'	No recovery
42.5-44.5'	Slightly welded qbt. <5% lithics, 15-20% pheno. w/ clay bed 1" wide, <5% pumice 2.5yr 6/1(d) reddish gray.
44.5-45'	No recovery
45'-47'	Slightly welded qbt w/ evident clay bedding, no apparent variation in grain size, possibly surge bed. 7.5yr 6/4 (d) light brown, medium
47'-47.5'	No recovery
47.5'-49'	Non-welded qbt w/ evident clay bedding, no apperent variation in grain size, possibly surge bed 10yr 8/1 (d) white, f fine grain
49-50'	No recovery
50'-51.75	Non-welded qbt w/ evident clay bedding less evedint, possibly surge bed 10yr 8/1 (d) white, fine grain.
51.75'-52.5'	No recovery
52.5'-54'	Non-welded qbt w/ minor clay beding, fine grain size 5yr 7/1(d) light gray
54'-55'	No recovery
55'-57'	Non-welded qbt w/ minor clay beding, fine grain size 5yr 7/1(d) light gray
57'-57.5'	No recovery
57.5'-57.75'	non-welded qbt w/ minor clay bedding, mod. to densely welded qbt fragments
57.75'-60'	No recovery
60'-60.25'	Large densely welded Qbt. frangment plugging shoe, 20-25% pheno. w/ semectite alt. on clino. 5-10% vitrified pumice, 5yr 7/1 (d) light gray
60.25'-62.5'	No recovery
62.5'-64.5'	Slightly welded qbt. 10-15% pheno. w/ semectite alt. on clino 5-10% vitrified pumice, 5yr 7/1 (d) light gray
64.5'-65'	No recovery
65'-65.25	Moderately welded Qbt
65.25'-69'	Densely welded qbt. 30-35% phenocrysts w/ semectite alteration on clino, 5-10% pumice, hematite staining sanodine present
69'-70'	No recovery

RDX D-tech results

BD = below detection	3X = 2-3ppm	1+ = 5-6ppm
1X = 0-1ppm	4X = 3-4ppm	2+ = >6 ppm
2X = 1-2ppm	5X = 4-5ppm	



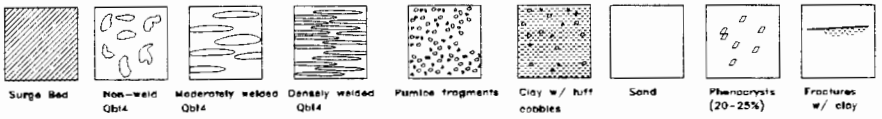
Borehole 16-2704

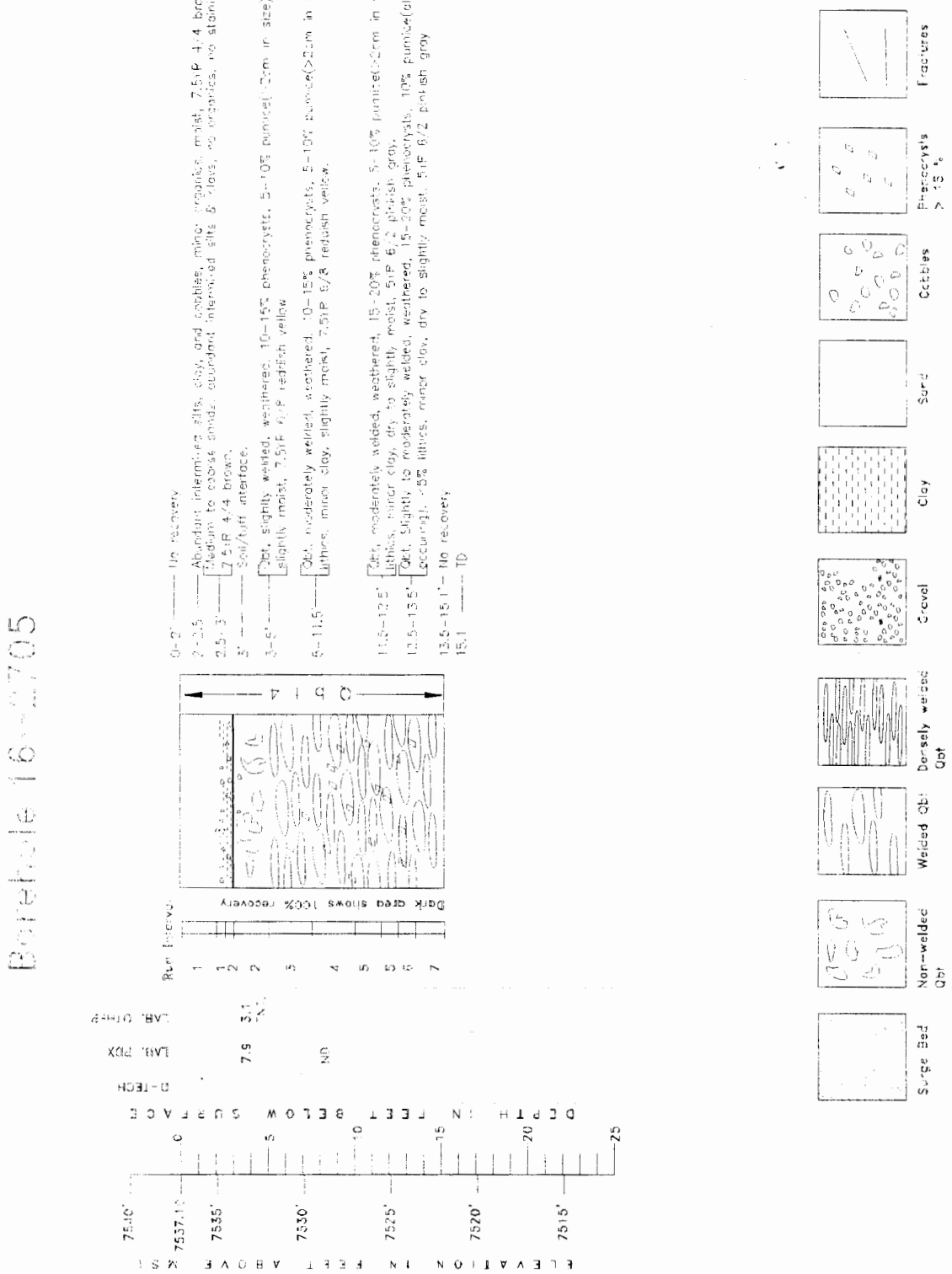


0-2.5	Intermixed silts and clays w/ organics (grass, roots and pine needles) 5yr 4/3 (m) reddish brown
2.5'-5'	Clay and tuff w/ lithics, saturated 7.5yr 4/3 (m) brown
5'-7.5'	Clay and tuff w/ lithics, dacite cobbles, saturated 7.5yr 4/3 (m) brown
7.5-10'	Non- welded , heavily weathered Qbt w/ dacite cobbles, 5YR 6/2 pinkish gray
10'-11.5'	Non- welded , heavily weathered Qbt w/ dacite cobbles, and pumice, 5YR 6/2 pinkish gray
11.5-12.5'	No recovery
12.5'-15'	Non- welded , heavily weathered Qbt w/ dacite cobbles, and pumice, 5YR 8/2 (d) pinkish white
15'-17.5'	Slightly welded qbt. <5% lithics 15% phenocrysts in clustors, 5-10% pumice 2-5mm fragments 5yr 8/2 (d) pinkish white crushed by drilling
17.5'-40'	Slightly welded qbt. <5% lithics 15% phenocrysts in clustors, 5-10% pumice 2-5mm fragments 5yr 8/2 (d) pinkish white crushed by drilling
34.75-35	Possible surge bed w/ clay layers
40'-42.5'	Slightly welded qbt. <5% lithics 15% phenocrysts in clustors, w/ clay layer ,5-10% pumice 2-5mm fragments 5yr 8/2 (d) pinkish white crushed by drilling.
42.5'-45.5'	Slightly welded qbt. <5% lithics 15% phenocrysts in clustors, w/ clay layer ,5-10% pumice 2-5mm fragments 10yr 6/2 (d) light bronish grey,clay layer at 44'
45.5'-47.5'	Slightly welded qbt. <5% lithics 15% phenocrysts , w/ clay layer ,5-10% pumice 2-5mm fragments 10yr 7.5yr 7/2 (d) pinkish grey, clay layer at 44'
47.5'-56'	Slightly welded qbt. <5% lithics 15% phenocrysts , w/ clay layer ,5-10% pumice 2-5mm fragments, slightly to non- welded 10yr 7.5yr 7/2 (d) pinkish grey, clay layer at 44'
56-57.5'	No recovery
50-70'	Slightly welded, <5% lithics < 5%pumice 15-20% phenocrysts w/ semectite alteration on clino-pyroxene 5YR 7/1 light grey, 51-52'surge bed material (7.5YR 5/4 brown)
59.5-60	No recovery
64.3-65	No recovery
70'	TD

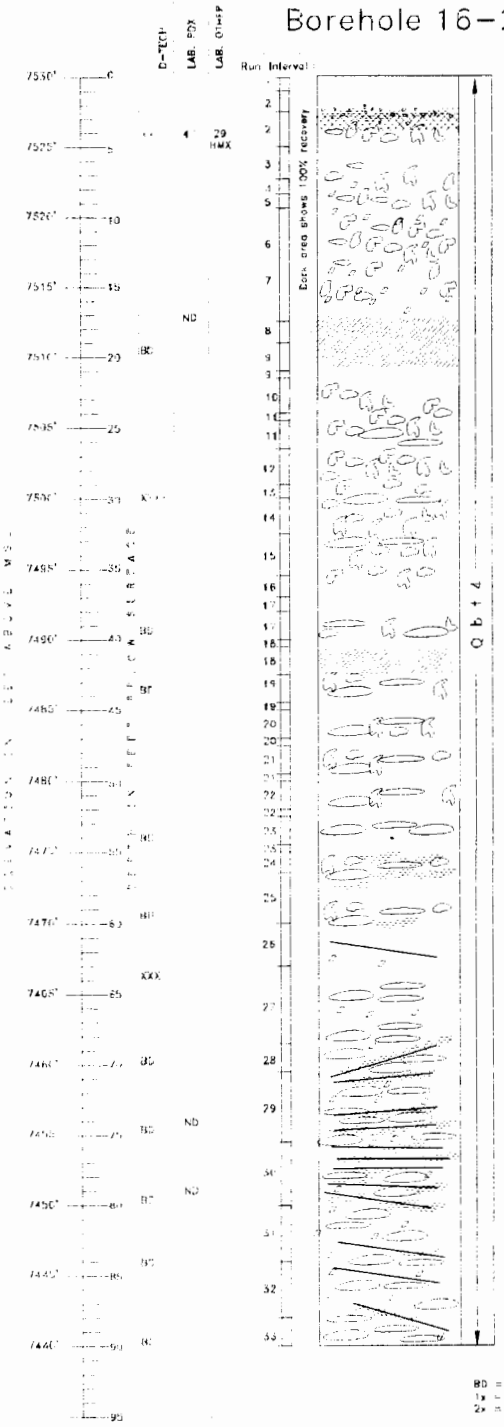
RDX D-tech results

BD = below detection	3X = 2-3ppm	1+ = 5-8ppm
1X = 0-1ppm	4X = 3-4ppm	2+ = >8 ppm
2X = 1-2ppm	5X = 4-5ppm	




Borehole 16-02705
0-2' No recovery
2-2.5 Abundant intermixed silts, clay, and cobbles, minor organics, moist, 7.5YR 4/4 brown.
2.5-3 Medium to coarse sands, abundant intermixed silts & clays, no organics, no staining, saturated.
3' 7.5YR 4/4 brown.
Soil/tuff interface.
3-6' Qbt, slightly welded, weathered, 10-15% phenocrysts, 5-10% pumice(<2cm in size), <5% lithics
slightly moist, 7.5YR 6/8 reddish yellow
6-11.5' Qbt, moderately welded, weathered, 10-15% phenocrysts, 5-10% pumice(>2cm in size), <5%
lithics, minor clay, slightly moist, 7.5YR 6/8 reddish yellow.
11.5-12.5' Qbt, moderately welded, weathered, 15-20% phenocrysts, 5-10% pumice(<2cm in size), <5%
lithics, minor clay, dry to slightly moist, 5YR 6/2 pinkish gray.
12.5-13.5' Qbt, Slightly to moderately welded, weathered, 15-20% phenocrysts, 10% pumice(alteration
occurring), <5% lithics, minor clay, dry to slightly moist, 5YR 6/2 pinkish gray
13.5-15.1' No recovery
15.1 TD
Run Recovery
Dark area shows 100% recovery
Q b t 4
LAB. OTHER
LAB. PDX
D-TECH
ND
DEPTH IN FEET BELOW SURFACE
0
5
10
15
20
25
7540'
7537.1'
7535'
7530'
7525'
7520'
7515'
ELEVATION IN FEET ABOVE MSL
Surge Bed
Non-welded Qbt
Welded Qbt
Densely welded Qbt
Gravel
Clay
Sand
Cobbles
Phenocrysts > 15 %
Fractures

Borehole 16-2706



0–1' No recovery

1'–7'3" Soil w/ sandy loam w/ gravels, slightly welded, very weathered. 5% lithics, 5–10% pumice, 5–10% phenocrysts, moist 10R 6/3 pale red

7'1"–17' Welded 20% phenocrysts, <5% lithics, 5–10% pumice, no fractures, moist from drilling 10R 5/3 weak red

17'–21' Surge bed material, medium to coarse sands, intermixed w/ silts & clays crushed from drilling in situ moisture, no distict bedding

21–21'6" No recovery

21'6"–40' Welded w/ interlayed mod. welded, 10–15% phenocrysts, 10% pumice, 5–10% lithics, slightly moist 10R 6/1 reddish gray

37'6"–38 No recovery

40–40'6" No recovery

40'6"–42'6" Surge bed material, medium to coarse sands, intermixed w/ silts & clays crushed from drilling in situ moisture, no distict bedding

42'6"–53' Welded w/ interlayed mod. welded, 10–15% phenocrysts, 10% pumice, 5–10% lithics, slightly moist 10YR 8/2 very pale brown

44'6"–45 No recovery

47–47'6" No recovery

49'6"–50' No recovery

52–52'6" No recovery

53'6"–54'6" Very slightly welded, crushed from drilling, heavily weathered w/ distinct clay bedding interlayed, fine grained matrix, insitu moisture, 10YR 8/2 very pale brown

54'6"–55' No recovery

55'–57'6" Same as above w/ an increase in clay

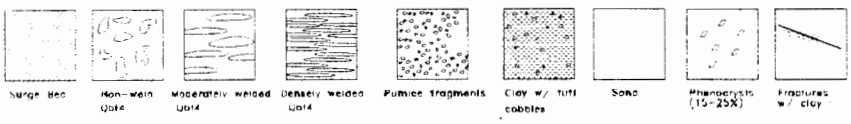
57'6"–60' Same as above w/ a decrease in clay.

60–90' Slightly to mod. welded, <5% lithics, 15–20% phenocrysts, w/ clinopyroxene w/ semicute weathering, < 5% pumice, sanidine is present, 5YR 5/1 gray (m)
Fractures @: 61'2"–62', high angle 68'5"–70'9", 71'6", 74'3", 75', 75'–79', high angle @ 85–90°

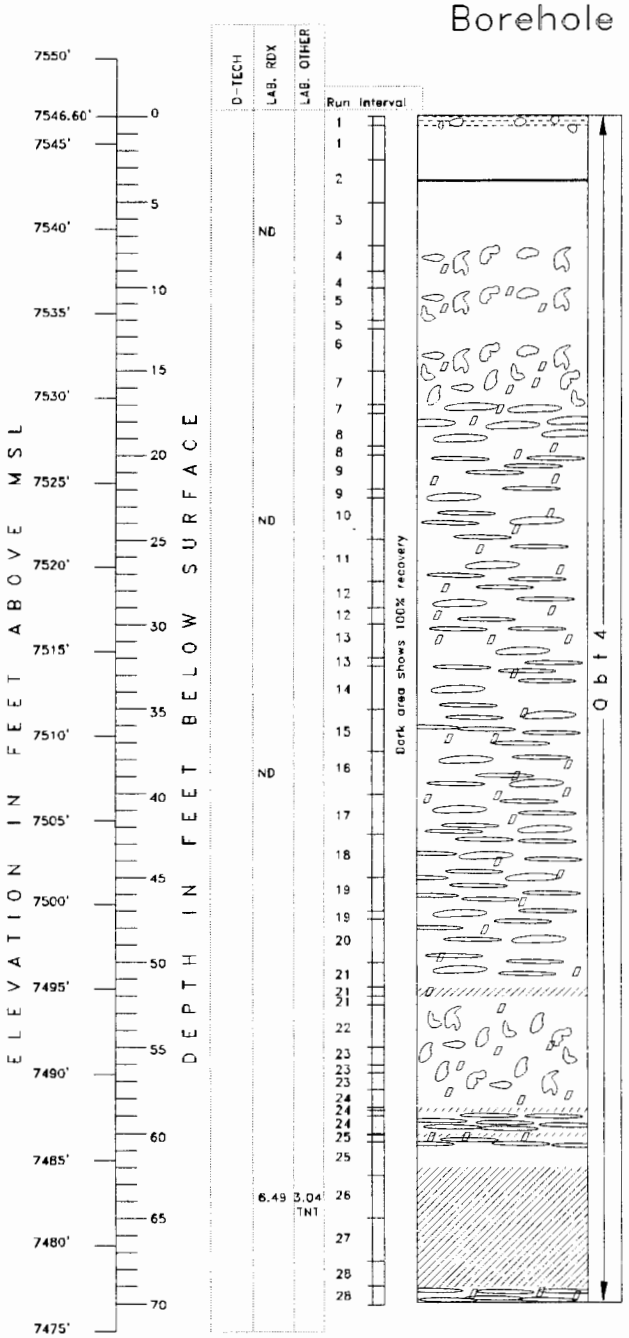
90' TD

RDX D-tech results

BD = below detection
1x = 0–1 ppm
2x = 1–2 ppm
3x = 2–3 ppm
4x = 3–4 ppm
5x = 4–5 ppm
1+ = 5–6 ppm
2+ = >6 ppm



Borehole 16-2707



0-0.5' Cobbles w/ abundant intermixed silts and clay minor organics(pine needles), moderately moist, 10YR 4/2 dark grayish brown.

2.5-5' — Soil/tuff interface(predicted between 2.5 -5.0' based on cuttings)

0.5-7.5' — No Recovery.

7.5-12' — Qbt. (crushed from drilling), heavily weathered, dry, 10YR 5/4 yellowish brown.

12-12.5' — No Recovery.

12.5-19' — Qbt. Slightly to modrately welded, 20% phenocrysts, 10-15% pumice, < 5% lithics, 7.5YR 7/2 pinkish gray.

No Recovery: (17.0 to 17.5'), (19.5 to 20'), (22 to 22.5'), (29 to 30'), and (32 to 32.5').

20-51.5' — Qbt. Moderately welded to welded, 20% phenocrysts, 5-10% pumice, < 5% lithics, 7.5YR 7/1 light gray.

12-12.5 — No Recovery: (52 to 52.5'), (59 to 60'), and (60.5 to 62.5)

51.5-52' — Possible surge bed layer, non welded, distinct layering, larger phenocrysts 7.5YR 5/2 brown.

52.5-56' — Qbt. Non welded,(no distinict layering), 20% phenocrysts, < 5% lithics, 7.5YR 6/1 light gray.

56-56.5' — Qbt. Non welded,(no distinict layering), 20% phenocrysts, < 5% lithics, 7.5YR 6/2 brown.

56-58.5' — Qbt. Non welded, 10% phenocrysts, 10-15% lithics, 10YR 7/1 light gray.

58.5-58.67' — Surge bed material: Qbt. non welded, fine grained, sandy, no distinct phenocrysts, slightly moist(possibilly from drilling), 10YR 5/4 gray.

58.67-59' — Qbt, densely welded, 25% phenocrysts, 7.5YR 4/1 dark gray

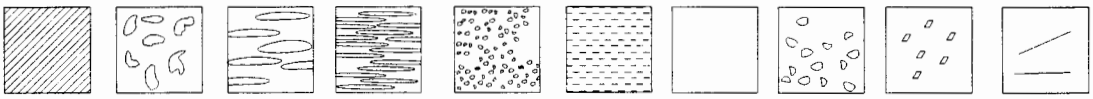
60-60.1' — Surge bed material: Qbt. non welded, fine grained, sandy, no distinct phenocrysts, slightly moist(possibilly from drilling), 10YR 5/4 gray.

60.1-60.5' — Qbt, densely welded, 25% phenocrysts, 7.5YR 4/1 dark gray

62.5-69' — Surge bed material: non-welded, weathered, 10% pumice, some stained layers, sandy, moist, 10YR 6/1 gray.

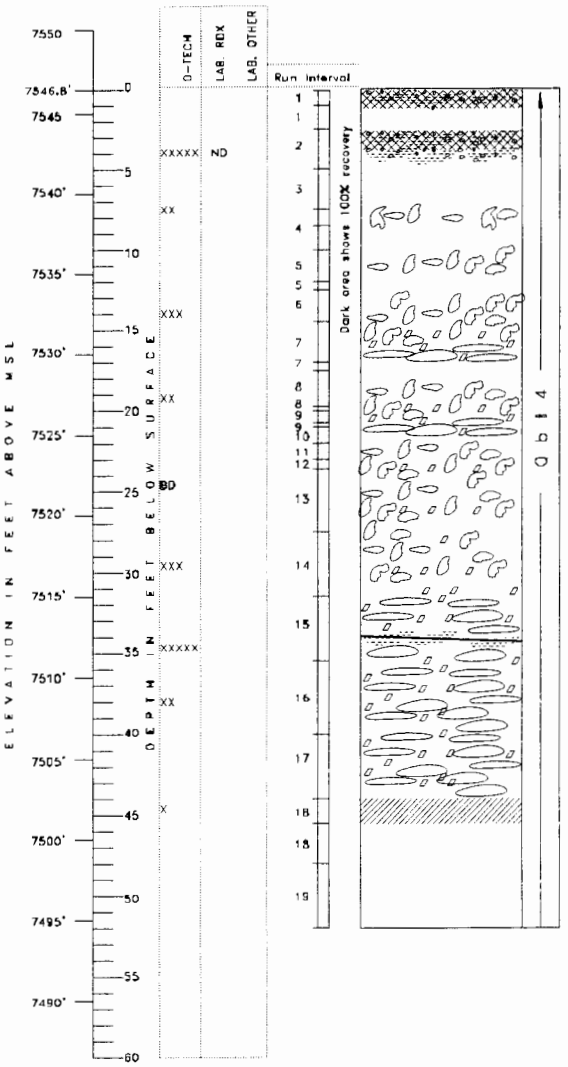
69-70' — Qbt, Densely welded, 25% phenocrysts, sanidine present, moist(possibilly from drilling), 7.5YR 6/1 gray.

TD=70'



Surge Bed | Non-welded Qbt | Welded Qbt | Densely welded Qbt | Gravel | Clay | Sand | Cobbles | Phenocrysts > 15 % | Fractures

Borehole 16-2708

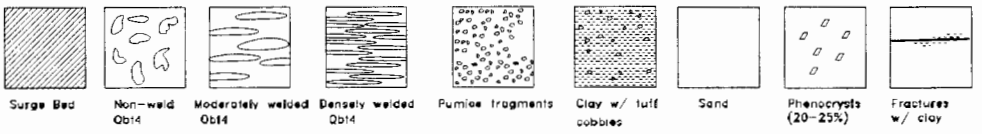


0-1'	Saturated w/ drill water, predominantly clay, minor organics, sand & dacite gravels, 10YR 4/3(m)
1'-2.5'	No recovery
2.5'-4	Predominantly clay, minor organics, sand& dacite gravels, 7.5YR 6/4 light brown
5'-7.5'	No recovery
7.5'-8.5'	Heavily weathered some lithics, phenocrysts, slightly moist 7.5YR 7/8 reddish brown
8.5'-10'	No recovery
10-12'	Heavily weathered some lithics, phenocrysts, slightly moist 7.5YR 7/6 reddish brown
12-12.5'	No recovery
17'-17.5'	No recovery
12.5-31.5'	Weathered, mod welded, <5% lithics, 20% phenocrysts, 20% pumice ~2cm w/ decreasing pumice at 17.5', 5Y3 7/2 pinkish gray
31.5'-45.5'	Welded, w/ 5% lithics, 10-15% phenocrysts, 10-15% devitrified pumice, 2.5YR 7/2 pinkish gray fracture at 34.5' w/ cloyt development
44.5'-45.5'	Surge bed material, sandy texture, 20% silts & clay, fine pumice, definiated bedding layers
45.5'-52'	No recovery
52'	TD

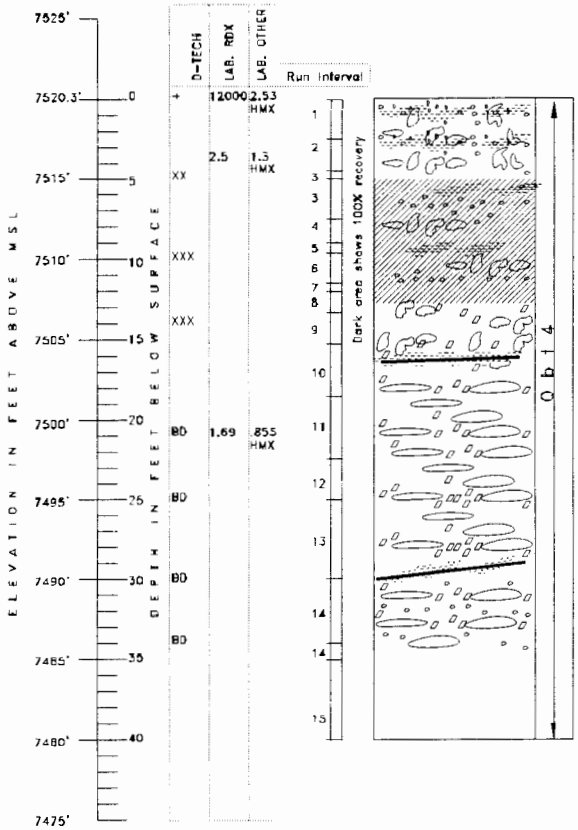
RDX O-tech results

BD = below detection	3X = 2-3 ppm	1+ = 5-6 ppm
1X = 0-1 ppm	4X = 3-4 ppm	2+ = >6 ppm
2X = 1-2 ppm	5X = 4-5 ppm	

PRS 16-021(c)
FU # 3
ICF Kaiser



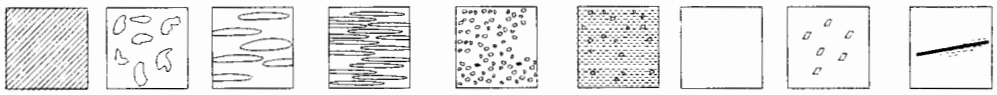
Borehole 16-2709



0-4.5'	0-.5, intermixed silts w/ caly, mod.organics, heavily weathered, 5% lithics w/ 2cm frags clino pyroxen 7.5YR 5/2(d) brown
4.5'-5'	No recovery
5-13.75'	Compacted surge bed alternating layers of pumice heavily weathered qbt and clay 7.5YR 5/2 Brown (d)
13.75'-15.25'	Heavily weathered Qbt, 5% pumice, 15-20% phenocrysts w/ clino-pyroxene w/ semectite weathering <5%lithics, 2.5YR 5/2 (d)
15.25-30'	Mod. welded, 10% pumice, 5% lithics, 10-15% phenocryst, one clay filled fracture @ 16' fractures @ 16', high angle 29-30',7.5YR 6/2 pinkish gray
30'-34'	Mod welded, 20-25% phenocrysts,<5% lithics, 15-20% pumice devetrified .3cm .5YR 5/3 (m)
34'-35'	No recovery
35'-40'	No recovery
40'	TD

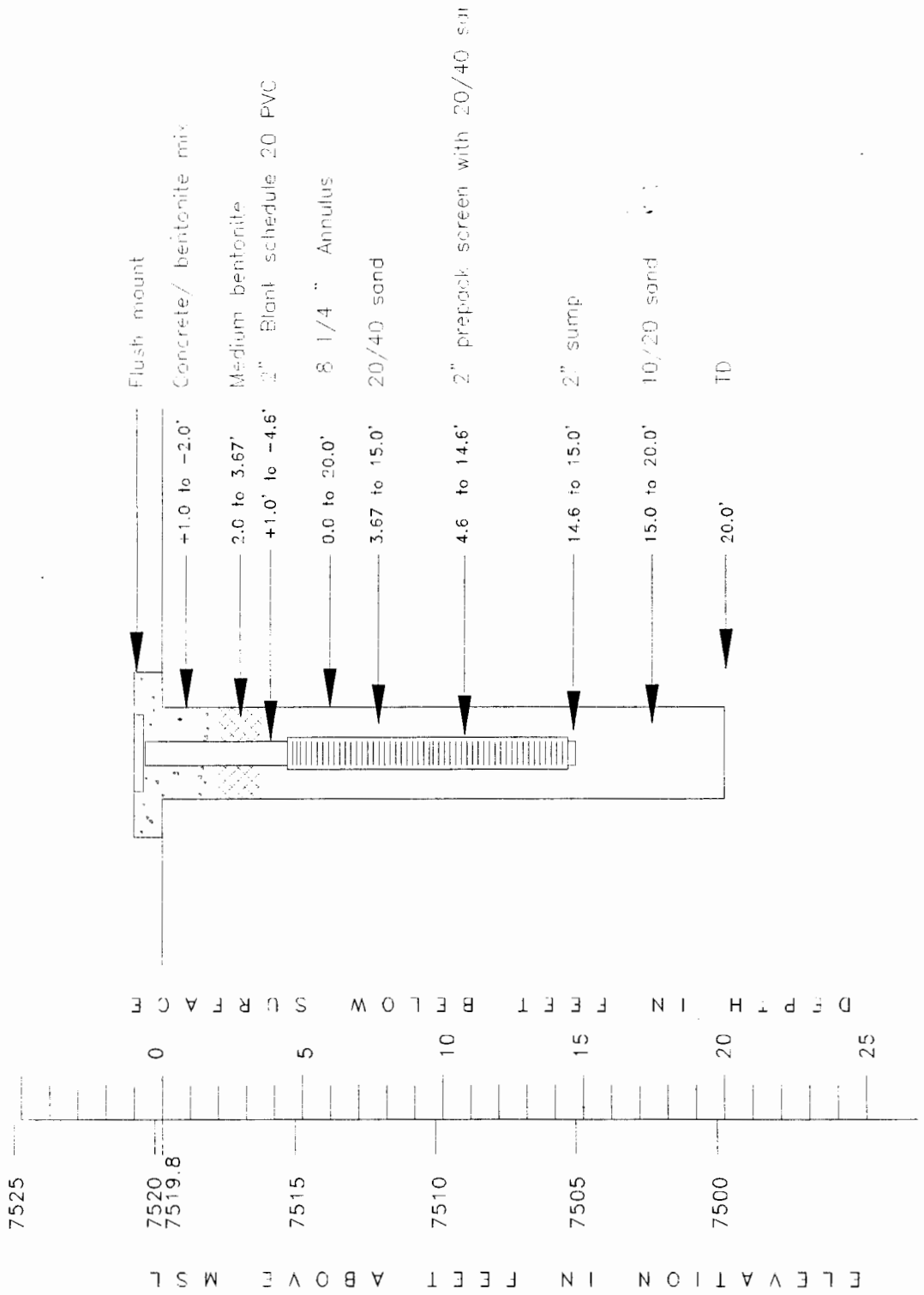
RDX D-tech results

BD =below detection
1X = 0=1 ppm
2X = 1-2 ppm
3X = 2-3 ppm
4X = 3-4 ppm
5X = 4-5 ppm
1+ = 5-6 ppm
2+ = >6 ppm

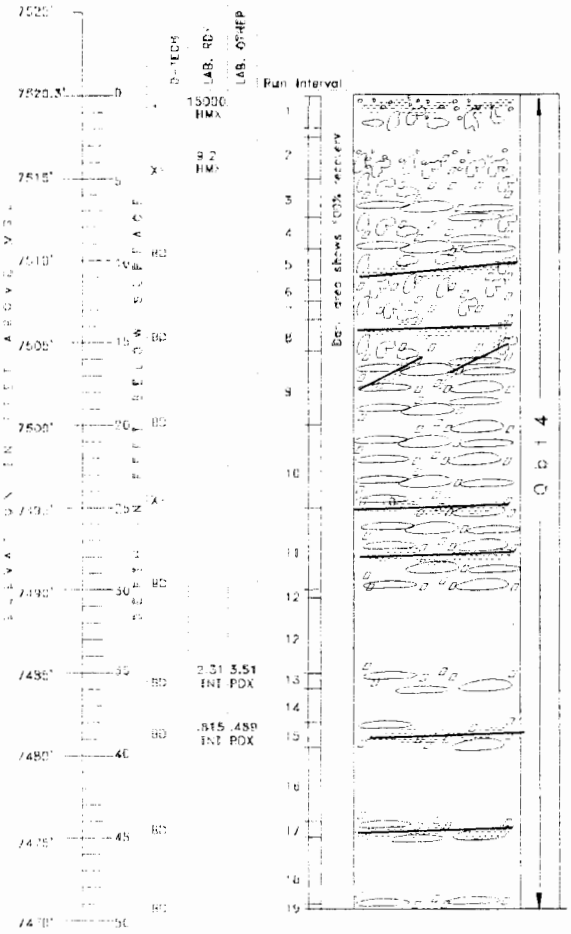


Surge Bed | Non-weld Qbt4 | Moderately welded Qbt4 | Densely welded Qbt4 | Pumice fragments | Clay w/ tuff cobbles | Sand | Phenocrysts (20-25%) | Fractures w/ clay

Borehole 2709W



Borehole 16-2710



0–2' — Intermixed silts, sands, and clays, moderate organics, heavily weathered.

2–2.5 — No Recovery

2.5–5' — Qbt, intermixed silts, sands, and clays, pumice fragment(~2cm), moderate organics, heavily weathered.

5–30.5' — Qbt, slightly to moderately welded, 20–30% phenocryst(smectite alteration on clino-pyroxene), 5% lithics(~5cm in size), pumice fragment(~2cm), 5YR 5/2 reddish gray. High angle fractures at 16 & 17'(clay development along fracture planes).

30.5–35' — No recovery (casing advancer).

35–36' — Qbt, welded, sandy texture, 20–30% phenocrysts(within the phenocrysts are green blocks of crystals possibly on alteration stage of the clino-pyroxene), 5% pumice, 5% lithics, 5YR 5/2 reddish gray.

36–38' — No Recovery (casing advancer).

38–39.5' — Qbt, welded, sandy texture, 20–30% phenocrysts(within the phenocrysts are green blocks of crystals possibly on alteration stage of the clino-pyroxene), 5% pumice, 5% lithics, 5YR 5/2 reddish gray.

39.5–44' — No Recovery (casing advancer).

44–45' — Qbt, moderately welded, 15–20% phenocrysts, <5% pumice, 5% lithics, 7.5YR 6/2 pinkish gray.

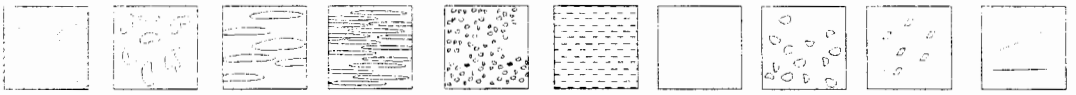
44–49 — No Recovery (casing advancer)

49–49.33' — Qbt, moderately welded, 15–20% phenocrysts, <5% pumice, 5% lithics 7.5YR 6/2 pinkish gray.

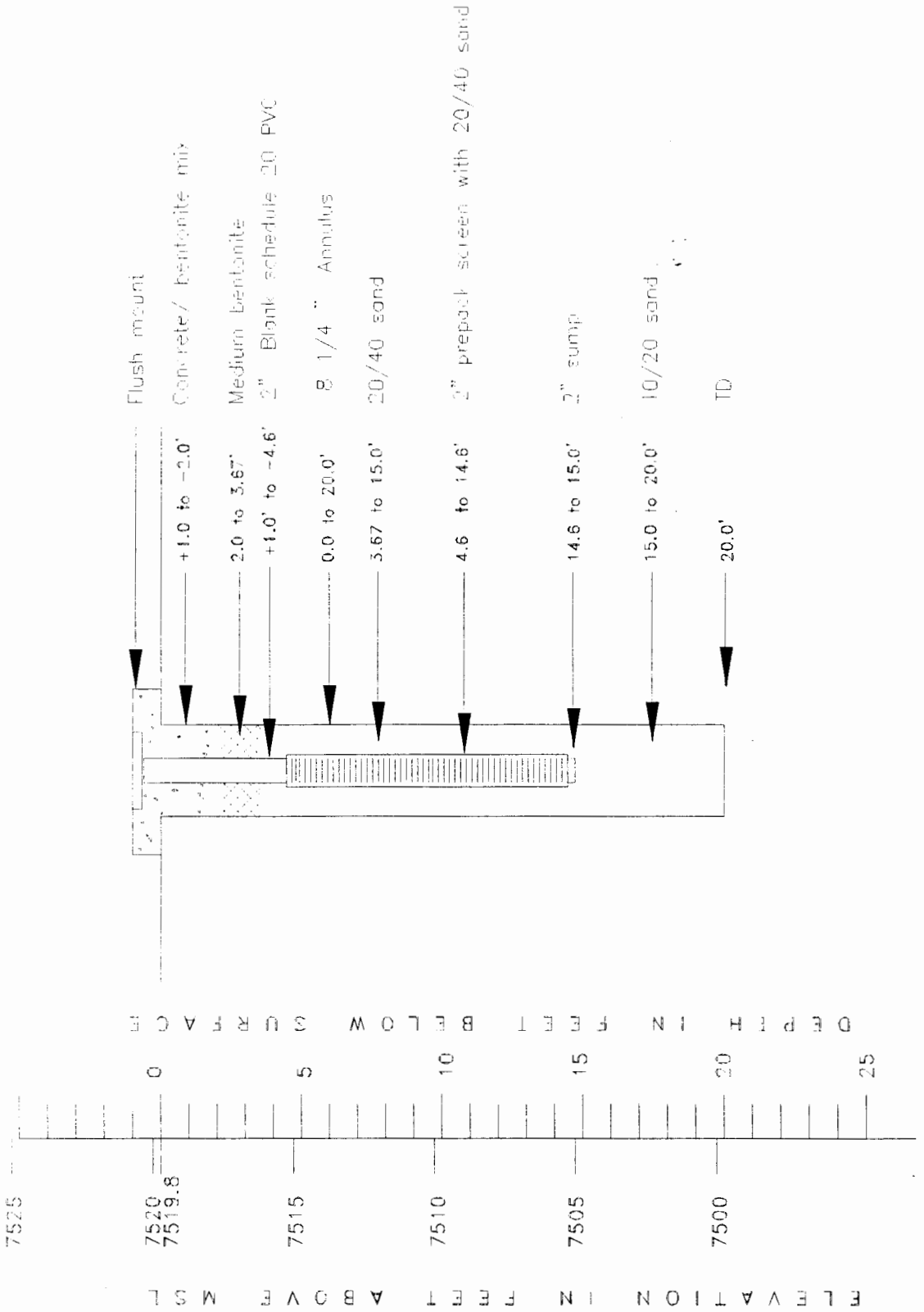
49.33 — TD

RDX: D-tech results

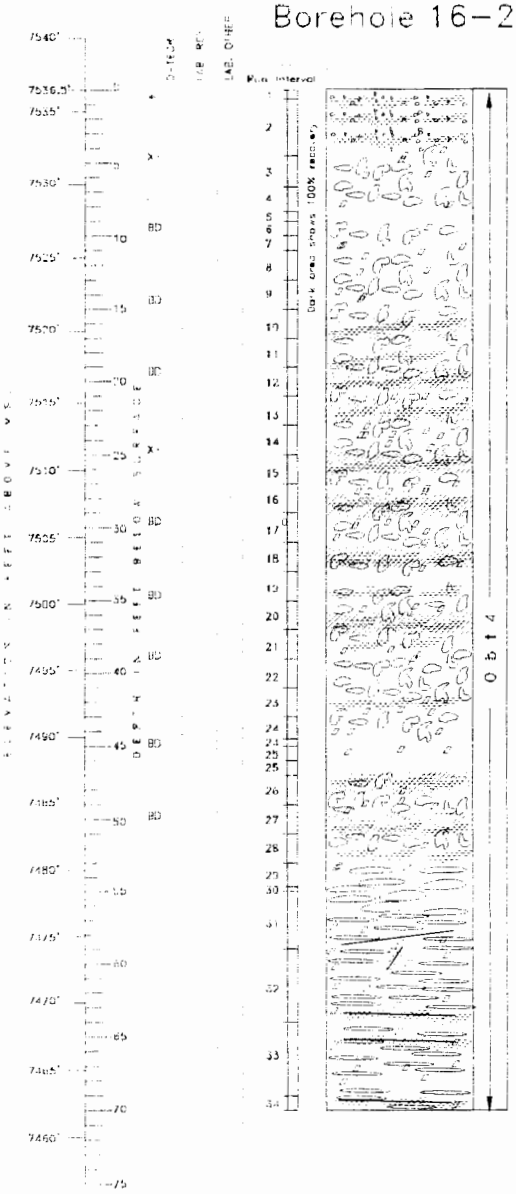
BD = below detection
1X = 0–1 ppm
2X = 1–2 ppm
3X = 2–3 ppm
4X = 3–4 ppm
5X = 4–5 ppm
1+ = 5–6 ppm
2+ = >6 ppm



Borehole 16-2710W



Borehole 16-2711



0-4.5' Intermixed silts & clay, mod organics (grass& roots), saturated w/ a dicite cobbles of 0.5-0.75'

4.5-8.25' Slightly welded <5% lithes, 20-25% phenocrysts

8.25'-9 No recovery

9'-15' Slightly welded <5% lithes, 20-25% phenocrysts
increase in phenocrysts w/ semectite alteration on clino pyroxene

15'-53' Non welded Obt. interbedded surge bed w/clay development 2.5YR 6/1

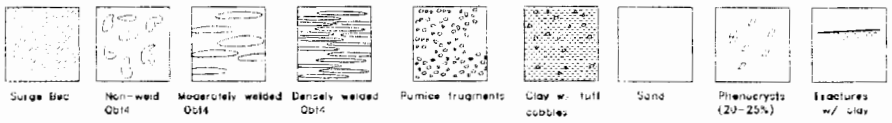
44.5'-45' No recovery

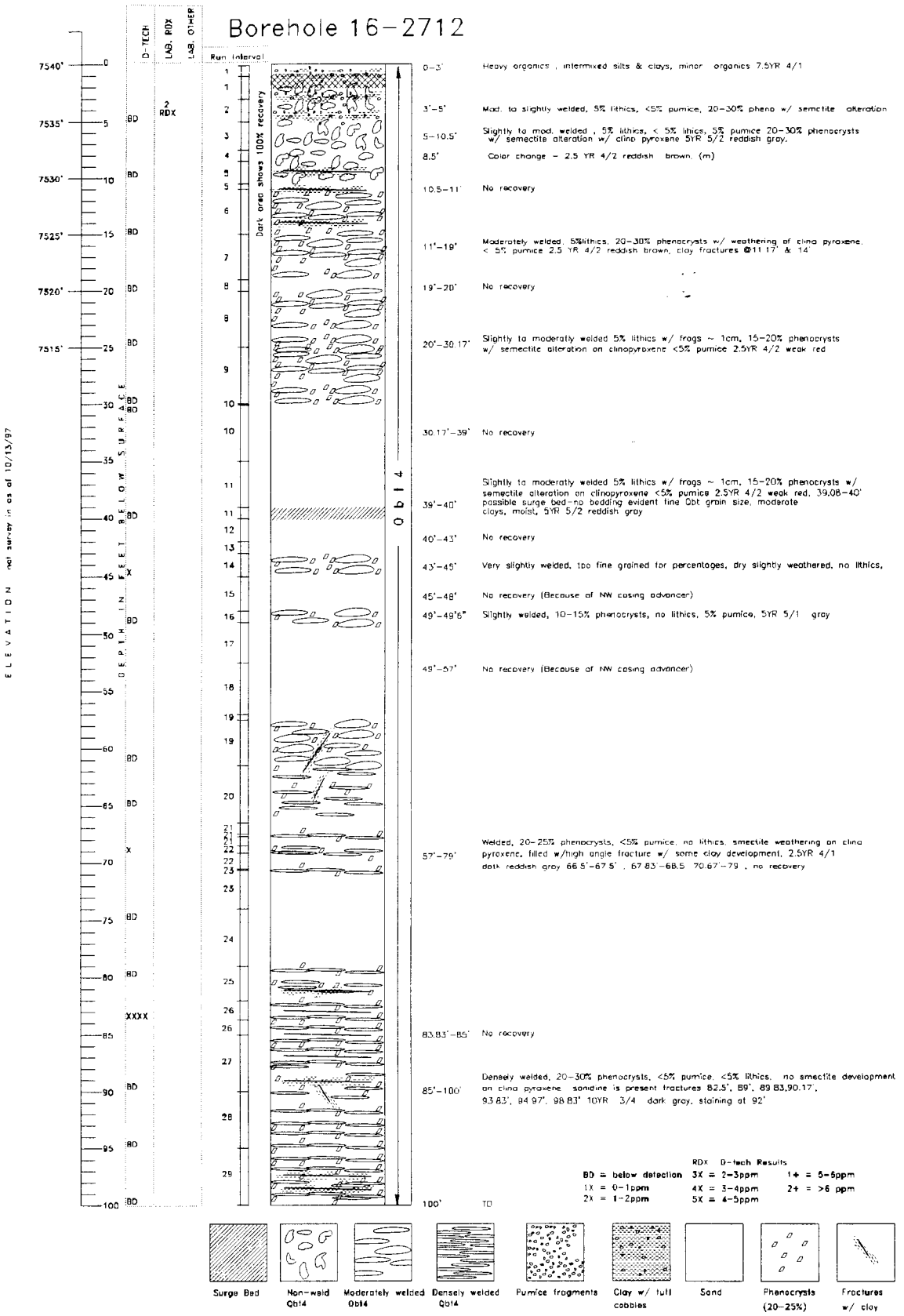
46'47' No recovery

53'-70' Slightly to mod welded, no lithes < 5%pumice 40-50% phenocrysts, ... semectite alteration on clino-pyroxene sanidine is present, 2.5YR 4/1 dark reddish gray. fractures at 57,59,61,66 w/clay, 65' w/ clay, 68' no clay.

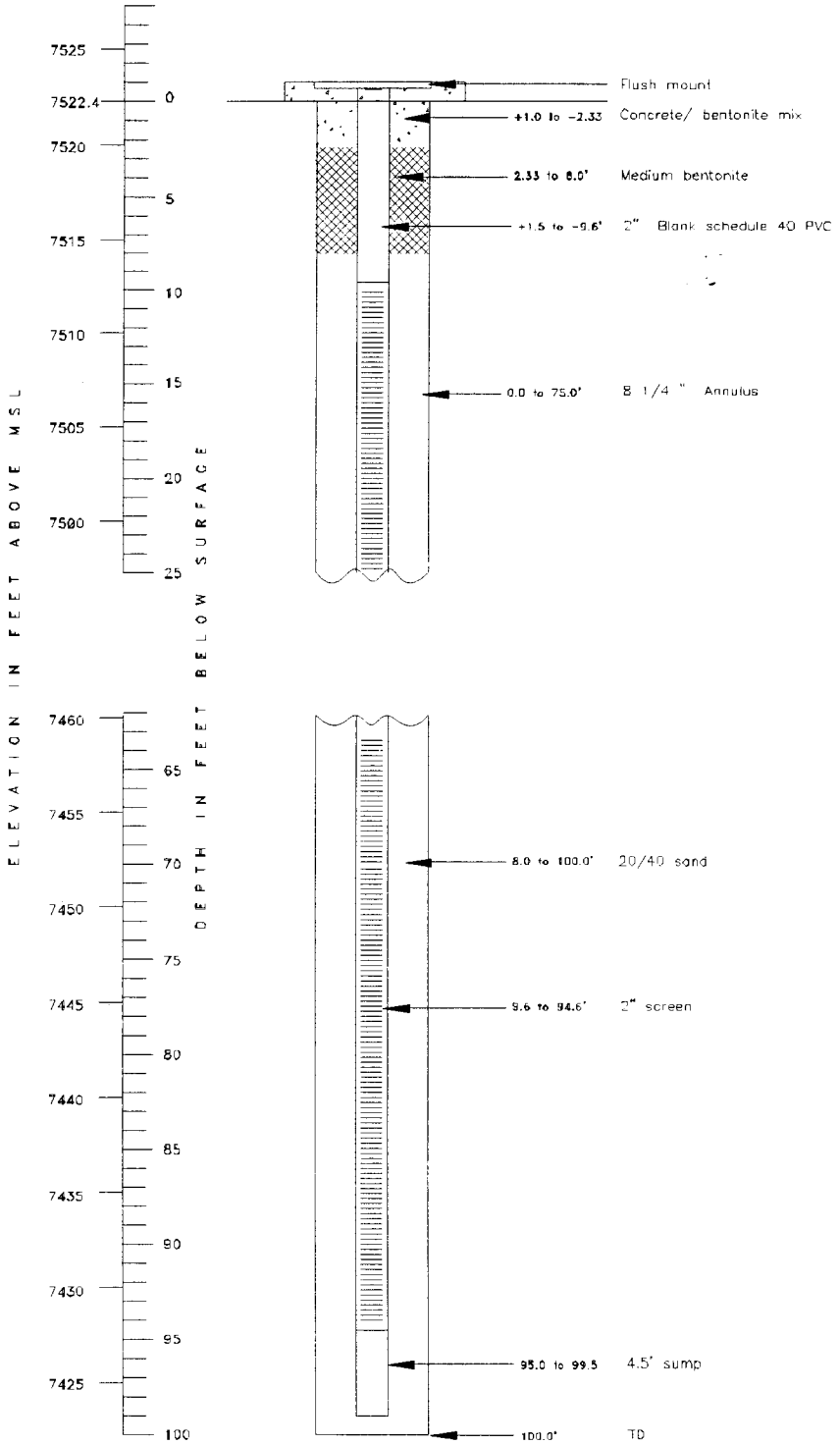
RDX D-tech results

BD = below detection	3X = 2-3ppm	1+ = 5-6ppm
1X = 0-1ppm	4X = 3-4ppm	2+ = >6 ppm
2X = 1-2ppm	5X = 4-5ppm	

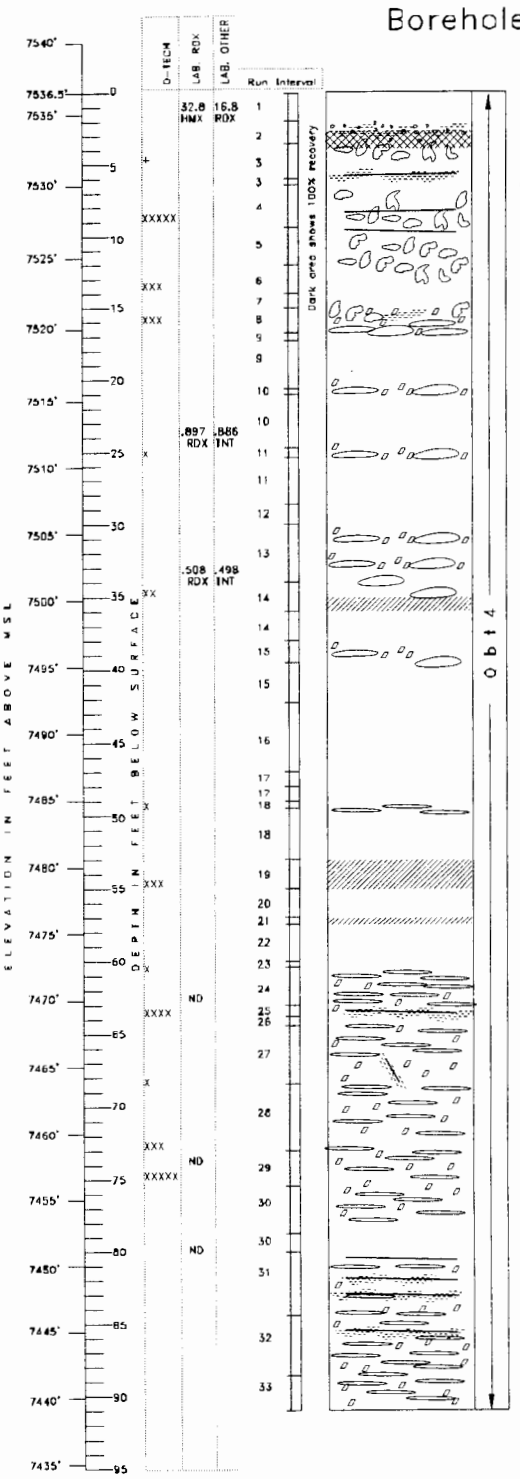



Borehole 16-2712
D-TECH
LAB. RDX
LAB. OTHER
Run Interval
Dark area shows 100% recovery
Qbt4
ELEVATION not survey in as of 10/13/97
DEPTH IN FEET BELOW SURFACE
0-3' Heavy organics , intermixed silts & clays, minor organics 7.5YR 4/1
3'-5' Mod. to slightly welded, 5% lithics, <5% pumice, 20-30% pheno w/ smectite alteration
5-10.5' Slightly to mod. welded , 5% lithics, < 5% lihics, 5% pumice 20-30% phenocrysts w/ smectite alteration w/ clino pyroxene 5YR 5/2 reddish gray.
8.5' Color change - 2.5 YR 4/2 reddish brown. (m)
10.5-11' No recovery
11'-19' Moderately welded, 5%lithics, 20-30% phenocrysts w/ weathering of clino pyroxene. < 5% pumice 2.5 YR 4/2 reddish brown, clay fractures @11.17' & 14'
19'-20' No recovery
20'-30.17' Slightly to moderatly welded 5% lithics w/ frags ~ 1cm, 15-20% phenocrysts w/ smectite alteration on clinopyroxene <5% pumice 2.5YR 4/2 weak red
30.17'-39' No recovery
39'-40' Slightly to moderatly welded 5% lithics w/ frags ~ 1cm, 15-20% phenocrysts w/ smectite alteration on clinopyroxene <5% pumice 2.5YR 4/2 weak red, 39.08-40' possible surge bed-no bedding evident fine Qbt grain size, moderate clays, moist, 5YR 5/2 reddish gray
40'-43' No recovery
43'-45' Very slightly welded, too fine grained for percentages, dry slightly weathered, no lithics,
45'-48' No recovery (Because of NW casing advancer)
49'-49'6" Slightly welded, 10-15% phenocrysts, no lithics, 5% pumice, 5YR 5/1 gray
49'-57' No recovery (Because of NW casing advancer)
57'-79' Welded, 20-25% phenocrysts, <5% pumice, no lithics, smectite weathering on clino pyroxene, filled w/high angle fracture w/ some clay development, 2.5YR 4/1 dark reddish gray 66.5'-67.5' , 67.83'-68.5' 70.67'-79 , no recovery
83.83'-85' No recovery
85'-100' Densely welded, 20-30% phenocrysts, <5% pumice, <5% lithics, no smectite development on clino pyroxene sanidine is present fractures 82.5', 89', 89.83,90.17', 93.83', 94.97', 98.83' 10YR 3/4 dark gray, staining at 92'
100' TD
RDX D-tech Results
BD = below detection
1X = 0-1ppm
2X = 1-2ppm
3X = 2-3ppm
4X = 3-4ppm
5X = 4-5ppm
1+ = 5-5ppm
2+ = >6 ppm
Surge Bed
Non-weld Qbt4
Moderately welded Qbt4
Densely welded Qbt4
Pumice fragments
Clay w/ full cobbles
Sand
Phenocrysts (20-25%)
Fractures w/ clay

Borehole 16-2712W



Borehole 16-2735

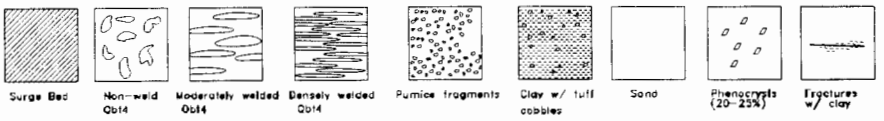


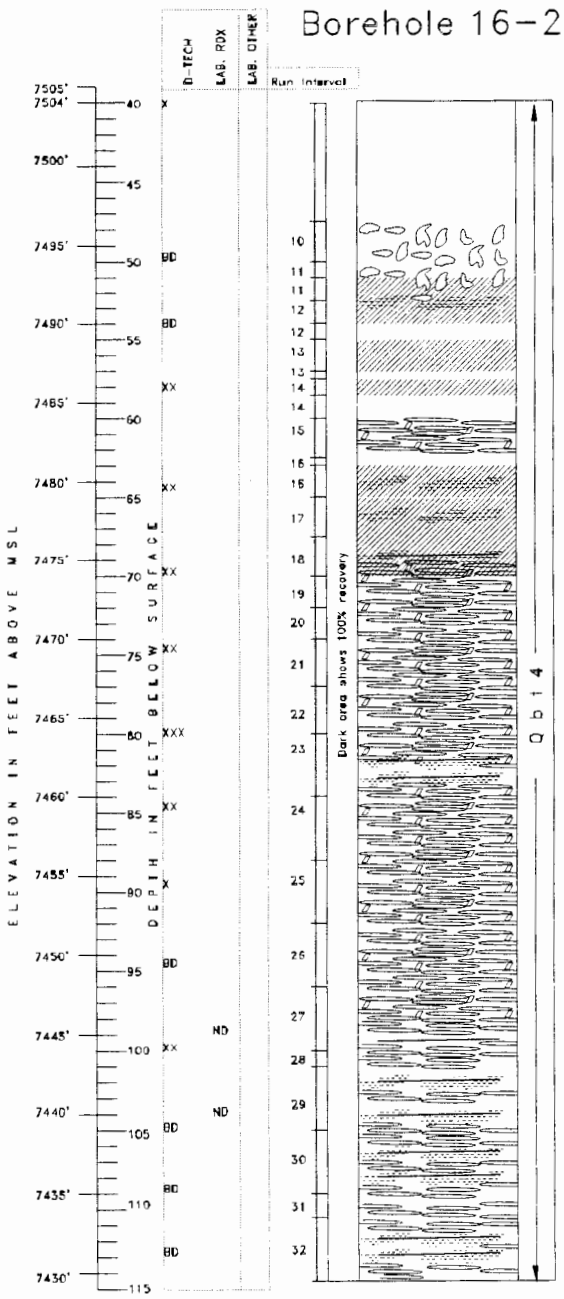
Depth	Description
0–1'6"	No recovery
1'9"–6'	Soil w/tuff cobbles(dacite) saturated w/water from drilling clay predominant, no organics 7.5YR 5/6 strong brn,soil/tuff interface @3.5' predominantly clay, some dacite gravel,7.5YR 4/1 dark gray
6'–6'6"	No recovery
6'–14'	Slightly welded, w/ fractures @8'& 9'4", 10% pumice fragments, <5% lithics, 10% phenocrysts, 2.5 YR 4/3 reddish brown, wet from drilling.
14'–14'6"	No recovery
14'6"–17'2"	Weathered, slightly to moderately welded,increase in phenocrysts.20–30%. 5% lithics. 5% pumice 2.5 YR 4/3 reddish brown, wet from drilling.
17'2"–20'8"	No recovery
20'8"–21'	Minor to no weathering, welded, 20–25% phenocrysts, 5% lithics, 5% pumice, 2.5YR 5/1 reddish gray
21'–24'8"	No recovery
24'8"–25'4"	Minor to no weathering, welded, 20–25% phenocrysts, 5% lithics, 5% pumice, 2.5YR 5/1 reddish gray
25'4"–28'8"	No recovery
30'–36'	Mod. welded, 20–25% phenocrysts,<5% lithics, 5% pumice, 2.5YR 5/1 reddish gray Surge bed 35'–36' sandy, minor clays.
36'–38'	No recovery
38'–39'6"	Slight to mod. welded, 15–20% phenocrysts,<5% lithics, 5% pumice, 10YR 5/2 grayish brown.
39'6"–49'	No recovery
49'–49'6"	Densely welded, 10–15% phenocrysts,<5% lithics, 5% pumice, 10YR 3/2 dark brn.
49'6"–53'	No recovery
53'–55'	Slough 53–53'6". Surge bed 53'6", sandy texture , alteration, pyroclastic. 53'–6"–53'8" 10YR 5/4 yellowish brn, 53'8"–54'2" 2.5YR 6/1 reddish gray, 54'2"–55' 10YR 5/4 yellowish brown
55'–57'	No recovery
57'–57'6"	Surge bed, sandy 10YR 5/4 yellowish brown
57'6"–60'	No recovery
60'–78'10"	Welded, 20–25% phenocrysts, <5% pumice, <5% lithics, smectite weathering on 5% clino pyroxene. high angle fracture from 67'–68'4" w/ some clay development, moist from drilling. 60'–63'10YR 5/1 reddish gray, 63'–63'10" 10YR 5/2 weak red. 63'10" –78'10", 10YR 4/1 dark reddish gray.
78'10"–80'5"	No recovery
80'5"–91'	Densely welded, 20–25% phenocrysts, <5% pumice, <5% lithics, smectite development on clino pyroxene. fractures 80'11'–81'1", 82'3"–82'6",82'6"–84' 10YR 4/1 dark gray, color change @ 89'6" to 2.5YR 4/1 dark reddish gray
91'	TD

RDX D-tech results

BD = below detection 3X = 2–3ppm 1+ = 5–6ppm
1X = 0–1ppm 4X = 3–4ppm 2+ = >6ppm
2X = 1–2ppm 5X = 4–5ppm

PRS 16-021(c)
FU # 3
ICF Kaiser



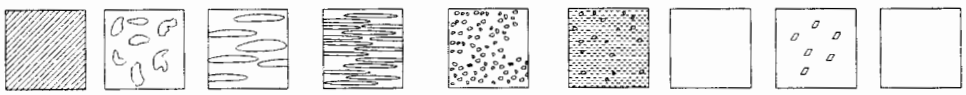


47.5–50'	Semi welded , 5–10% pumice , 5% phenocrysts, < 5% lithics, some alteration, slightly moist, 10YR 7/1 light gray
50–51'	No recovery
51–54'	Surge bed material & sandy , distinct bedding clay development, 10YR 6/3 light brown color change at 52.5–54' 10YR 7/2 light gray
54–55'	No recovery
55–60'	Surge bed material & sandy , distinct bedding clay development. 10YR 7/2light brown
57–57.5'	No recovery
58.5–60'	No recovery
60–62.5'	Densely welded, 15% phenocrysts, no pumice , no lithics, 5YR 5/1 gray
62.5–63'	No recovery
65–60'	Surge bed material, excellent clay bedding, apparent weathering, 10YR 6/3 pale brown
67.5–114.5'	Mod to densely welded. 15% phenocrysts,< 5% devitrified pumice. <5% lithics, sanidine is present starting at 72.75'(2.5YR 4/2), color change at 75.1' (7.5YR 4/1 dark gray) fractures w/ clay devolpment occuring at 82', 83.10', 87', 99.8', 102',103',104',105',106', 108',109', 112' & 113'
90'–92'	Color change to 7.5YR 5/1 gray
114.6'	TD

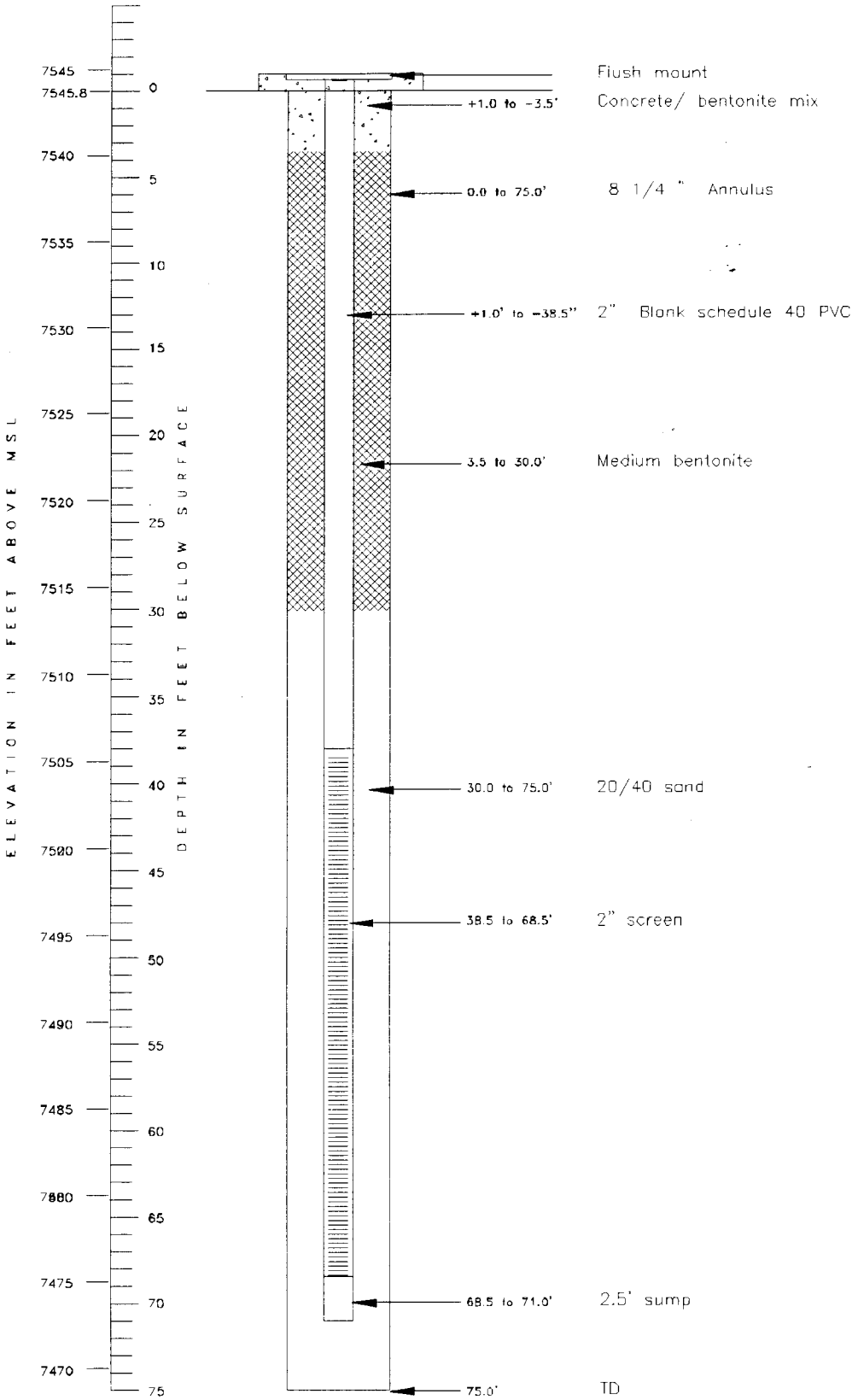
RDX D-tech results

BD = below detection
1X = 0–1ppm
2X = 1–2ppm
3X = 2–3ppm
4X = 3–4ppm
5X = 4–5ppm
1+ = 5–6ppm
2+ = >6ppm

PRS 16-021(c)
FU # 3
ICF Kaiser



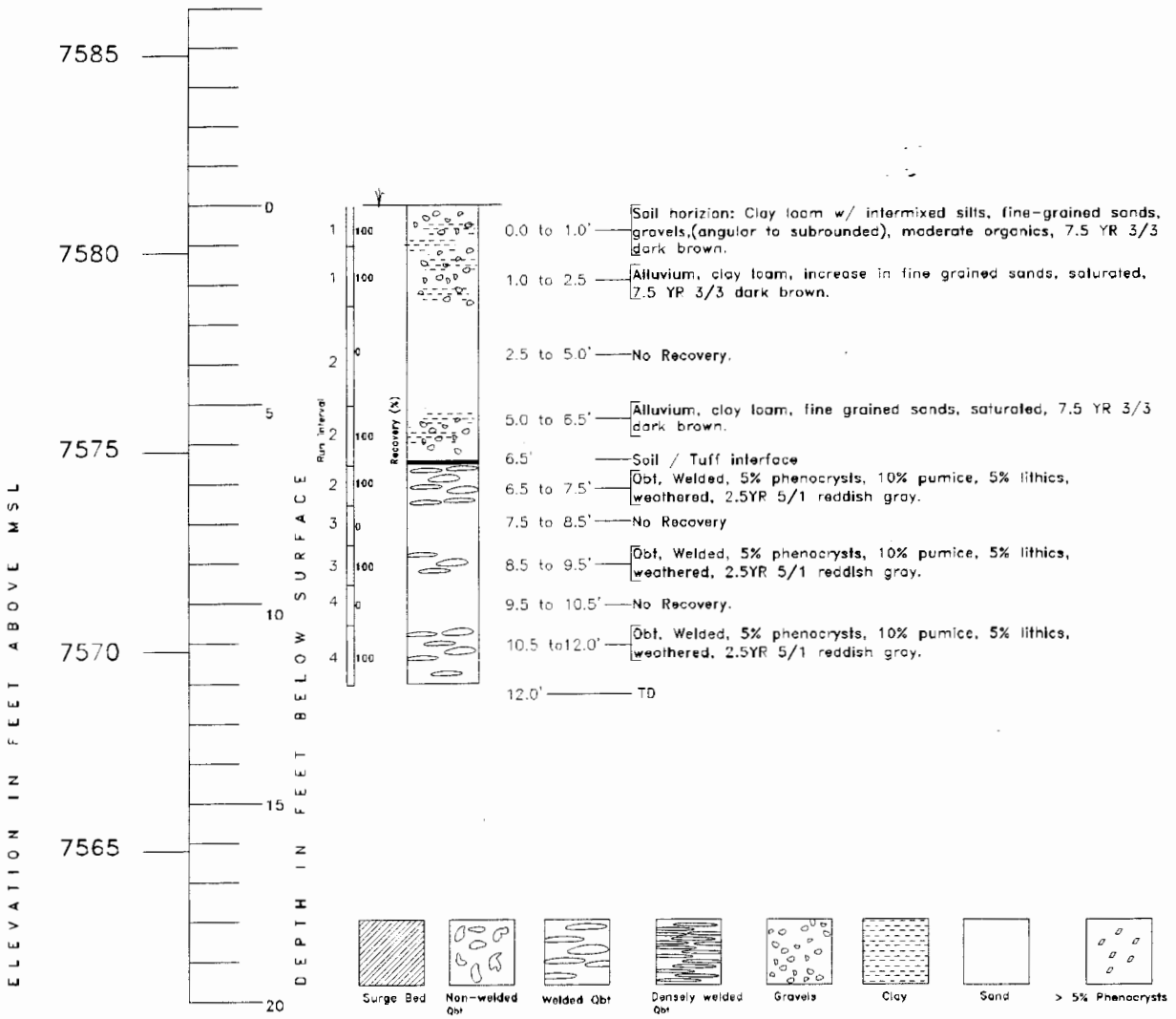
Borehole 16-2736W



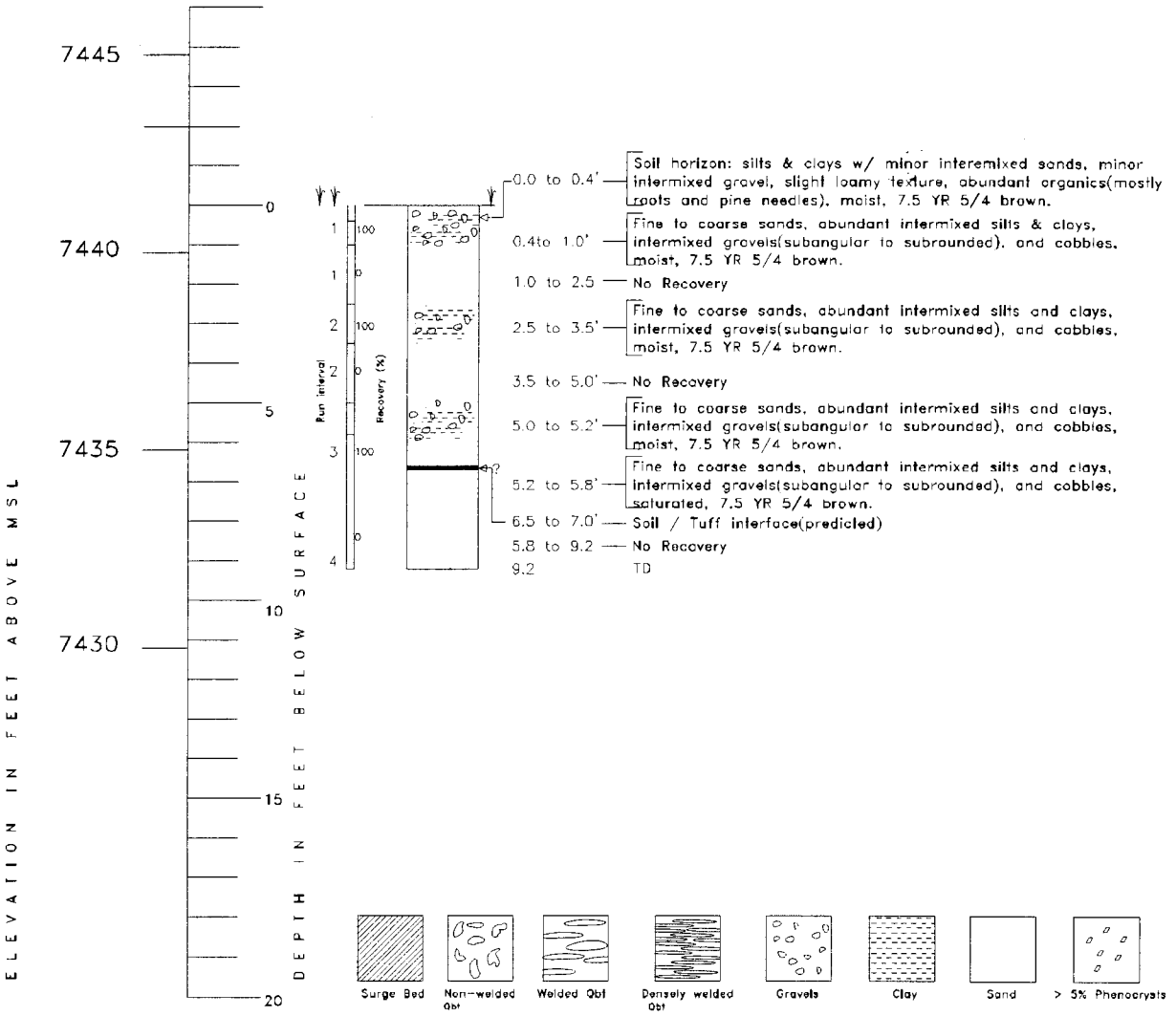
G-5.2 Alluvial System

Following are the figures for alluvial system boreholes 16-2655, 16-2656, 16-2657, 16-2658, 16-2659, and 16-2660. Note that borehole 16-2660 was not logged; only a completion record was created for this borehole.

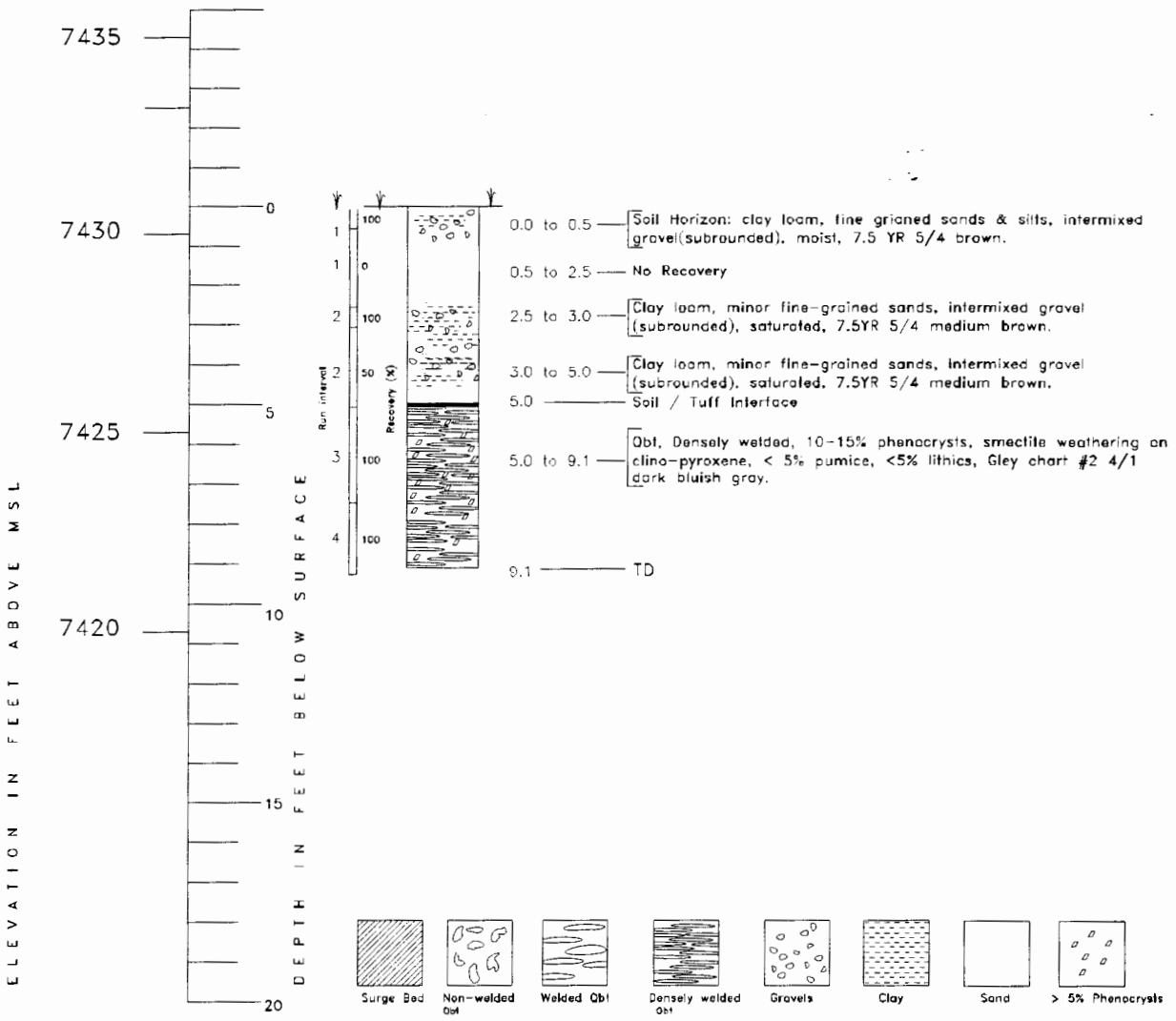
Borehole 16-2655



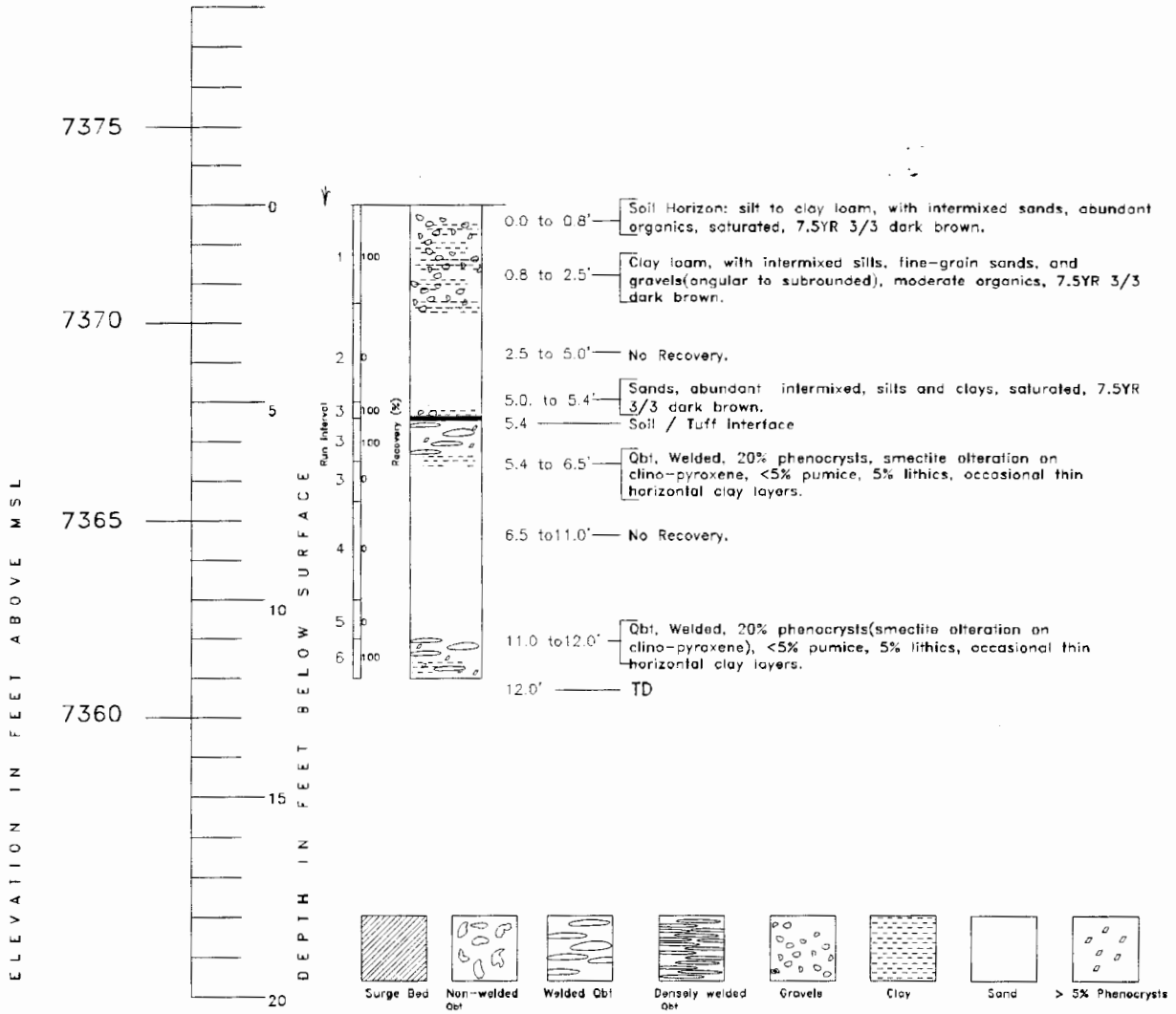
Borehole 16-2656



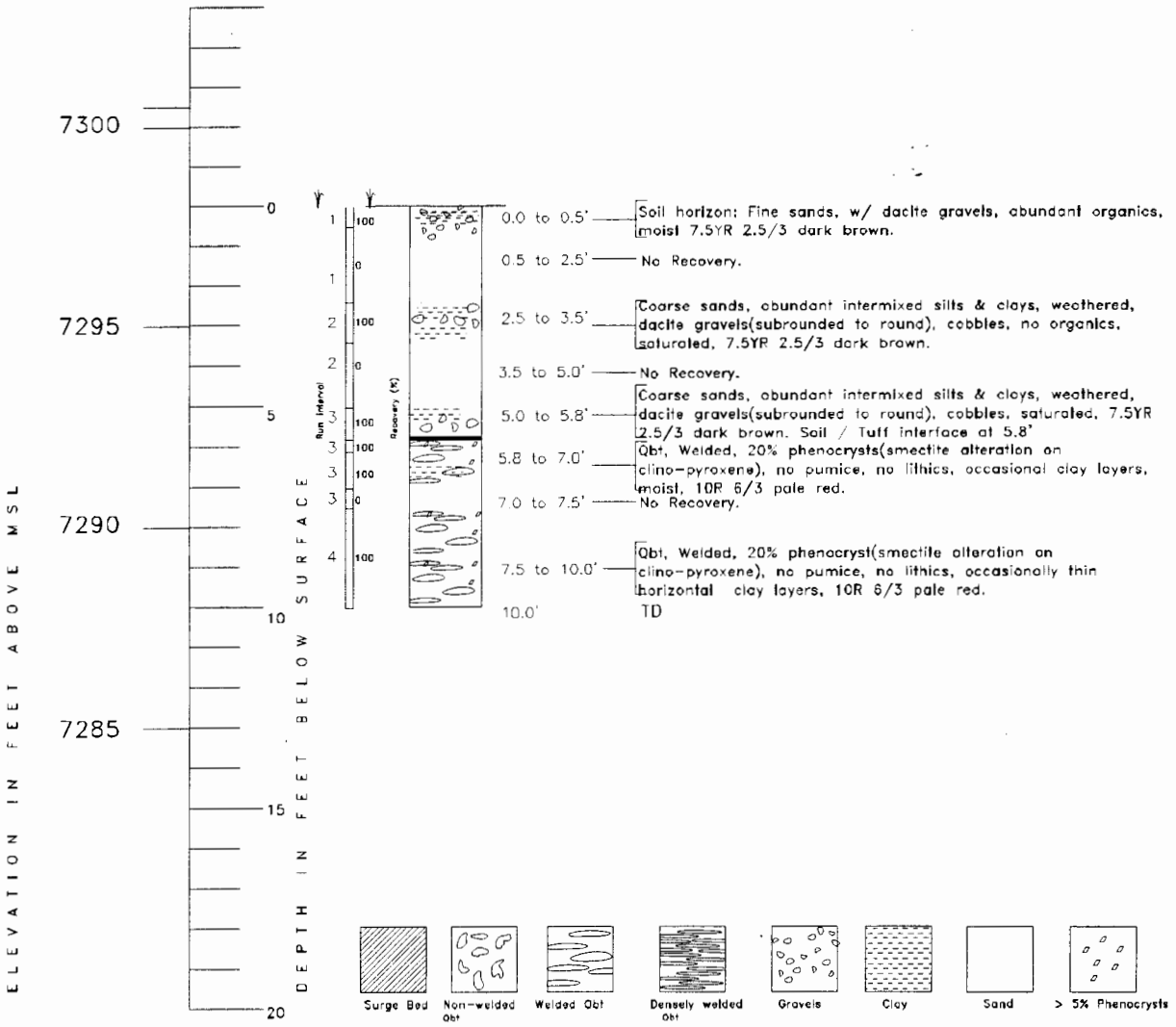
Borehole 16-2657



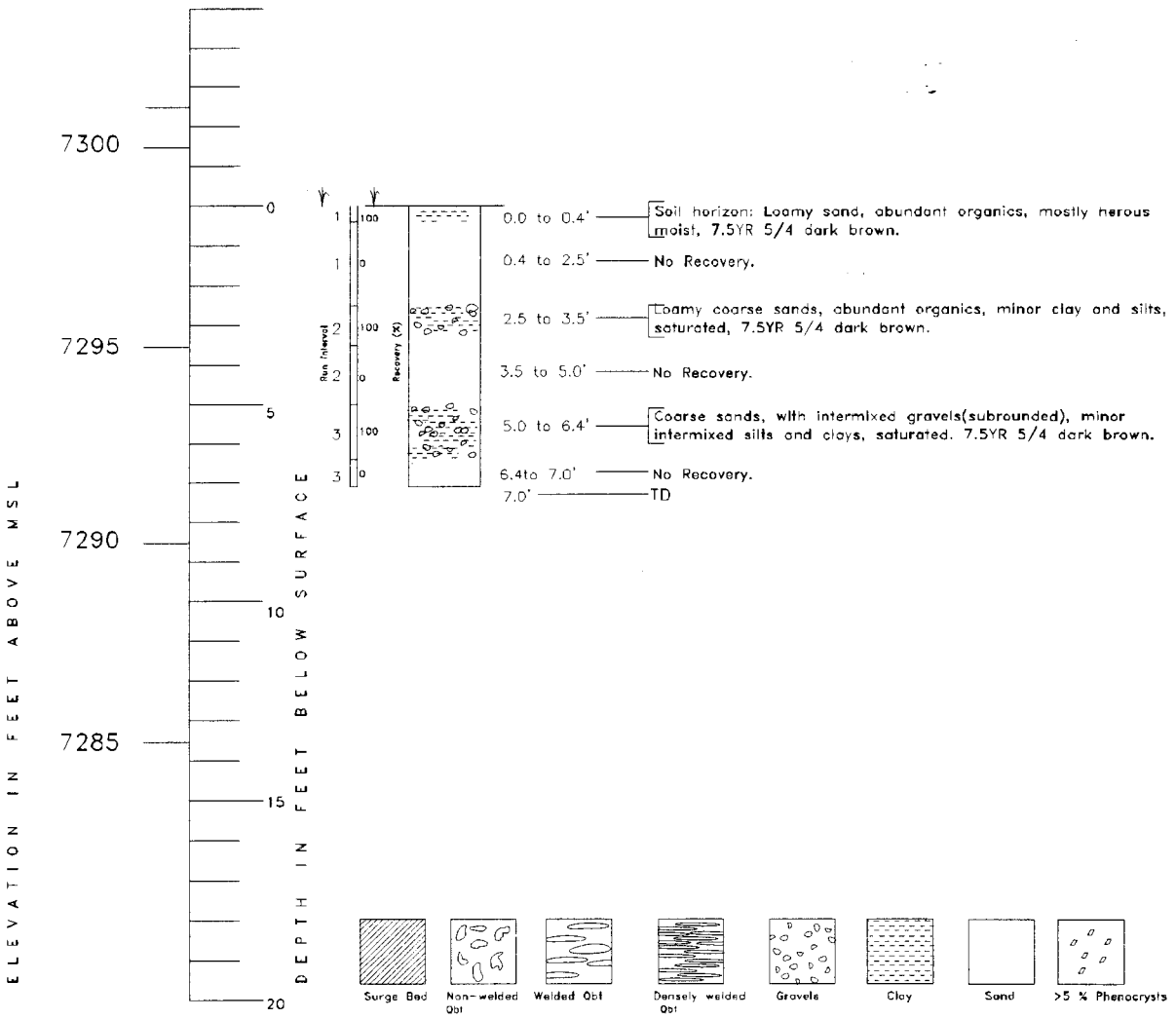
Borehole 16-2658



Borehole 16-2659



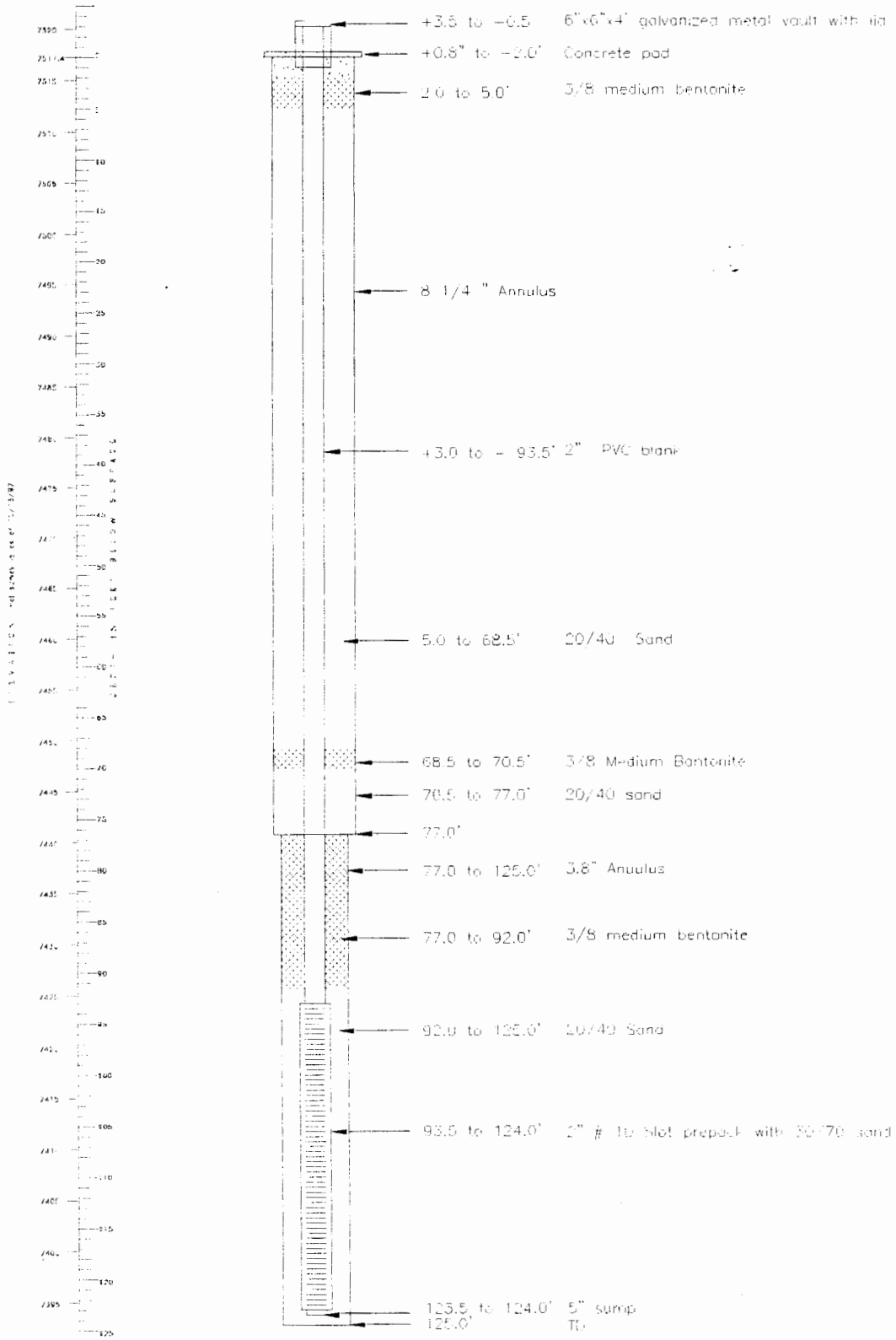
Borehole 16-2660



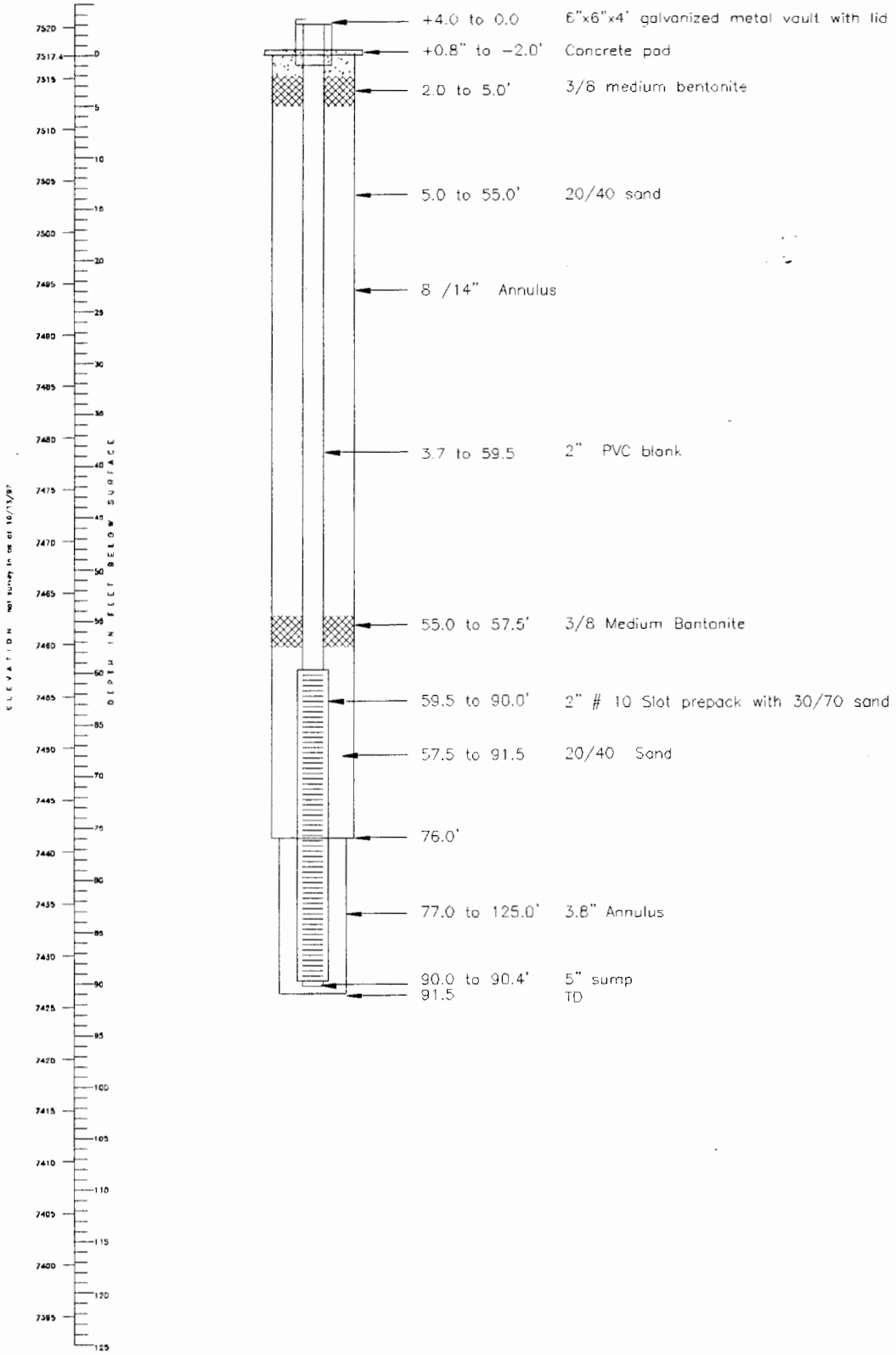
G-5.3 Subsurface

Following are the well completion logs for intermediate-depth boreholes 16-2665W, 16-2666W, 16-2667W, 16-2668W, and 16-2669W. Core logs for the intermediate-depth boreholes are presented in Section G-5.4 below. Note that borehole 16-2666 was not core logged; only a well completion record was created for this borehole.

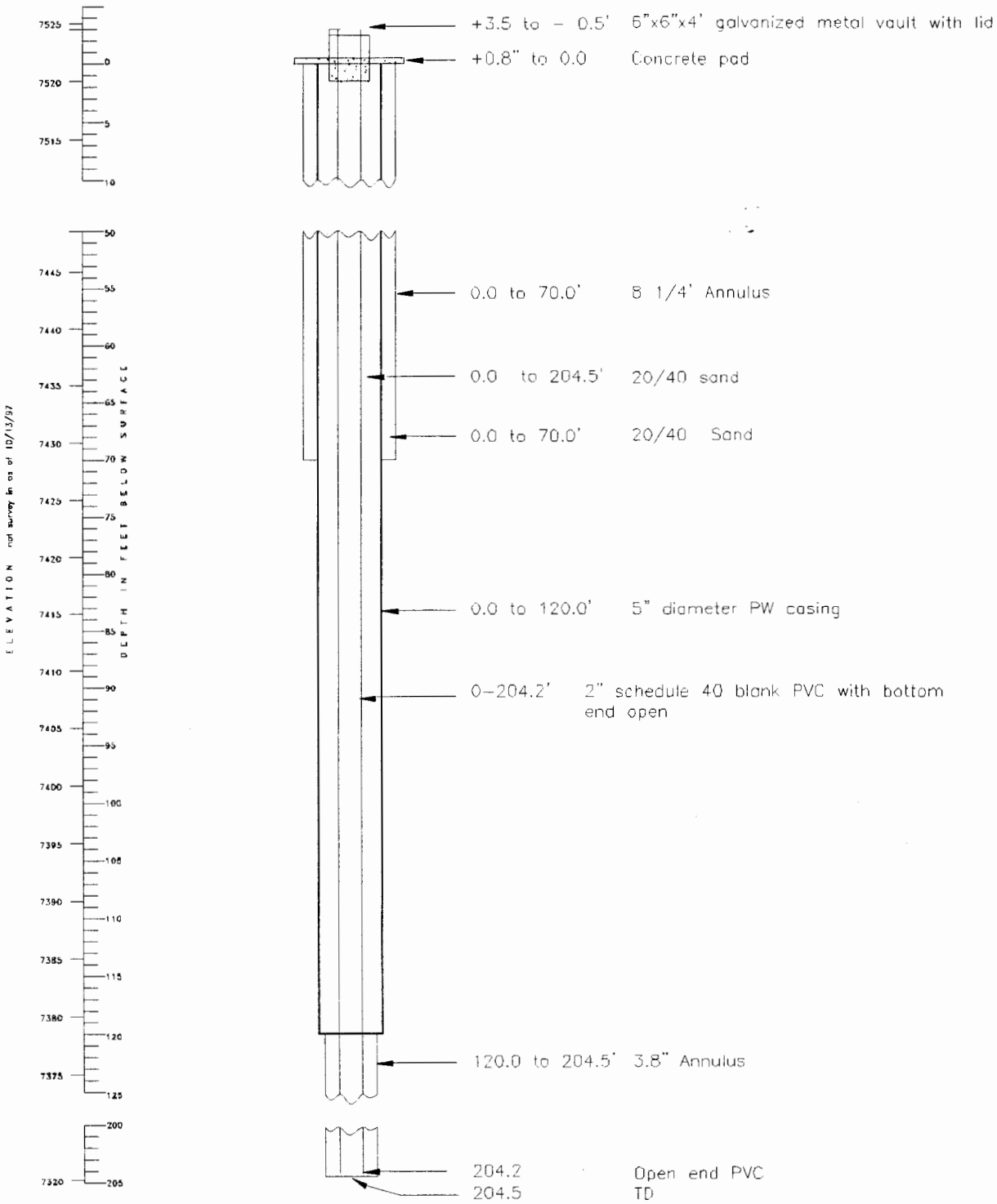
Borehole 16-2665W



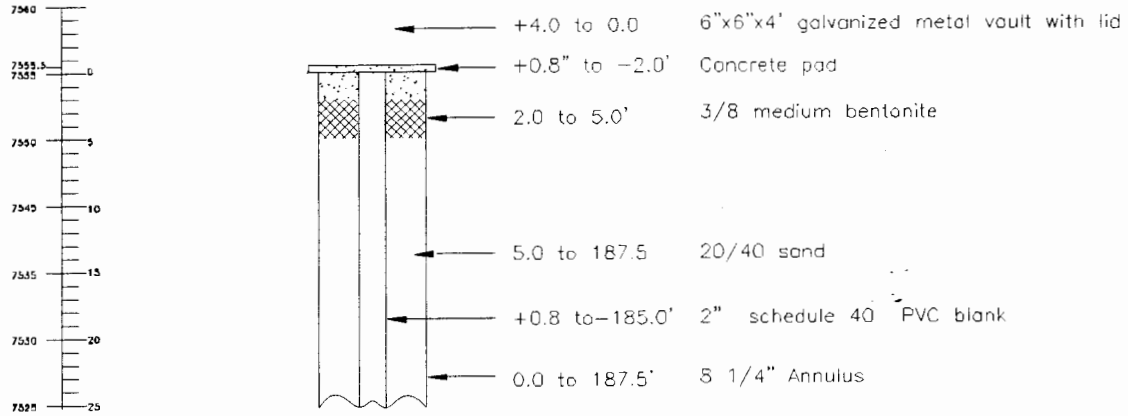
Borehole 16-2666W

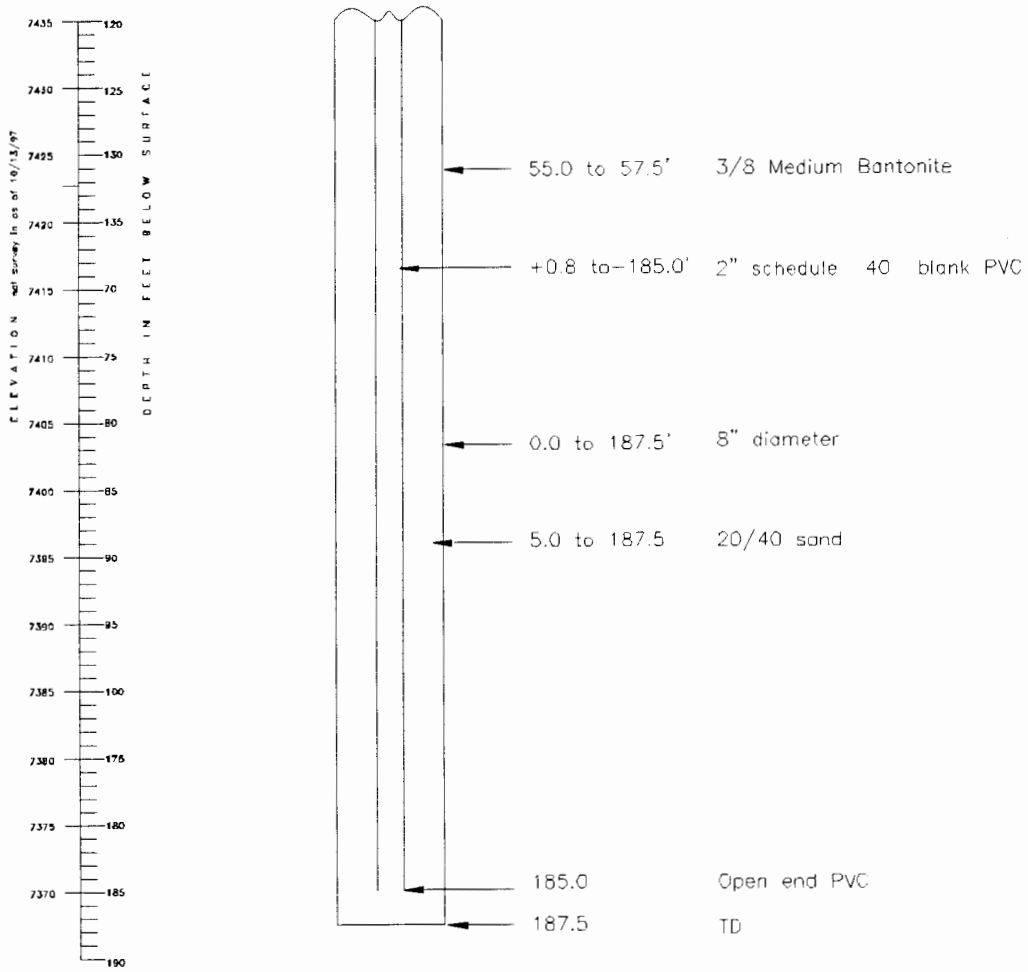


Borehole 16-2667W

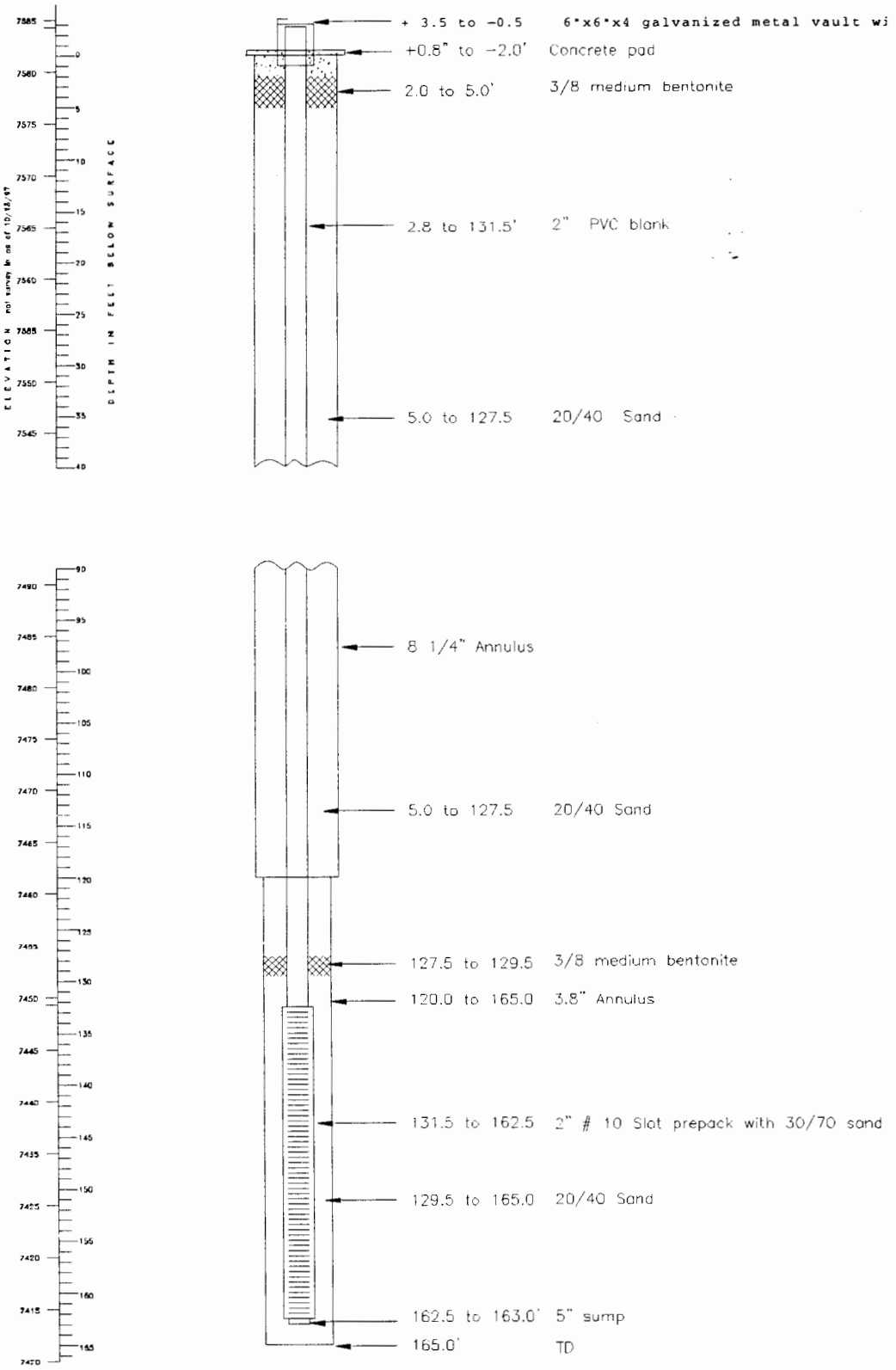


Borehole 16-2668W





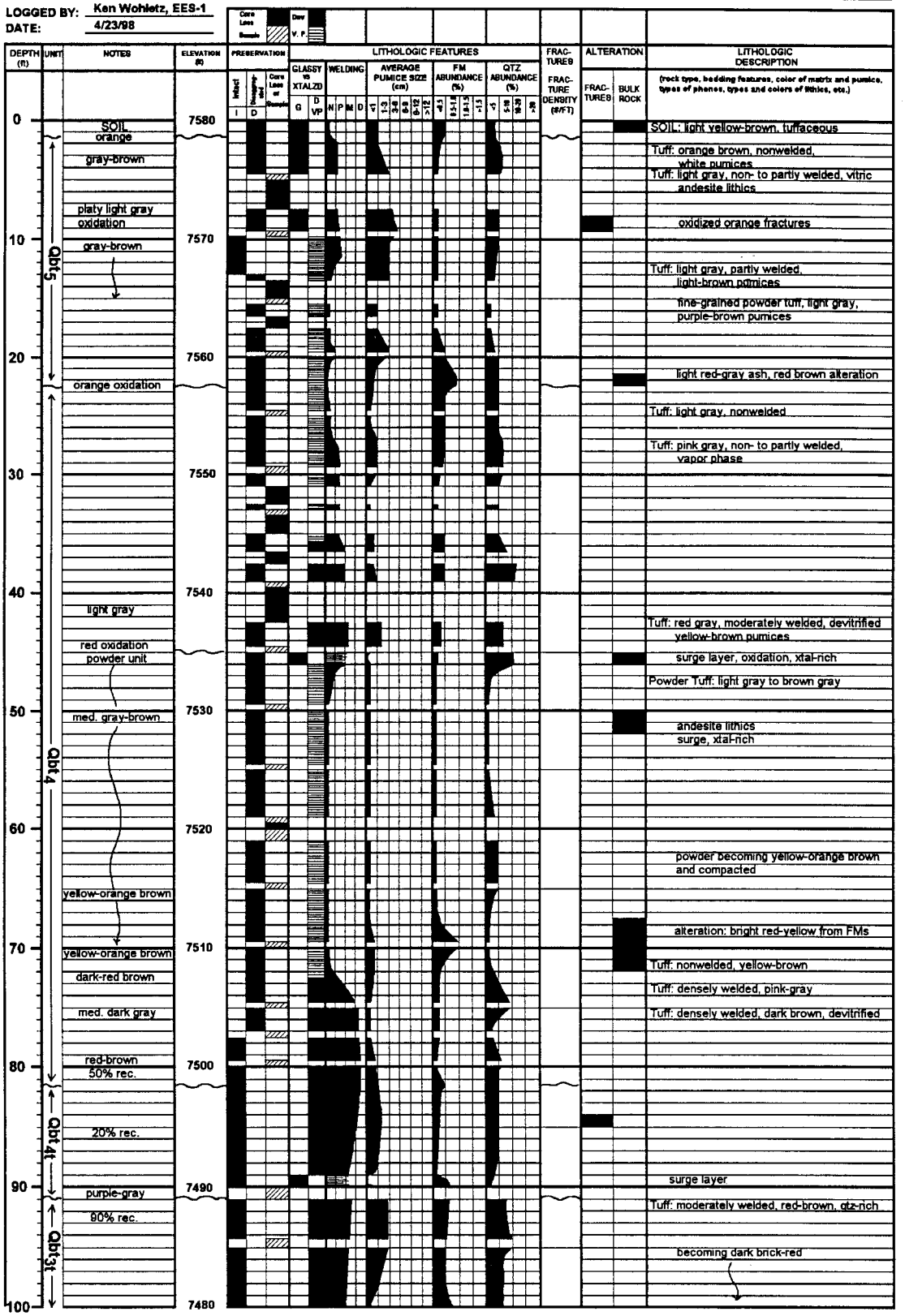
Borehole 16-2669W



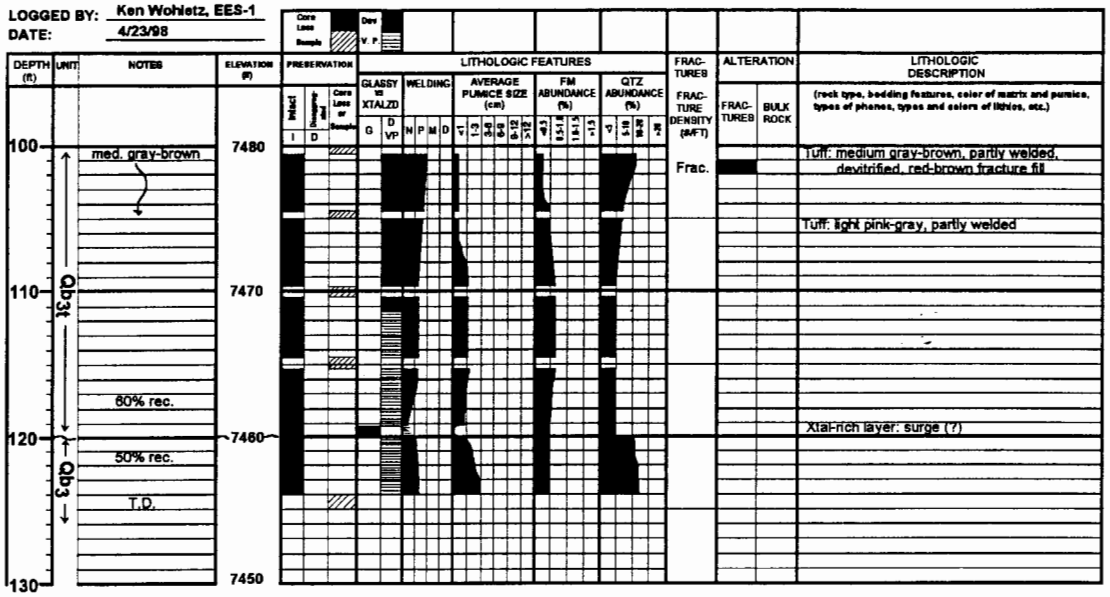
G-5.4 Detailed Core Logs

The following are detailed geologic core logs for boreholes 16-2665, 16-2667, 16-2668, 16-2669, 16-2701, 16-2702, 16-2703, 16-2704, 16-2706, 16-2708/16-2736, 16-2709, 16-2711, 16-2712, and 16-2735.

DRILL HOLE: 16-2665 PAGE 1 OF 2
LOCATION: TA-16, 260 Outfall
LOGGED BY: Ken Wohletz, EES-1
DATE: 4/23/98

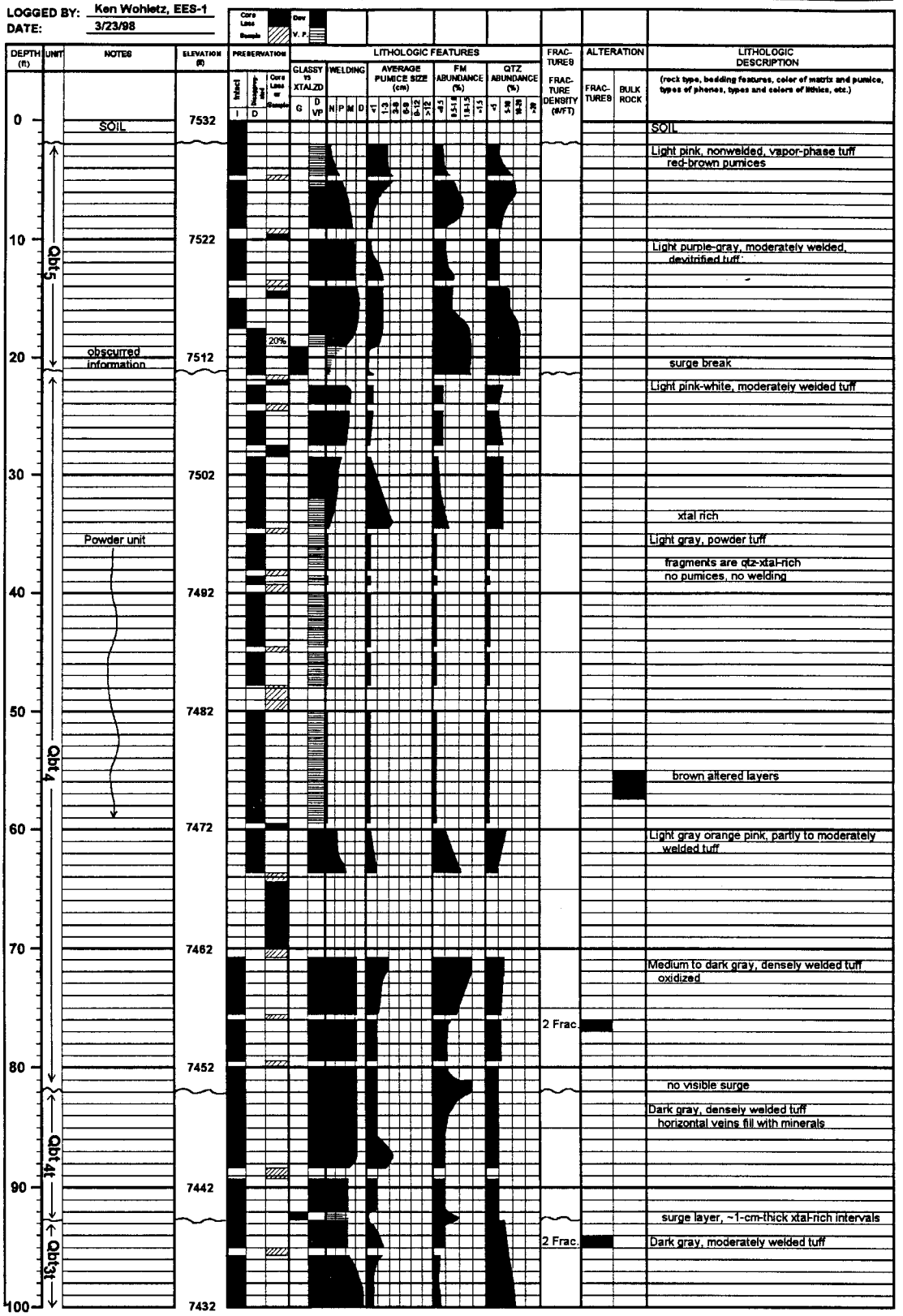


DRILL HOLE: 16-2665 PAGE 2 OF 2
LOCATION: TA-16, 260 Outfall
LOGGED BY: Ken Wohletz, EES-1
DATE: 4/23/98



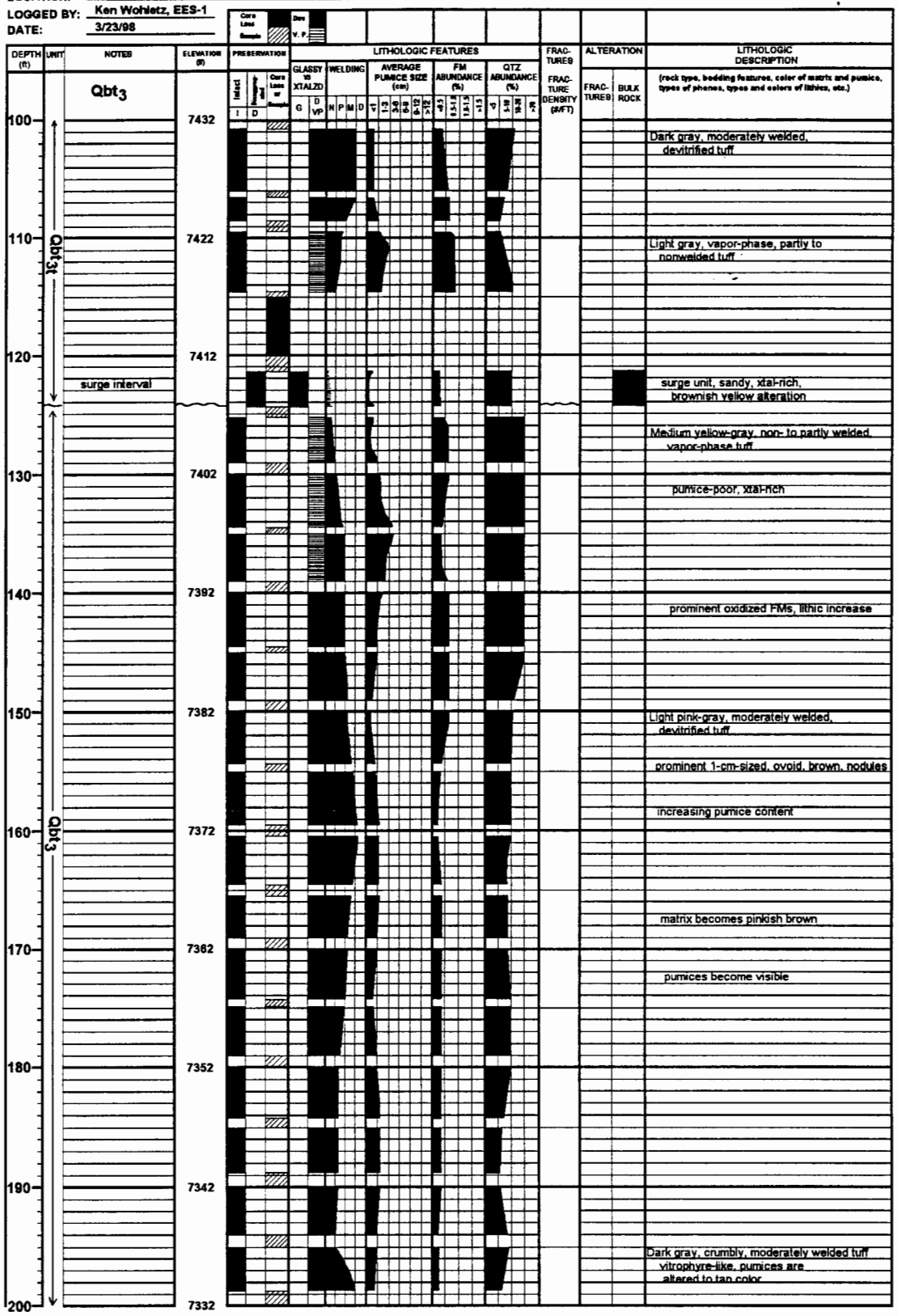
DRILL HOLE: 16-2667
LOCATION: TA-16, 260 Outfall
LOGGED BY: Ken Wohletz, EES-1
DATE: 3/23/98

PAGE 1 OF 3



DRILL HOLE: 16-2667
LOCATION: TA-16, 260 Outfall
LOGGED BY: Ken Wohletz, EES-1
DATE: 3/23/98

PAGE 2 OF 3

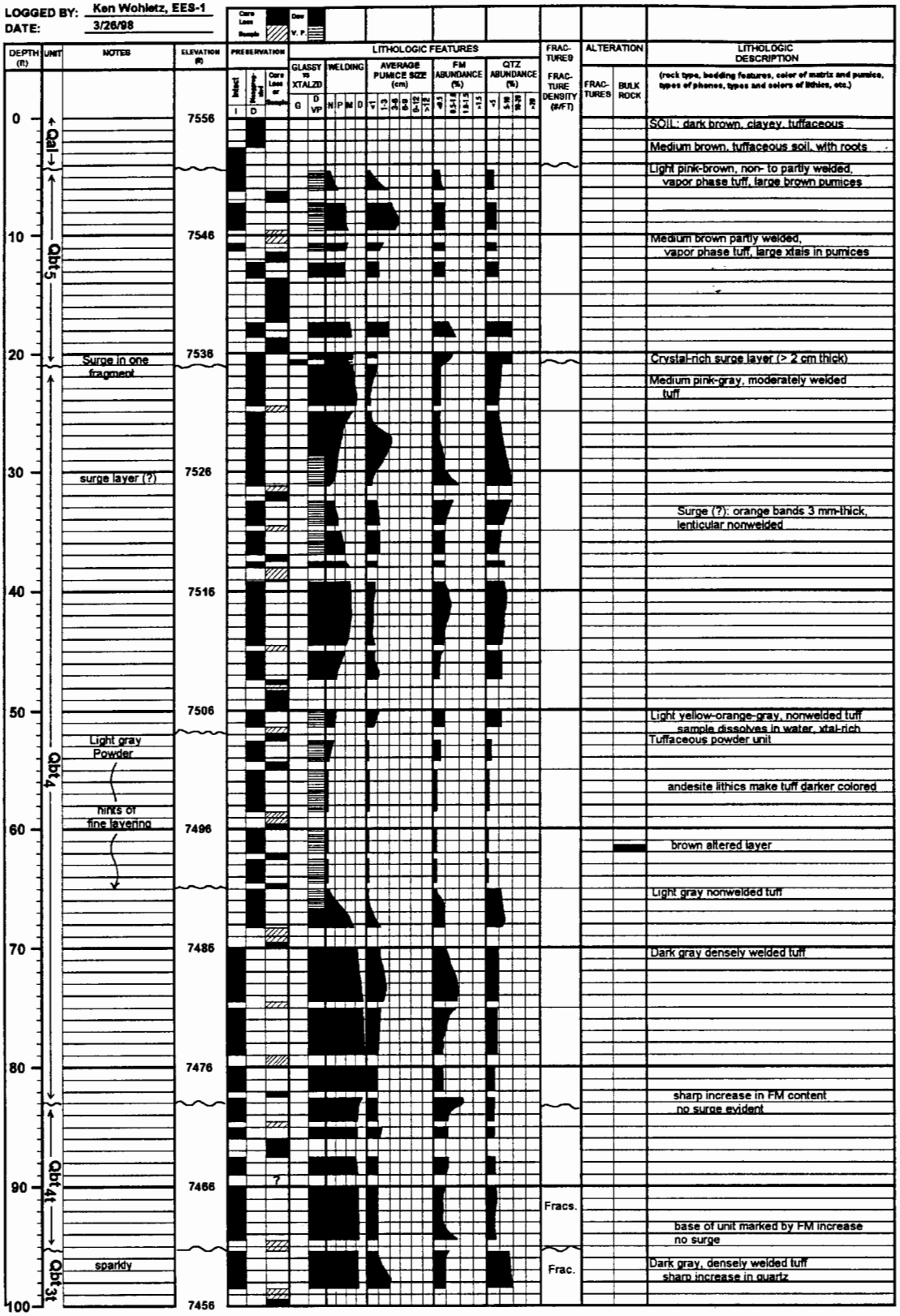


DRILL HOLE: 16-2667 PAGE 3 OF 3
LOCATION: TA-16, 260 Outfall
LOGGED BY: Ken Wohletz, EES-1
DATE: 3/23/98

Core Loss / Sample / Dev / V. P

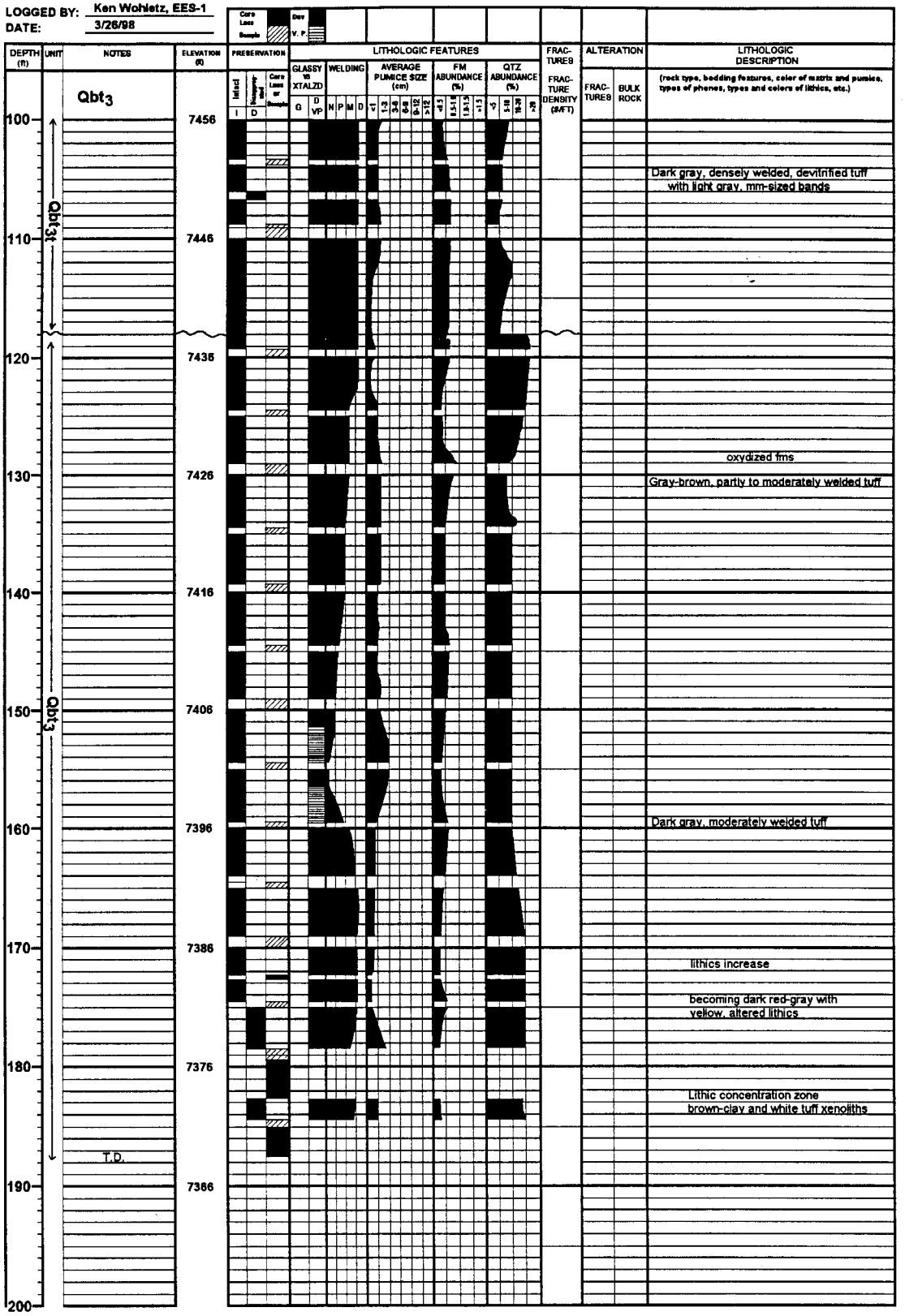
DEPTH (ft)	UNIT	NOTES	ELEVATION (ft)	PRESERVATION: Intact (I)	PRESERVATION: Disturbed (D)	PRESERVATION: Core Loss or Sample	LITHOLOGIC FEATURES: GLASSY vs XTALZD: G	GLASSY vs XTALZD: D VP	WELDING: N	WELDING: P	WELDING: M	WELDING: D	AVERAGE PUMICE SIZE (cm): <1	1-3	3-6	6-8	8-12	>12	FM ABUNDANCE (%): <0.5	0.5-1.0	1.0-1.5	>1.5	QTZ ABUNDANCE (%): <1	1-10	10-20	>20	FRACTURE DENSITY (#/FT)	ALTERATION: FRACTURES	ALTERATION: BULK ROCK	LITHOLOGIC DESCRIPTION (rock type, bedding features, color of matrix and pumice, types of phenos, types and colors of lithics, etc.)
200	← Qbt3 →		7332																											Dark gray, crumbly, welded tuff vitrophyre-like, pumices are altered to tan color
		T.D.																												
210			7322																											
220			7312																											

DRILL HOLE: 16-2668 PAGE 1 OF 2
LOCATION: TA-16, 260 Outfall
LOGGED BY: Ken Wohletz, EES-1
DATE: 3/26/98

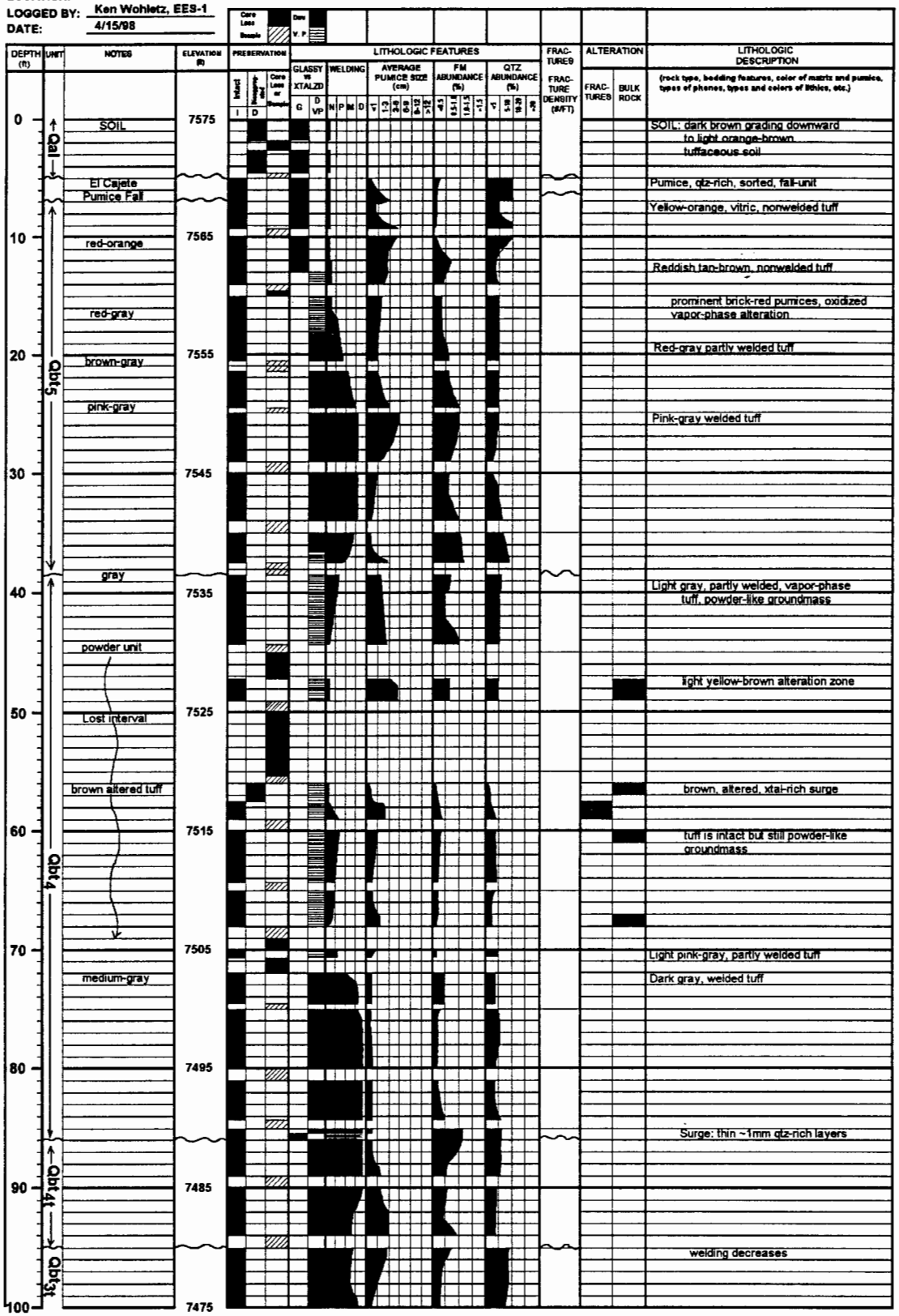


DRILL HOLE: 16-2668
LOCATION: TA-16, 260 Outfall
LOGGED BY: Ken Wohletz, EES-1
DATE: 3/26/98

PAGE 2 OF 2

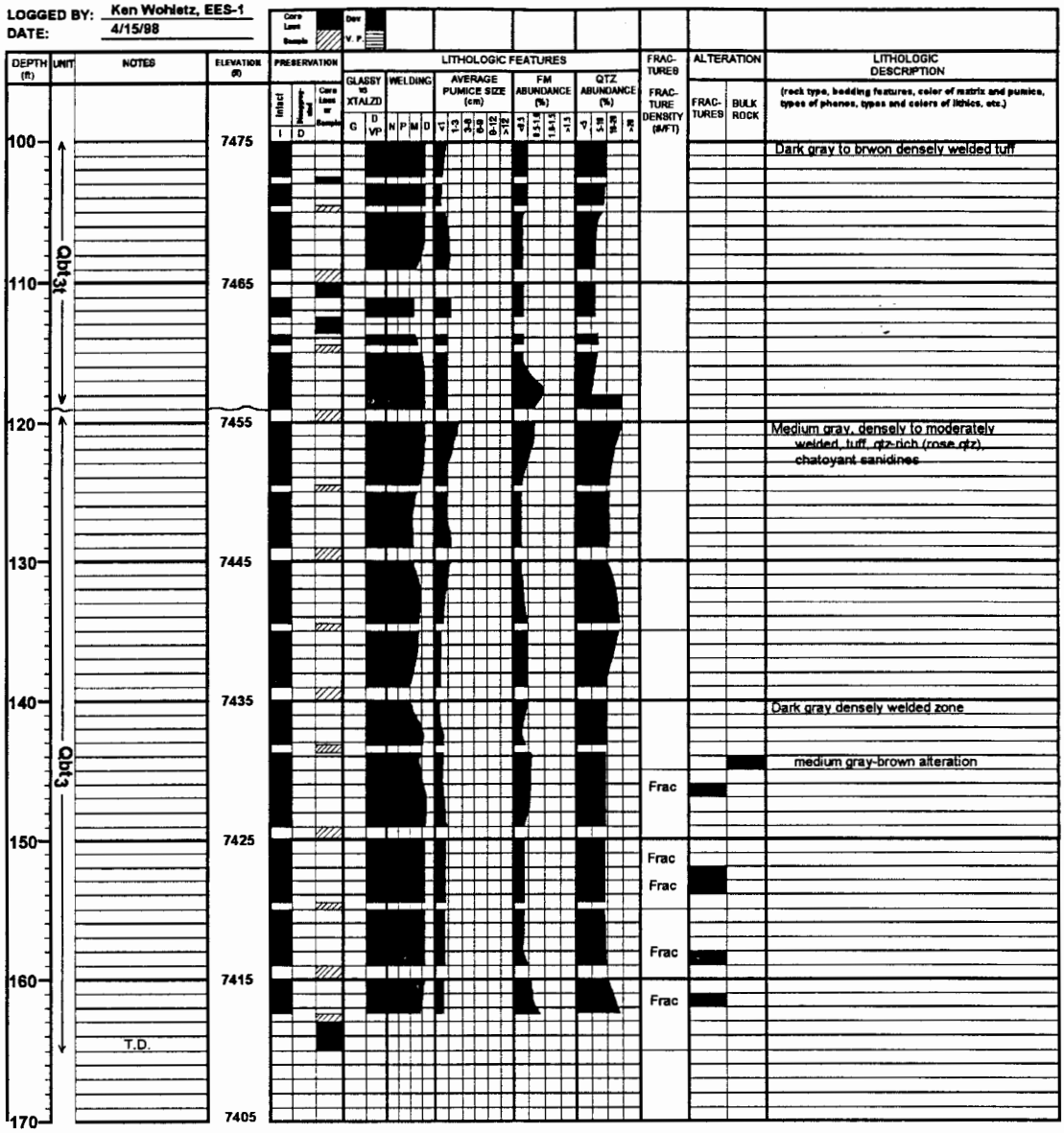


DRILL HOLE: 16-2669 PAGE 1 OF 2
LOCATION: TA-16, 260 Outfall
LOGGED BY: Ken Wohletz, EES-1
DATE: 4/15/98

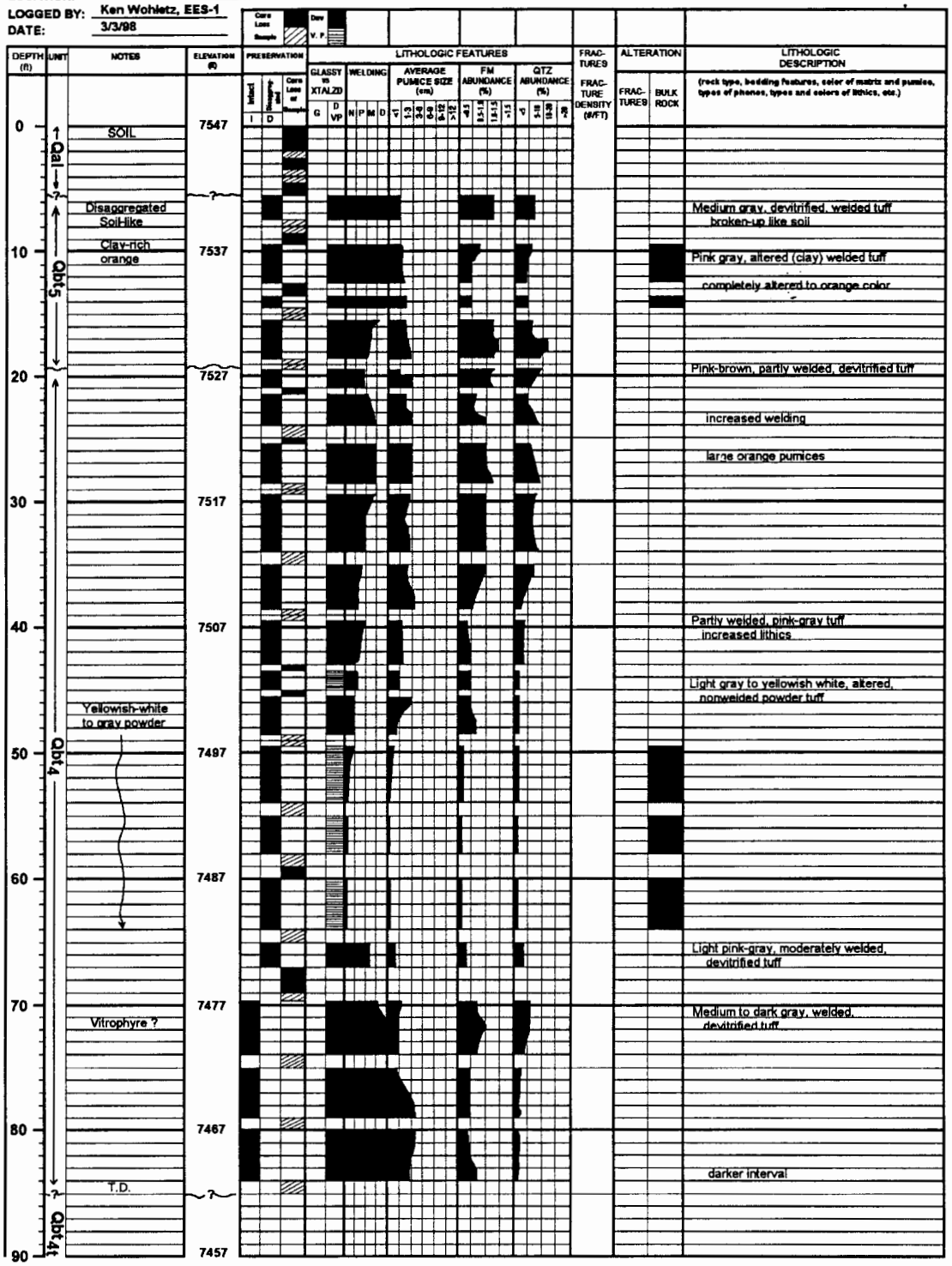


DRILL HOLE: 16-2669
LOCATION: TA-16, 260 Outfall
LOGGED BY: Ken Wohletz, EES-1
DATE: 4/15/98

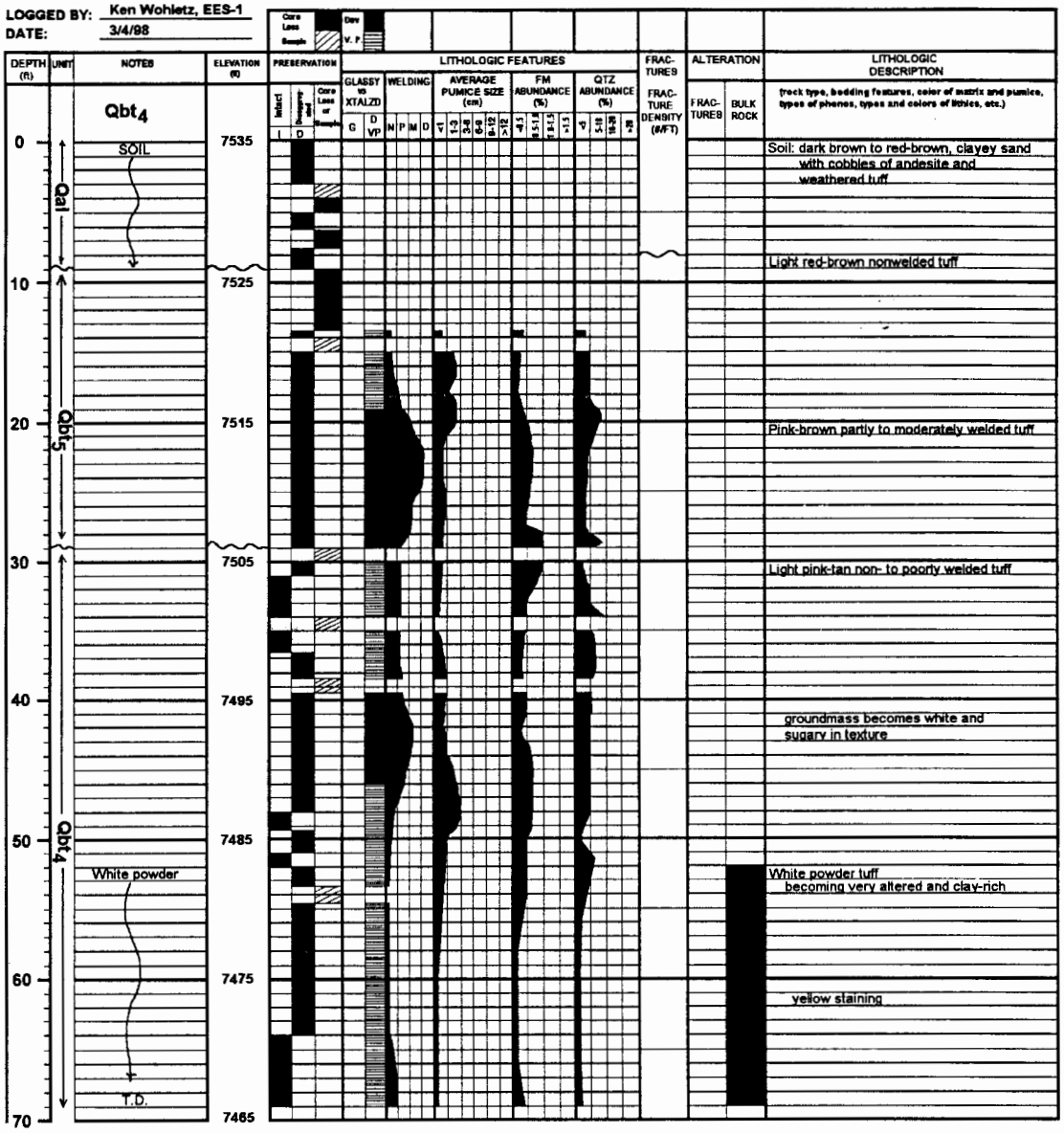
PAGE 2 OF 2



DRILL HOLE: 16-2701 PAGE 1 OF 1
LOCATION: TA-16, 260 Outfall
LOGGED BY: Ken Wohletz, EES-1
DATE: 3/3/98

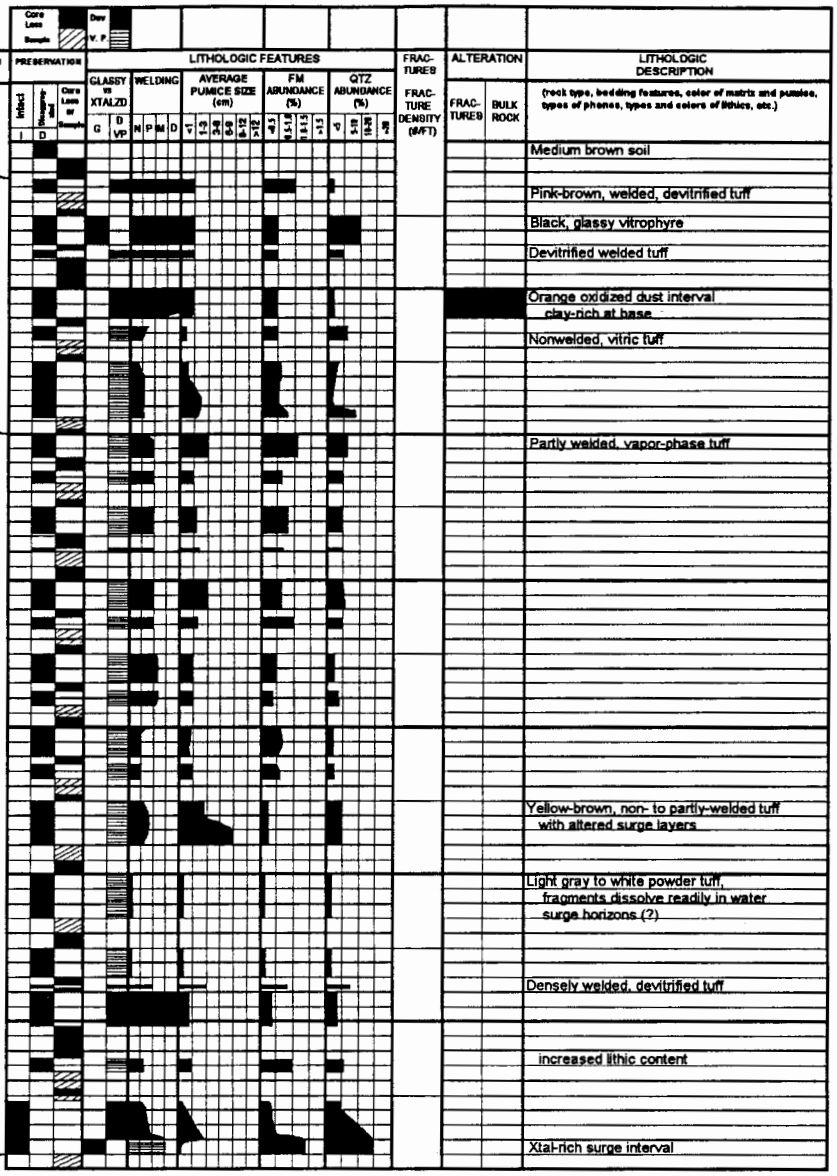


DRILL HOLE: 16-2702 PAGE 1 OF 1
LOCATION: TA-16, 260 Outfall
LOGGED BY: Ken Wohletz, EES-1
DATE: 3/4/98



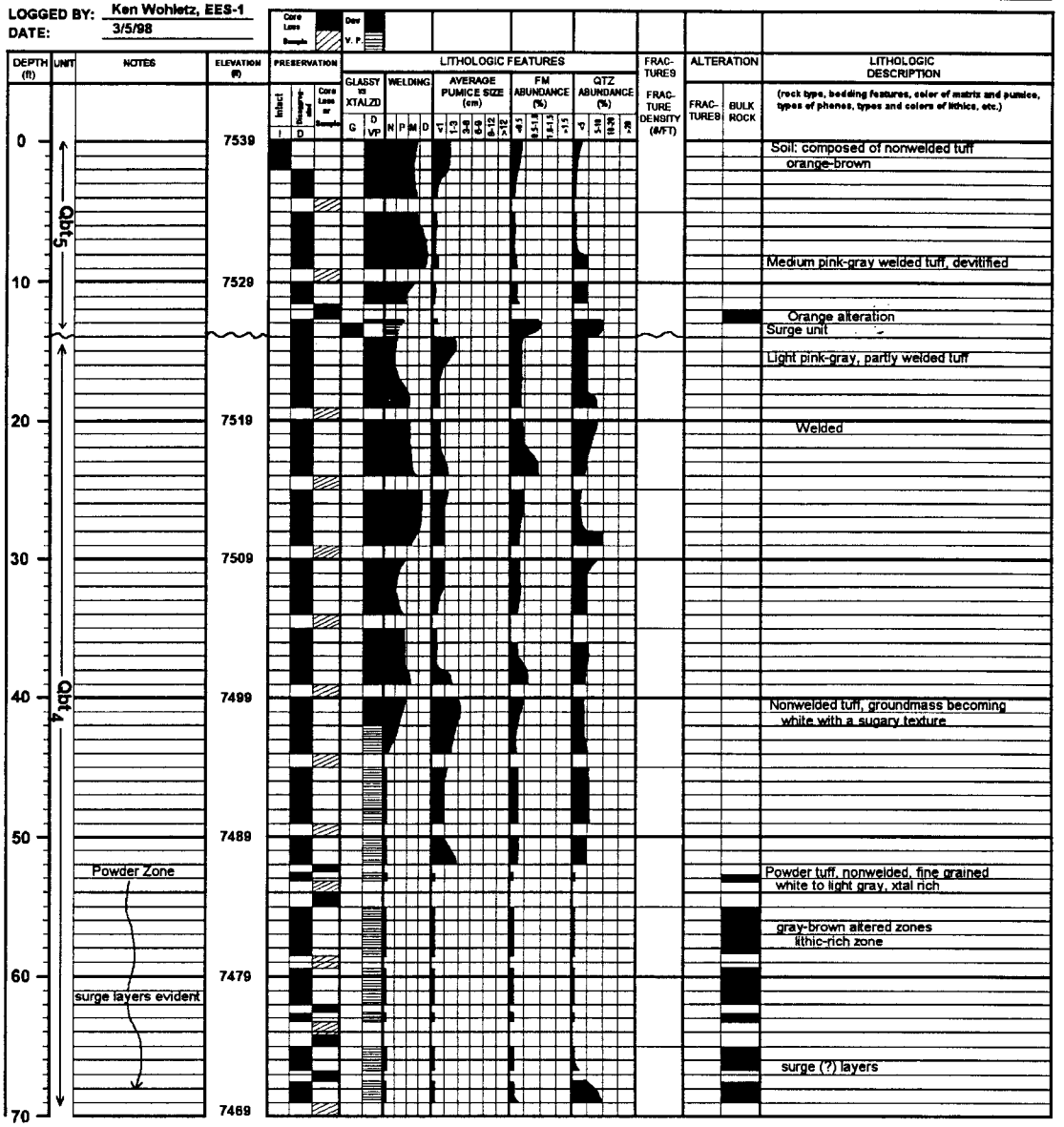
DRILL HOLE: 16-2703 PAGE 1 OF 1
LOCATION: TA-16, 260 Outfall
LOGGED BY: Ken Wohletz, EES-1
DATE: 3/2/98

DEPTH (ft)	UNIT	NOTES	ELEVATION (ft)	LITHOLOGIC DESCRIPTION (rock type, bedding features, color of matrix and pumice, types of phenos, types and colors of lithics, etc.)
0		SOIL	7550	Medium brown soil
				Pink-brown, welded, devitrified tuff
				Black, glassy vitrophyre
				Devitrified welded tuff
10	Qbt_5		7540	Orange oxidized dust interval clay-rich at base
		Medium pink-gray		Nonwelded, vitric tuff
		Medium purple-gray		
20		Light brown-gray very crumbly	7530	Partly welded, vapor-phase tuff
30			7520	
40	Qbt_4		7510	
		Yellow-brown		Yellow-brown, non- to partly-welded tuff with altered surge layers
50		Powder zone light gray - white	7500	Light gray to white powder tuff, fragments dissolve readily in water surge horizons (?)
				Densely welded, devitrified tuff
60		Medium gray	7490	
				increased lithic content
		Darker gray		
70	Qbt_{4t}		7480	Xtal-rich surge interval



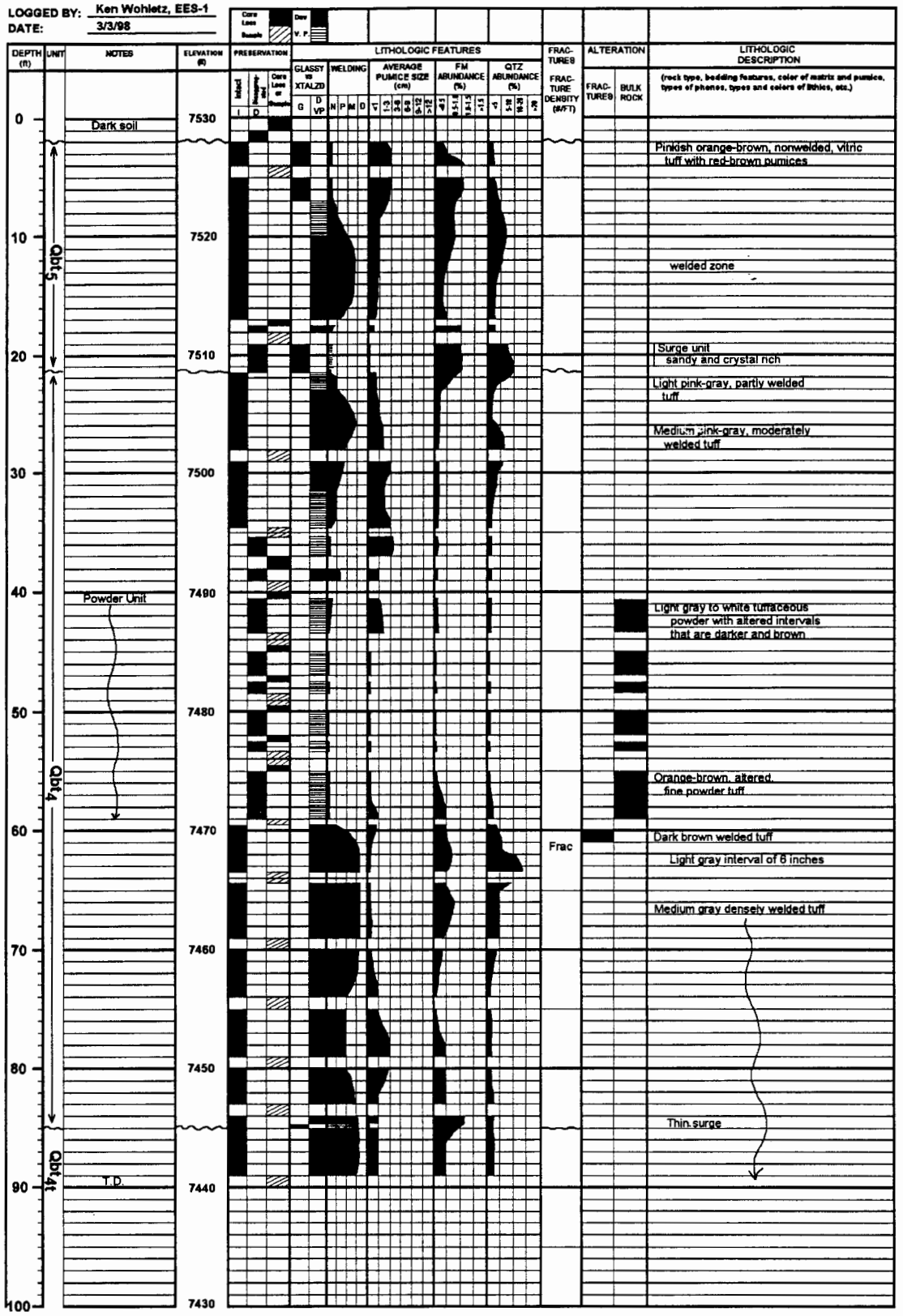
DRILL HOLE: 16-2704
LOCATION: TA-16, 260 Outfall
LOGGED BY: Ken Wohletz, EES-1
DATE: 3/5/98

PAGE 1 OF 1

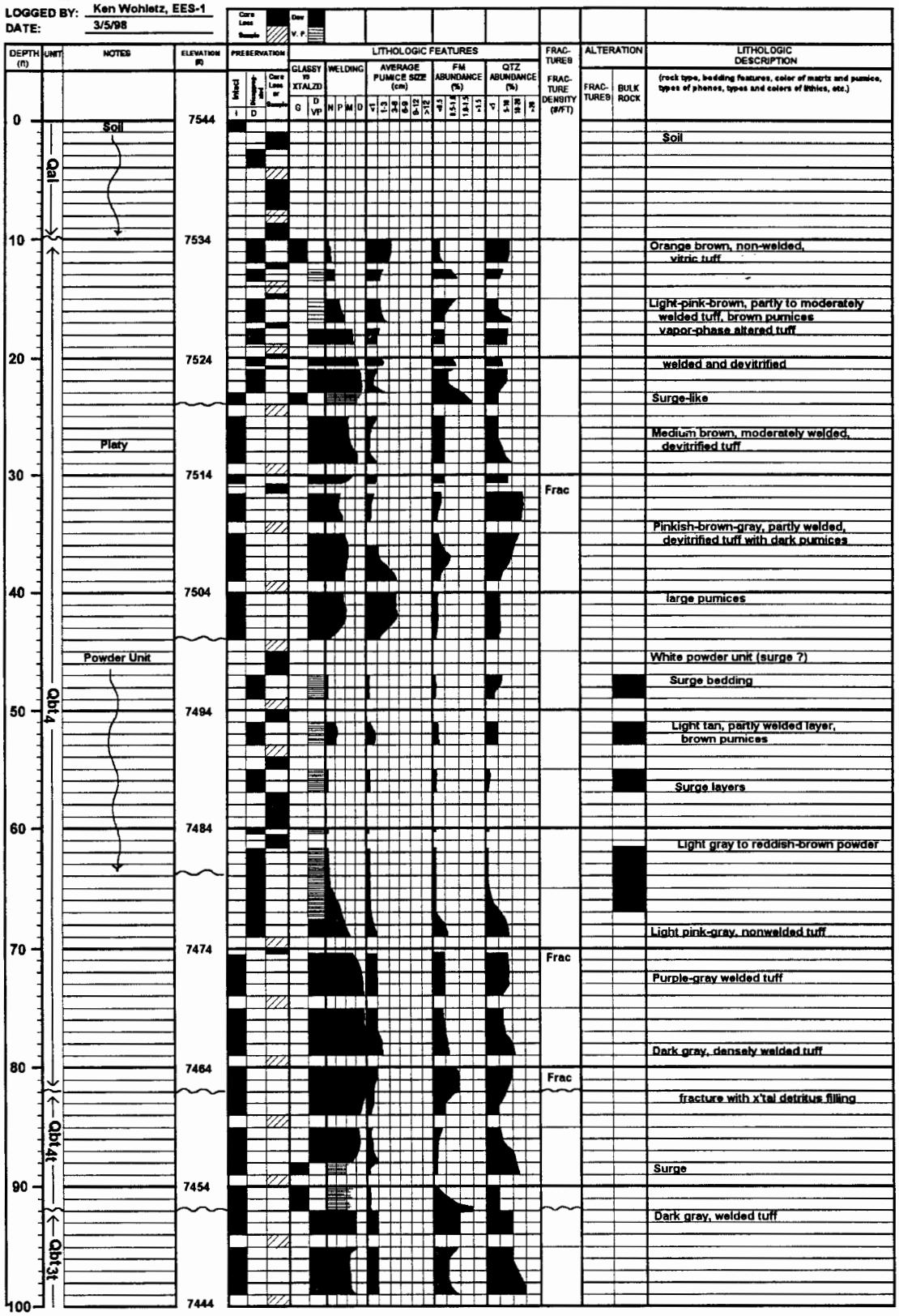


DRILL HOLE: 16-2706
LOCATION: TA-16, 260 Outfall
LOGGED BY: Ken Wohletz, EES-1
DATE: 3/3/98

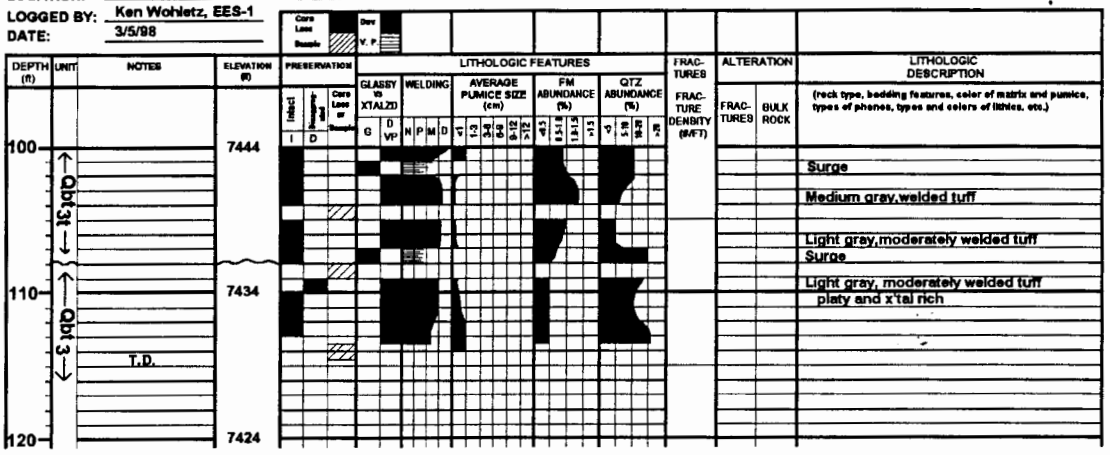
PAGE 1 OF 1



DRILL HOLE: 16-2708 / 16-2736 PAGE 1 OF 2
LOCATION: TA-16, 260 Outfall
LOGGED BY: Ken Wohletz, EES-1
DATE: 3/5/98

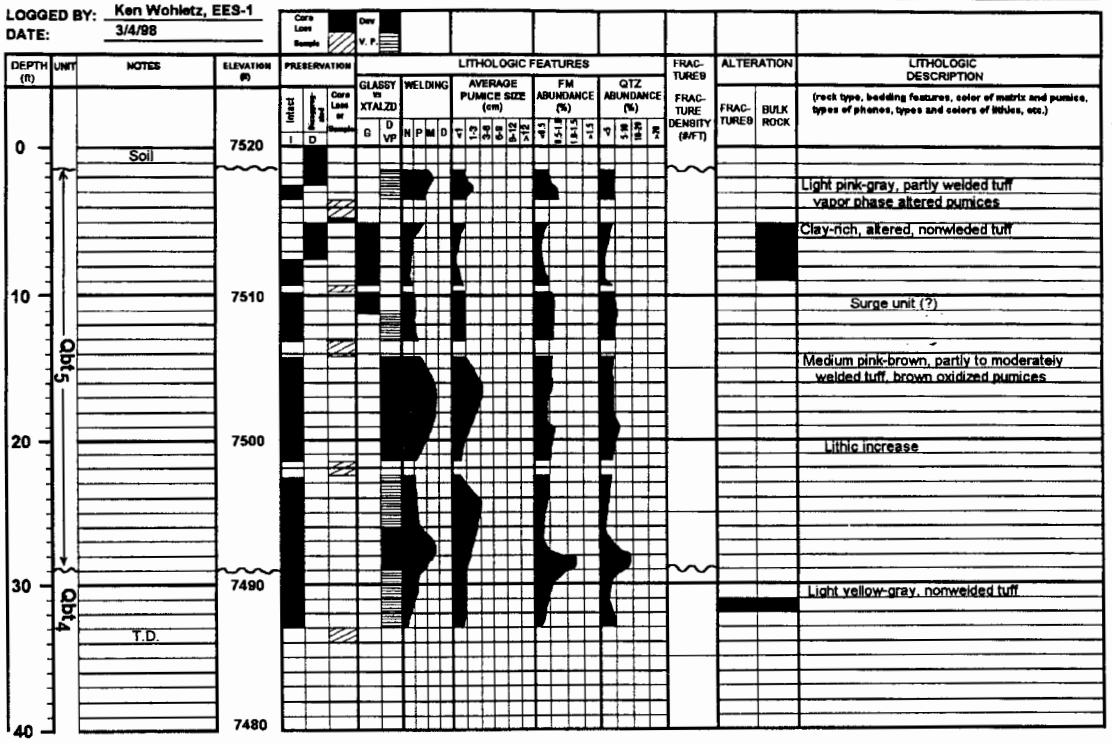


DRILL HOLE: 16-2708 / 16-2736 PAGE 2 OF 2
LOCATION: TA-16, 260 Outfall
LOGGED BY: Ken Wohletz, EES-1
DATE: 3/5/98

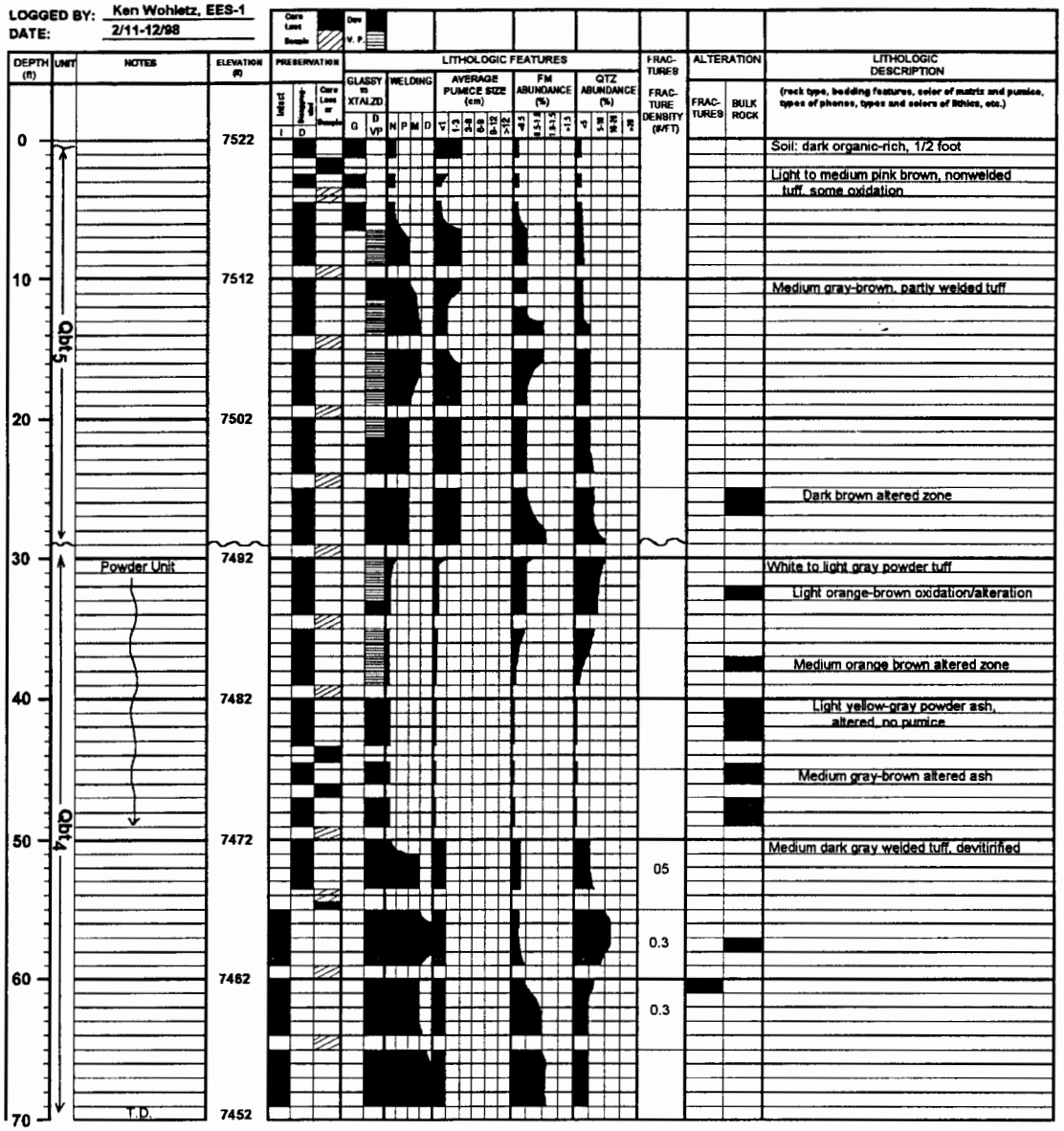


DRILL HOLE: 16-2709
LOCATION: TA-16, 260 Outfall
LOGGED BY: Ken Wohletz, EES-1
DATE: 3/4/98

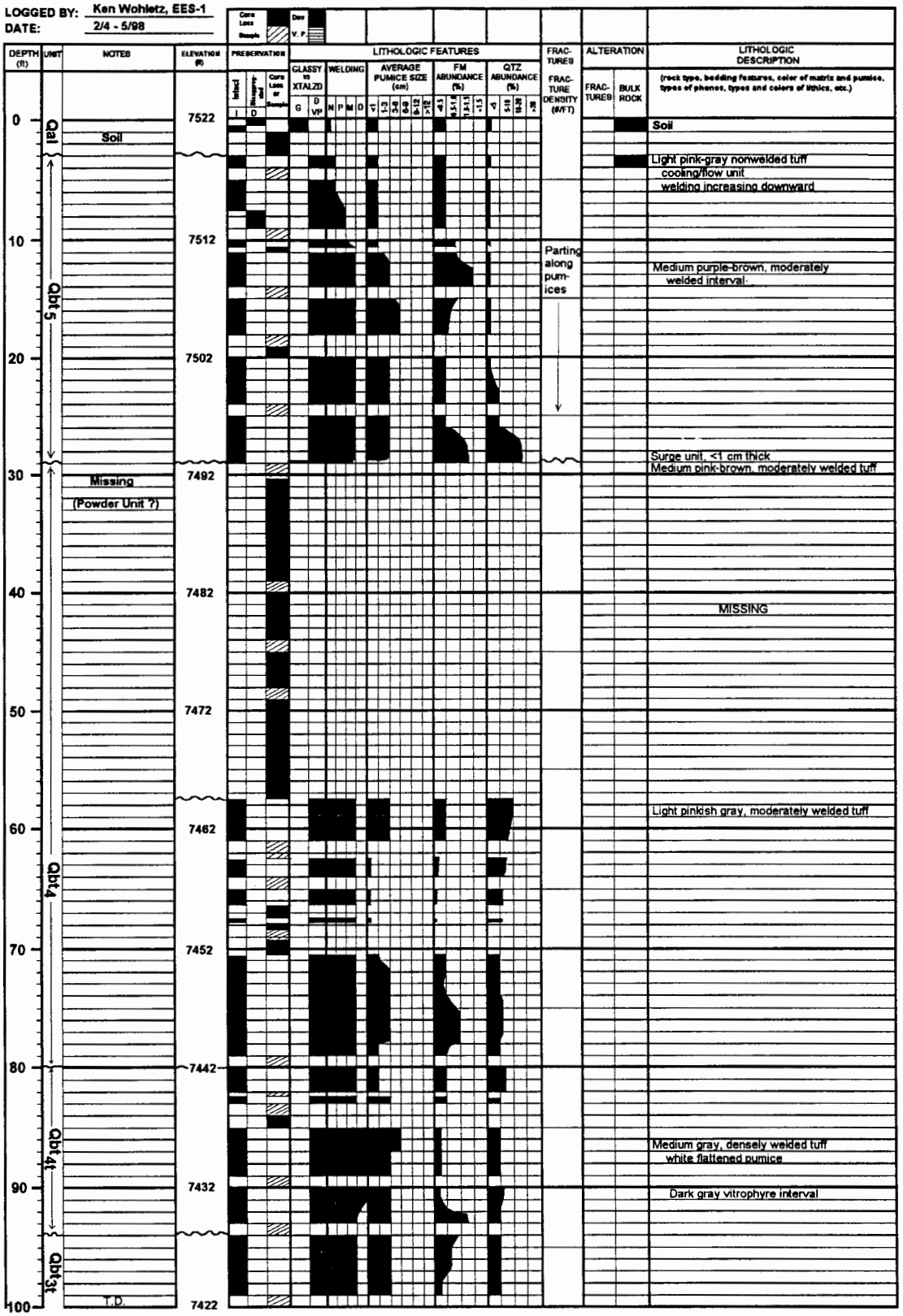
PAGE 1 OF 1



DRILL HOLE: 16-2711 PAGE 1 OF 1
LOCATION: TA-16, 260 Outfall
LOGGED BY: Ken Wohletz, EES-1
DATE: 2/11-12/98

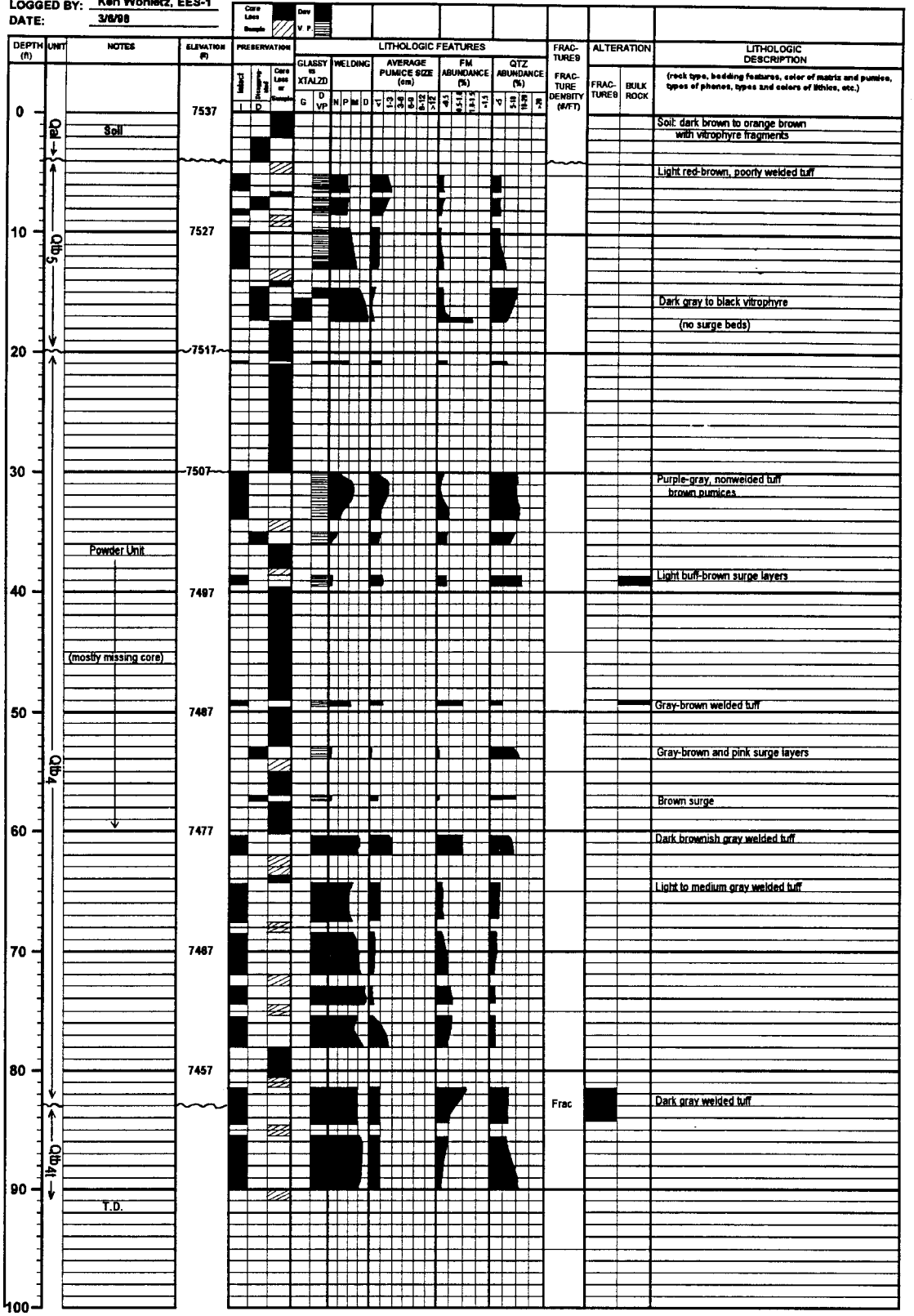


DRILL HOLE: 16-2712 PAGE 1 OF 1
LOCATION: TA-16, 260 Outfall
LOGGED BY: Ken Wohletz, EES-1
DATE: 2/4 - 5/98



DRILL HOLE: 16-2735
LOCATION: TA-16, 260 Outfall
LOGGED BY: Ken Wohletz, EES-1
DATE: 3/6/98

PAGE 1 OF 1



APPENDIX H. COMPREHENSIVE SUMMARY OF GEOPHYSICAL INVESTIGATION IN SUPPORT OF THE HYDROGEOLOGIC INVESTIGATION AT TA-16

H-1.0 INTRODUCTION

This report was written by ICF Kaiser personnel and Martin Miele (principal geophysicist) in May of 1998. It presents the results of an extended on-going geophysical investigation performed at TA-16 of the Laboratory. This investigation was performed in support of a hydrogeologic investigation conducted near TA-16, Building 260 and Building 344 to assess groundwater transport conditions related to PRS 16-021(c).

The investigation was conducted in several phases during 1996 and 1997. The purpose of this report is to present the investigational approach in a clear perspective and to unify the results of the geophysical investigation. These investigations were used to help site several BHs during the Phase II RFI investigation of TA-16, Building 260.

H-1.1 Site Description and Local Hydrogeologic Conditions

TA-16 is located in the southwest corner of Los Alamos National Laboratory and consists of 2410 acres. It is bordered on the south by Water Canyon, on the west by the Santa Fe National Forest, and on the north by Canon de Valle. Several other TA's (8, 9, 14, 15 and 49) border TA-16 to the north and east.

TA-16 was established to develop and machine explosives, as well as assemble and test explosive components for the U.S. nuclear weapons program. Present day use of the site is essentially unchanged, although facilities have been upgraded as explosive technologies have advanced.

Building 260 is located in the northern section of TA-16 and was built in 1951. It is a high explosive (HE) machining facility. Machine turnings and HE wastewater are routed to 13 sumps in the area which discharge to an outfall designated as PRS 16-021(c). The drainage channel for the outfall is contaminated with high explosive waste including: HE and its degradation products uranium, metals (barium), VOCs, and SVOCs.

The mouth of the drainage from the outfall opens into a nearby canyon to the east where several seeps occur. Additional seeps are located a considerable distance from the outfall. Martin Spring is located in a canyon wall approximately 2,500 feet south to southeast of the outfall (near former Building 16-344). The field area for the geophysical investigation extends from the Building 260 area to the former Building 344 area near Martin Spring.

Geology in the vicinity of TA-16 consists of upper Bandelier tuff. The tuff is characterized by fractures formed during cooling events, tectonic related fractures, and localized permeable zones (surge zones) created during formation of the tuff. Outcrops of the tuff are common throughout the Building 260 area especially in the drainage channel downgradient from the outfall.

Thick sections of the tuff comprise the walls of the canyons and ravines to the south and east where a number of groundwater seeps and springs occur. Shallow groundwater is thought to migrate horizontally along the fractures and/or permeable zones and discharge at the seeps. Therefore, the

fractures/permeable zones may act as pathways or conduits for shallow horizontal groundwater flow and are critical features regarding the transport of contamination.

H-1.2 Objective and Methods Used

The objective of this geophysical investigation is to assess geophysical anomalies that may represent horizontal groundwater transport pathways outward from the TA-16, 260 outfall drainage.

The electrical resistivity profiling method was first utilized for the investigation. Resistivity profiling has commonly been used for groundwater pathway assessment in groundwater exploration and environmental investigations. The method is used to assess lateral changes in resistivity that may be caused by saturated zones. The method does not exhibit good resolution for depth.

In order to obtain better vertical information, a number of Schlumberger vertical electric soundings were also conducted at the property. The purpose of the soundings was to obtain vertical information over some of the anomalies detected in the electrical resistivity profiling surveys to assess the depth and thickness of the anomalous zones.

The self-potential (SP) method was utilized in conjunction with the resistivity profiling survey. The SP can help distinguish anomalies caused by the presence of groundwater from anomalies caused by other conditions. The two methods are commonly used together for investigations such as this.

Limited seismic refraction surveys were utilized to assess different physical characteristics (density/seismic velocity) of subsurface materials. Seismic refraction data can lead to information regarding the location and configuration of permeable zones, or fracture zones, that electrical resistivity may not detect due to specific site subsurface conditions.

The methodologies cited above detected several geophysical anomalies. In order to improve the resolution of the surveys, a relatively new and automated version of dipole-dipole resistivity surveys was employed (Swift Cables). The data from these dipole-dipole surveys exhibit good vertical and lateral resolution and were the most successful of all the methods utilized for the assessment of hydrogeologic conditions at the site.

H-2.0 METHODOLOGIES AND RESULTS

The specific methods utilized at each location, as well as a brief description of the method and particular field survey, are discussed in the following subsections of the report. The results are also presented for each survey in the respective subsections.

H-2.1 Resistivity Profiling Surveys

Electrical conductivity is defined as the ability of a given material to conduct electric current. Electrical resistivity is the reciprocal of conductivity and represents the reluctance of a material to conduct electric current. The resistivity of earth materials has been measured in surveys for decades in the mining and groundwater industries. The electrical resistivity method is very sensitive to the presence of groundwater.

The resistivity of earth materials depends upon several factors including composition; grain size; moisture contents; physical characteristics; type of mineralization; etc. In general, coarse-grained materials (sands

and gravels) typically have a higher resistivity than fine-grained materials (clays and silts). Impermeable materials such as volcanic rocks and lithified sedimentary rocks have even higher resistivities. The presence of water (in fractures or pores), especially saturated conditions, significantly reduces the resistivity of all earth materials by at least an order of magnitude. Therefore, the targets for all groundwater investigations, using the resistivity method, are low resistivity zones or low resistivity anomalies. The presence of groundwater creates low resistivity values due to electrolytic conduction. However, significant amounts of clay also generate low resistivities due to surface conduction.

Resistivity measurements are obtained from a variety of surface configurations called arrays. Each array is designed for a specific purpose and consists of two current electrodes and two potential electrodes. By varying the location and separation of the electrodes, and other parameters in the array, the depth of investigation and resolution of each array can be adjusted for a given purpose. In a layered earth, the measured resistivities (apparent resistivities) represent the entire volume of material permeated by the electric field rather than individual layers or zones.

The gradient array was used in the initial resistivity surveys at the Building 260 and Building 344 field areas. The purpose of the gradient array survey was to assess the presence of low resistivity zones that may be caused by the presence of water. The array is designed to obtain several resistivity measurements at a fixed depth of investigation. The purpose is to assess lateral variations in resistivity and delineate areas characterized by relative low resistivities. The low resistivity zones are then considered drilling targets of the investigation which may represent subsurface saturated zones (or other causes).

The gradient array method is limited in vertical resolution. In addition, measurements obtained at a given current electrode separation take considerable time. The same measurements need to be re-obtained at another current electrode separation if information for another sampling volume is required.

In all, nine profiles of resistivity data were obtained at the Building 260 (seven profiles) and Building 344 (two profiles) field areas in the fall of 1996. They ranged from 100 to 600 ft in length. The profile locations are indicated on Figures H-2.1-1 and H-2.1-2.

At the Building 260 area, profiles were located on both the north and south rims of the drainage. The remaining profiles were located generally downgradient of the drainage between the drainage and local seeps or springs.

A varying number of gradient arrays were conducted to construct each profile. The arrays consisted of current electrode separations of 240 ft and potential electrode separations of 6 feet. This corresponds to a depth of investigation of approximately 60 to 75 ft with good lateral resolution. Grid markers (wooden lath) were located at 80-ft intervals along each profile. Each marker was annotated with the profile name and distance along the profile.

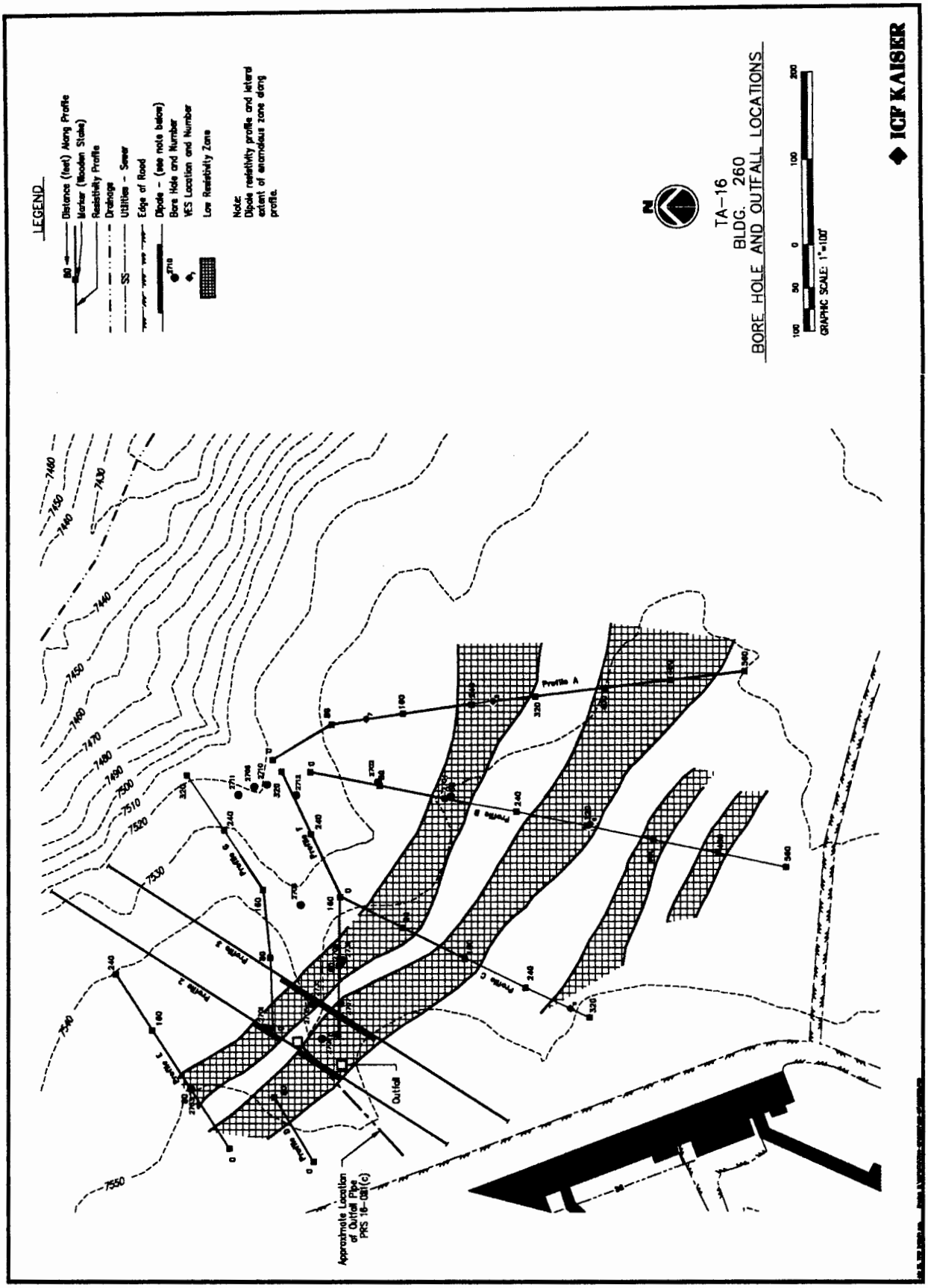


Figure H-2.1-1. Gradient array and Dipole-Dipole resistivity profiles and results—TA-16, Building 260 area

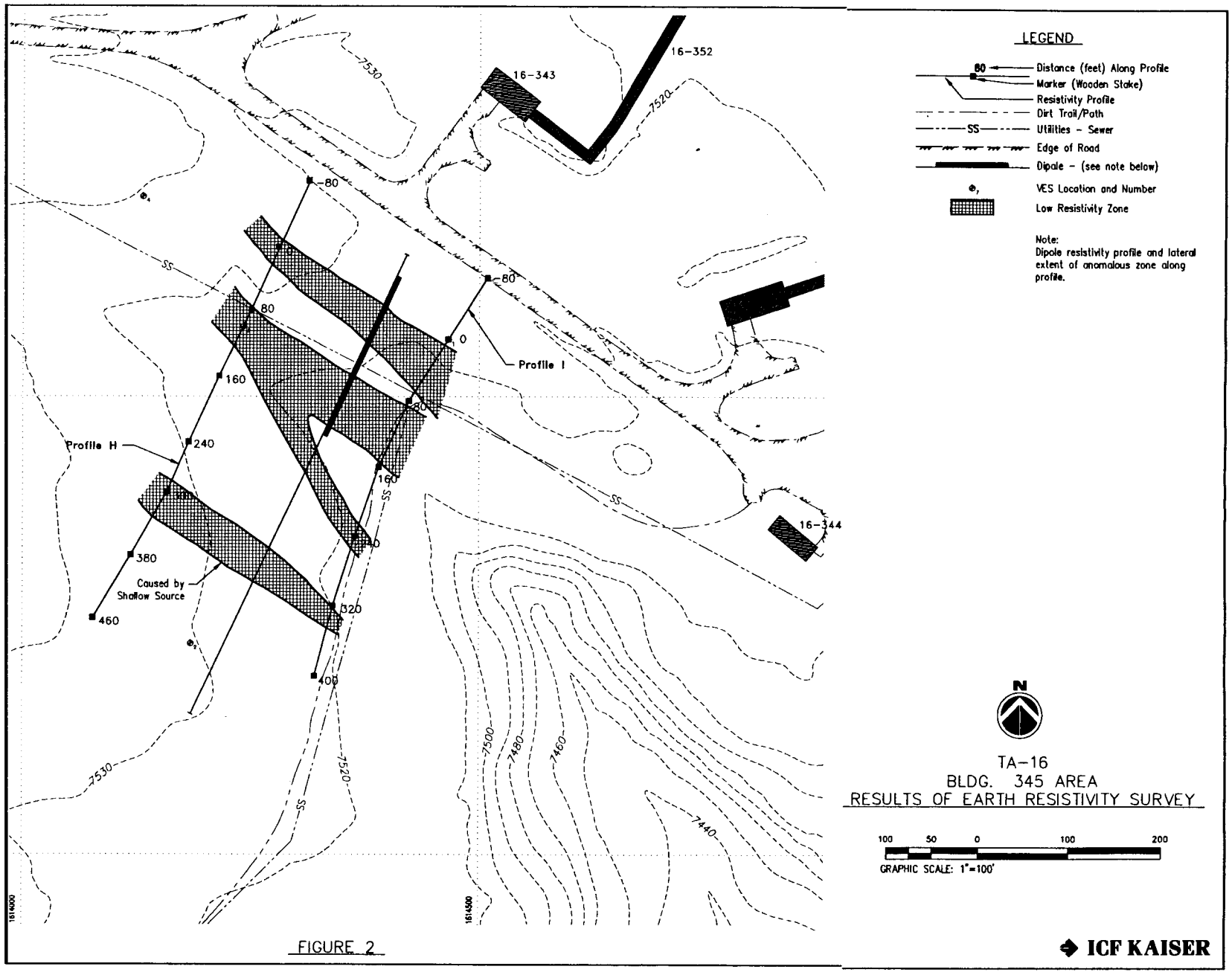


Figure H-2.1-2. Gradient array and Dipole-Dipole resistivity profiles and results—TA-16, Building 344 area

Resistivity data were obtained at 10-foot intervals along each profile. A Sting R! resistivity meter and non-polarizing electrodes were used to obtain the data. Resistance data were obtained in the field and later converted to resistivity data using the gradient array geometric constant and the following equations:

$$\rho_a = L^2/a\ (K)\ (V/I)$$

and

$$K = 2\pi\ [(1 - X/\ (Y^2 + (1 - X)^2)^{3/2}) + (1 + X/\ (Y^2 + (1 + X)^2)^{3/2})]^{-1}$$

where

ρ_a = apparent resistivity (Ohm-feet)

V/I = measured resistance (Ohm)

K = geometric constant for each measurement

L = 1/2 current electrode spacing (feet)

a = potential electrode spacing (feet)

x = distance parallel to array from center of array (feet)

y = distance offset from array (feet)

For this investigation, $y = 0$ because reconnaissance profiles were conducted. Therefore, the equation for the geometric constant becomes:

$$K = 2\pi\ [(1 - X/\ ((1 - X)^2)^{3/2}) + (1 + X/\ ((1 + X)^2)^{3/2})]^{-1}$$

The calculations were made for each data point and the resulting resistivity data were plotted versus distance along each profile for all of the profiles in the investigation. The results for each profile are presented in Figures H-2.1-3 through H2.1-9.

Figure H-2.1-1 indicates the location of the resistivity profiles and the low resistivity anomalous zones in the Building 260 field area that were first interpreted from the gradient array data. The anomalous zones were correlated between the profiles. Therefore, the linear nature of each anomalous zone was created by an assumed continuity between profiles. Parts of the linear anomalies may not truly correlate or they may correlate in a different manner. The purpose of the reconnaissance survey was to obtain a general configuration of possible subsurface conditions. The anomalies have a general northwest trend at approximately N 45° W.

The section of anomaly at approximately the 240 ft marker along Profile A occurs directly adjacent to wet surface soil conditions. The shallow moisture may have caused an apparent anomaly that is not related to the other anomalous zones.

The results of the electrical resistivity survey were used to locate several BHs behind Building 16-260 during the Phase II RFI. The siting of BHs 16-2701, 16-2703, 16-2704, 16-2707, and 16-2708/2736 were

biased to locations along geophysical profiles within area of low electrical resistivity. BH 16-2702 was sited along Profile B and outside of any geophysical anomaly. BHs 16-2700 and 16-2705/2735 lie within a geophysical anomaly but were sited to investigate contamination with the 260 outfall pond.

Figure H-2.1-2 indicates the resistivity profiling results (gradient array results) for the TA-16, Building 16-344 field area. Two prominent low resistivity zones occur along the profiles. The linear anomalies are also oriented approximately N 45° W and are aligned with the location of Martin Spring that emerges from the canyon wall to the south.

The results of the electrical resistivity survey were used to locate a BH between Building 260 and Building 344 during the Phase II RFI. The siting of BH 16-2665 was biased to a location of low electrical resistivity.

H-2.2 Schlumberger Resistivity Soundings

Schlumberger vertical electric soundings (VES) were conducted at several locations in the Building 260 and Building 344 field areas. They were employed to assess the depth and possibly thickness of the linear anomalies detected in the resistivity profiling survey. Resistivity soundings determine the variation of resistivity with depth below a given location. Electrical current is input to the ground from two outer electrodes and the electric field is sampled by measuring the potential difference between two inner potential electrodes located in the center of the current electrode separation. The measured potential is a function of the amount of current input to the ground and the resistivity of the material through which the current passes. Expanding the distance between the current electrodes increases the depth of penetration.

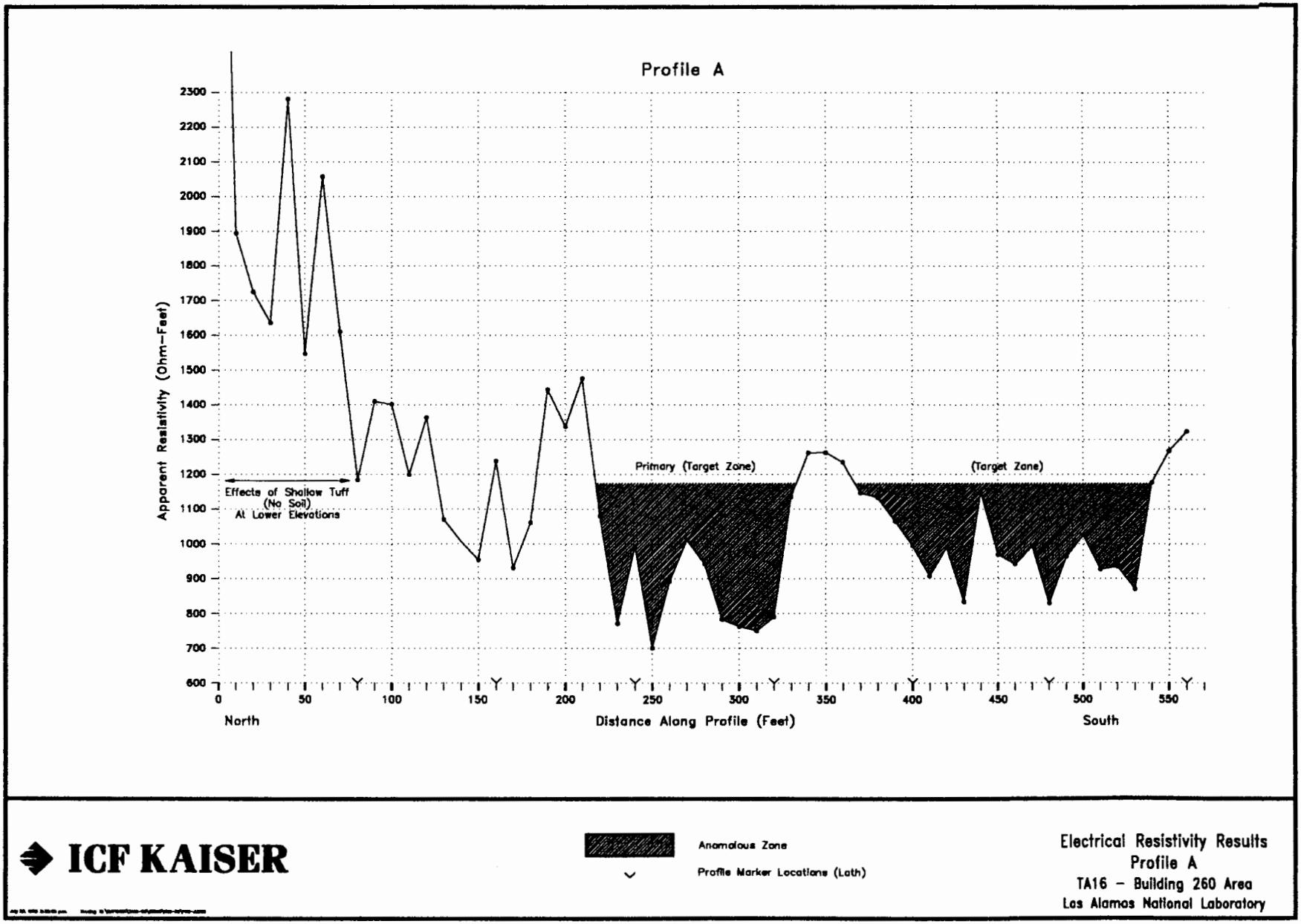


Figure H-2.1-3. Electrical resistivity results, Profile A

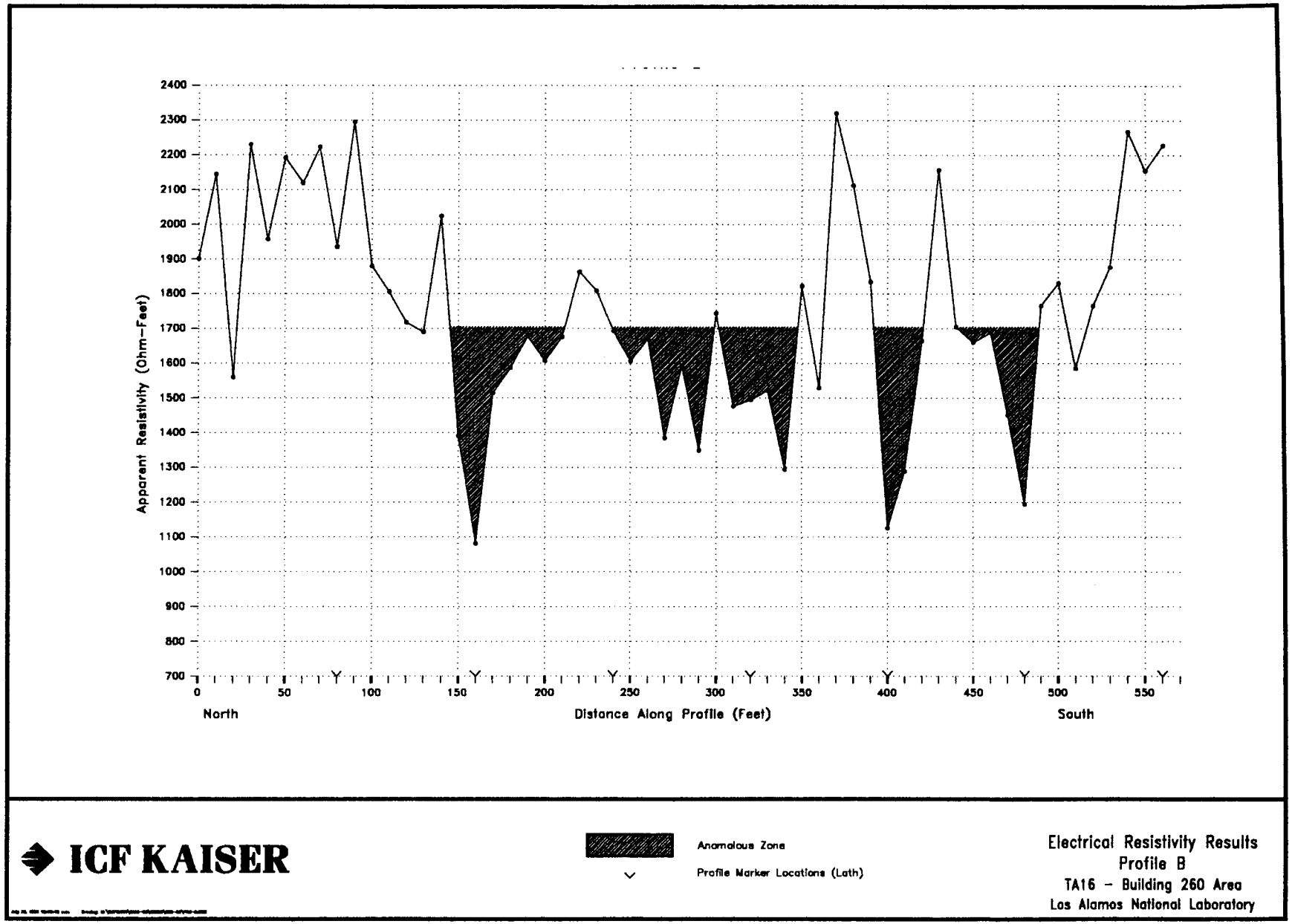
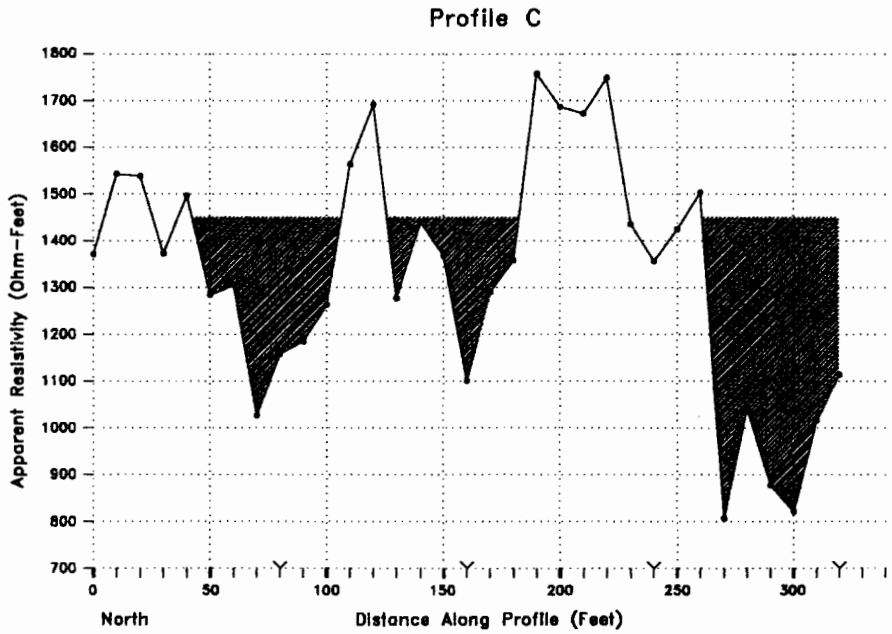


Figure H-2.1-4. Electrical resistivity results, Profile B



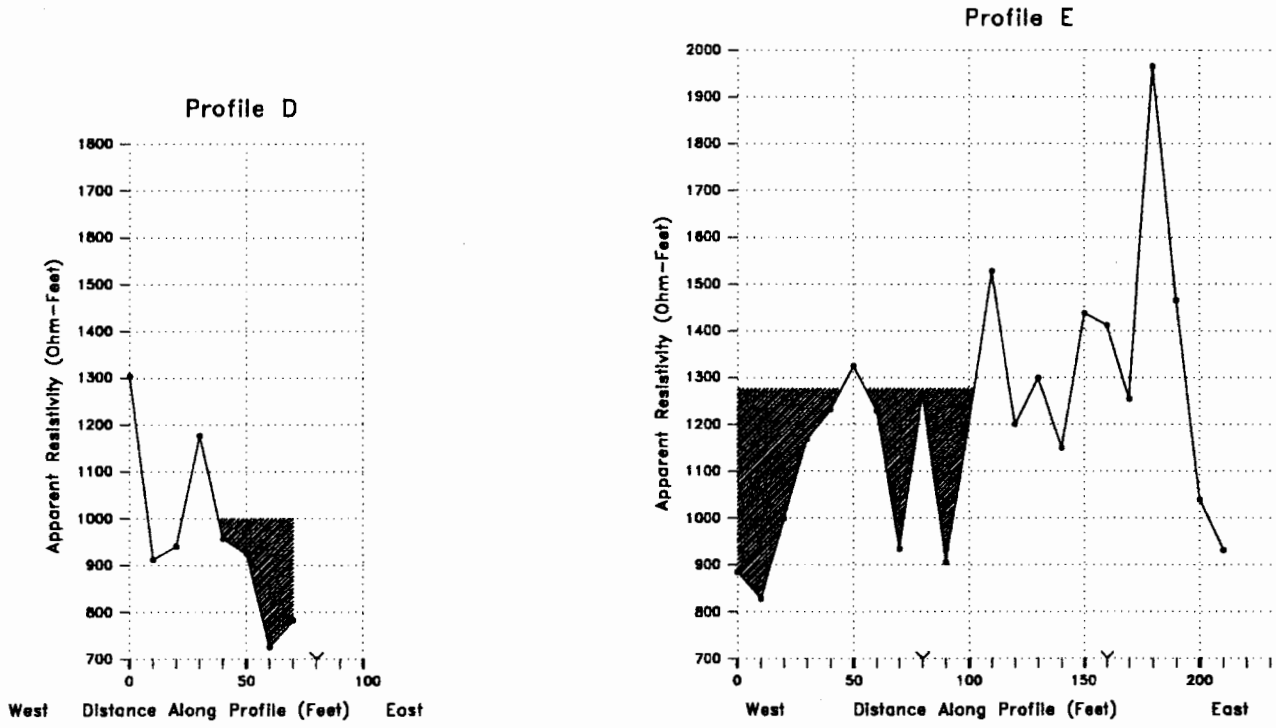
ICF KAISER

Anomalous Zone

Profile Marker Locations (Lath)

Electrical Resistivity Results
Profile C
TA16 – Building 260 Area
Los Alamos National Laboratory

Figure H-2.1-5. Electrical resistivity results, Profile C



ICF KAISER

Anomalous Zone

Profile Marker Locations (Lath)

Electrical Resistivity Results
Profiles D and E
TA16 - Building 260 Area
Los Alamos National Laboratory

Figure H-2.1-6. Electrical resistivity results, Profile D and E

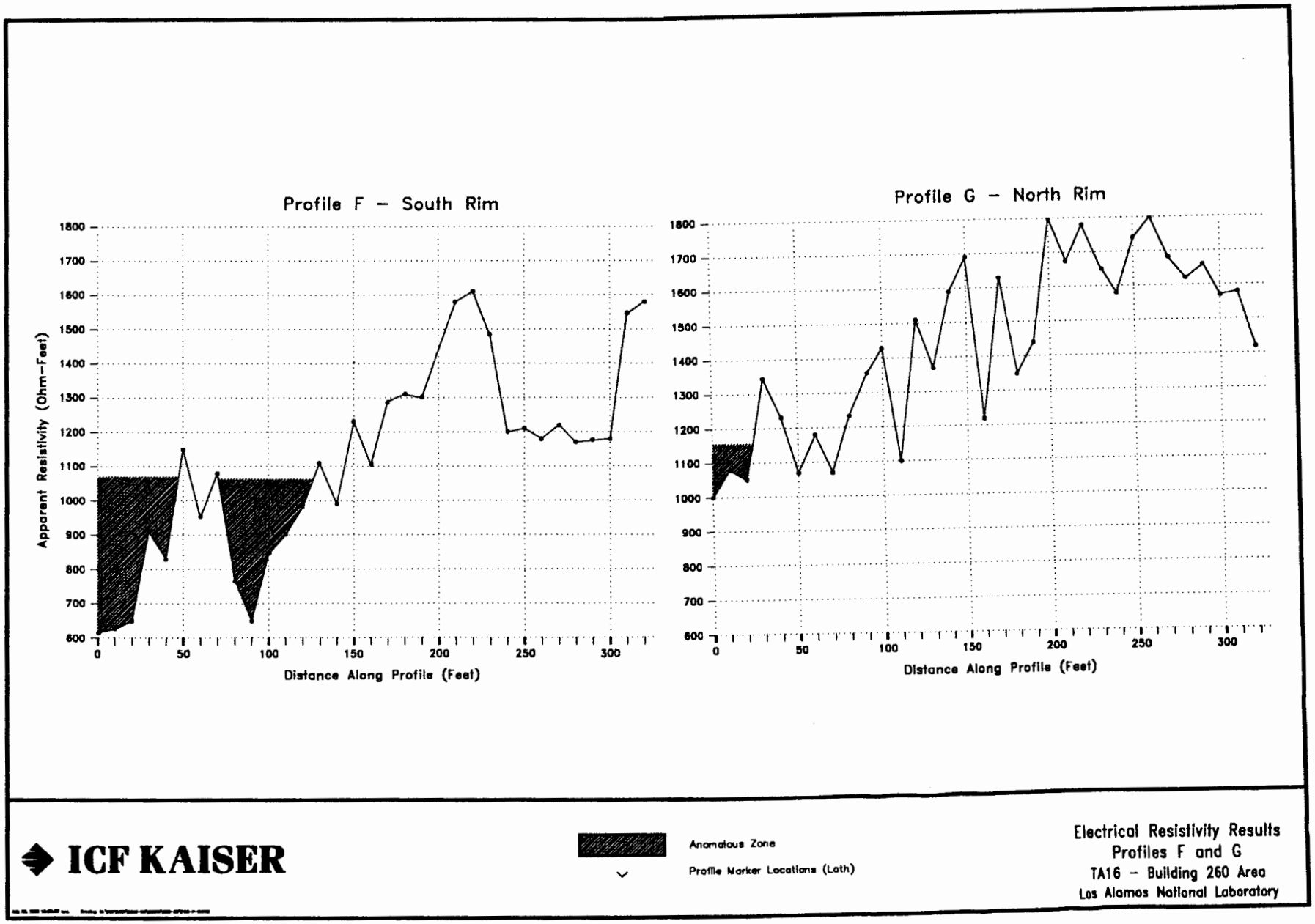
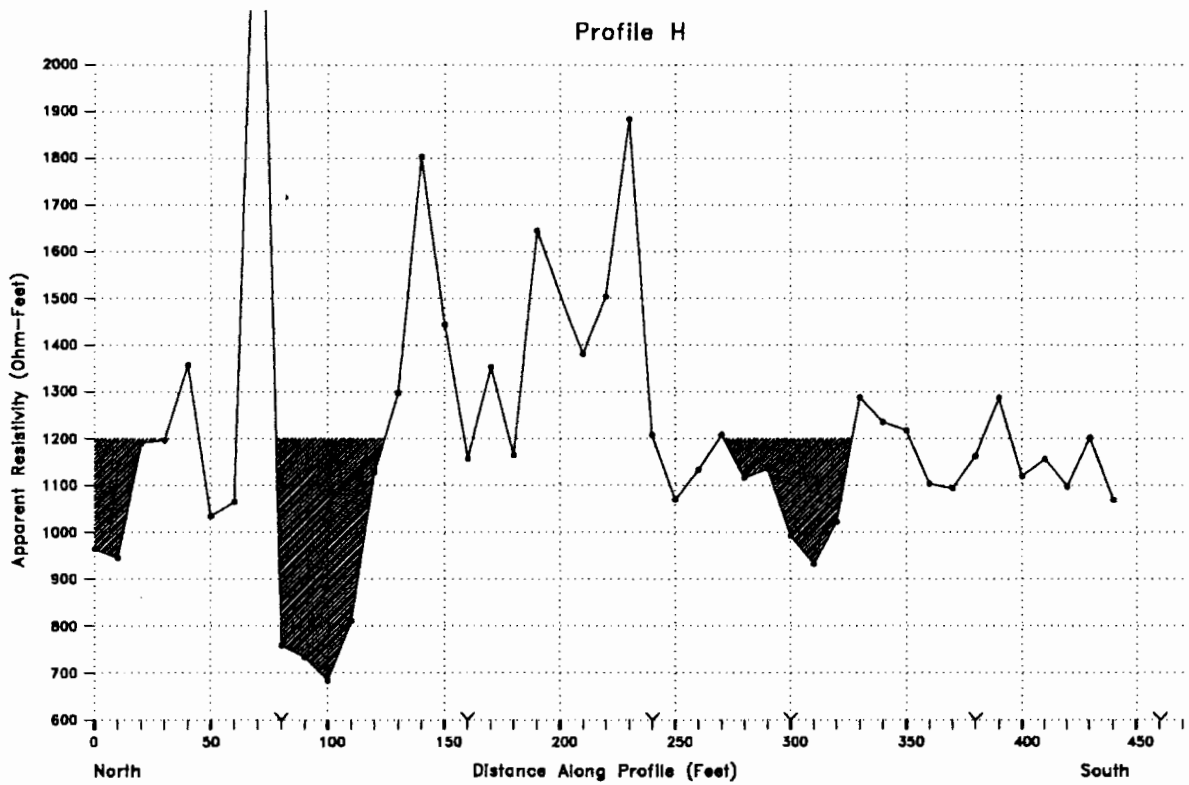


Figure H-2.1-7. Electrical resistivity results, Profile F and G



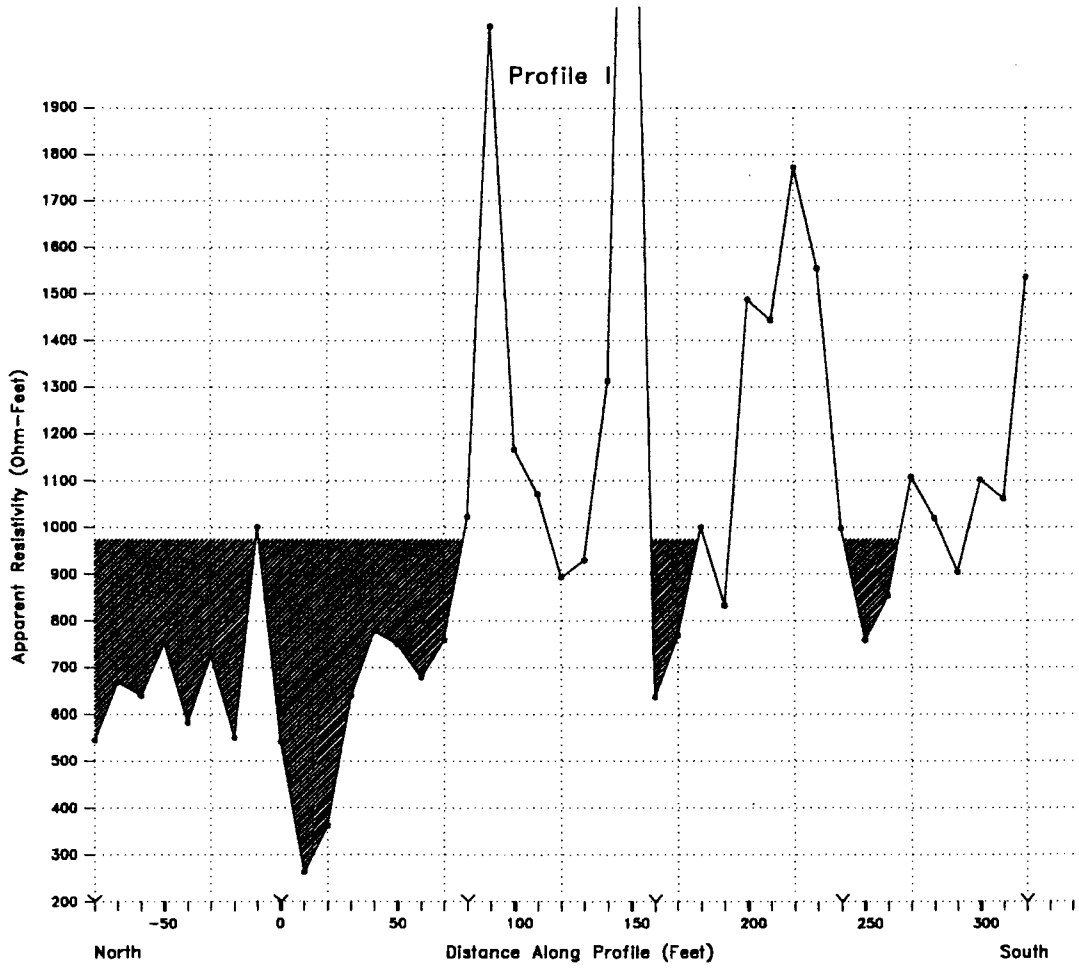
ICF KAISER

Anomalous Zone

Profile Marker Locations (Lath)

Electrical Resistivity Results
Profile H
TA16 – Building 345 Area
Los Alamos National Laboratory

Figure H-2.1-8. Electrical resistivity results, Profile H



ICF KAISER

Anomalous Zone

Profile Marker Locations (Loth)

Electrical Resistivity Results
Profile I
TA16 – Building 345 Area
Los Alamos National Laboratory

Figure H-2.1-9. Electrical resistivity results, Profile I

With Schlumberger arrays, all four electrodes are arranged collinearly and the distance between the outer current electrodes is expanded for each successive reading. The potential electrodes remain in the center of the array with a separation that is less than ten percent of the current electrode separations. Several readings are obtained at increasing current electrode separations generating a VES "sounding." The measured soundings are then computer modeled (forward and inversion modeled). The resulting data furnish good vertical resolution below the center of each array.

In all, four soundings were conducted at the Building 344 field area. Their locations are indicated in Figure H-2.1-2 (VES-1 through VES-4). Three of the soundings were located over resistivity anomalies that were resolved in the previous resistivity profiling survey. One sounding was located in a non-anomalous area to assess "background" conditions.

Four soundings were conducted at the Building 260 field area. Their locations are indicated in Figure H-2.1-1 (VES-5 through VES-8). Three of the soundings were located over resistivity anomalies that were resolved in the resistivity profiling survey. One sounding was located in a non-anomalous area to assess "background" conditions. Observed (measured) versus calculated (computer modeled) data are presented in Attachment A.

H-2.2.1 Building 344 Area

This section presents the modeled results of each sounding and associated interpretation. In general, the resistivity soundings indicate varying conditions within each area.

Vertical electric sounding number 3 (VES-3) was located in a non-anomalous zone and the modeled results follow:

VES-3

	Resistivity (Ohm-ft)	Thickness (ft)
LAYER 1	90	5
LAYER 2	4910	60
LAYER 3	1720	

The model indicates a surface layer (Layer 1) which is approximately 5 ft thick and exhibits a resistivity of 90 Ohm-ft. This represents the surface soil and/or weathered tuff. The second layer is approximately 60 feet thick and has a resistivity of 4910 Ohm-ft. The resistivity of Layer 2 is relatively high which likely represents unsaturated tuff. Layer 3 exhibits a resistivity of 1720 Ohm-ft. The relative decrease in resistivity represents tuff that exhibits an increase in mineralization or a slight increase in moisture content (not saturated). The thickness of Layer 3 is undefined.

VES-2 was located west of the access road over a resistivity anomaly resolved in the previous investigation. The modeled results follow:

VES-2

	Resistivity (Ohm-ft)	Thickness (ft)
LAYER 1	95	5
LAYER 2	3930	50
LAYER 3	98	

VES-2 is similar to VES-3; however, there is a significant decrease in the resistivity of Layer 3. The marked decrease and actual resistivity of Layer 3 possibly represents the presence of water (saturated conditions). Depth to the top of Layer 3 is modeled to be approximately 55 ft.

VES-1 and VES-4 were located on the east side of the access road over resistivity anomalies resolved in the previous investigation. The modeled results for these soundings follow:

VES-1

	Resistivity (Ohm-ft)	Thickness (ft)
LAYER 1	515	10
LAYER 2	1050	18
LAYER 3	680	

VES-4

	Resistivity (Ohm-ft)	Thickness (ft)
LAYER 1	200	20
LAYER 2	1565	15
LAYER 3	580	

The models for VES-1 and VES-4 are similar to each other; however, they are significantly different from the models for VES-3 and VES-2 located on the other side of the access road. The difference indicates a variation in geologic conditions east and west of the access road. In VES-1 and VES-4, Layer 2 resistivities are lower, which may indicate increased moisture (not saturated) or a slightly different tuff composition. However, the marked decrease in resistivity from Layer 2 to Layer 3 may be due to the presence of higher moisture content at a depth of 28 and 35 ft in VES-1 and VES-4, respectively.

In general, geologic conditions vary from the east to the west side of the access road. Low resistivity zones, typical of higher moisture content, occur at depths of 55 ft (VES-2), 28 ft (VES-1), and 35 ft (VES-4) in three of the soundings conducted. The varying depths also indicate complicated hydrogeologic conditions. VES-3 is interpreted to represent background or generally non-anomalous or unsaturated conditions at depth. No relative low resistivity layer occurs in the model, which was expected, as it was located in a non-anomalous zone (gradient data).

H-2.2.2 Building 260 Area

VES-7 was located in a non-anomalous zone and the modeled results follow:

VES-7

	Resistivity (Ohm-ft)	Thickness (ft)
LAYER 1	235	10
LAYER 2	1030	28
LAYER 3	2135	

The model indicates a surface layer (Layer 1) which is approximately 10 ft thick and exhibits a resistivity of 235 Ohm-ft. This represents the unsaturated surface soil and/or weathered tuff. The second layer is approximately 28 ft thick and has a resistivity of 1030 Ohm-ft. The resistivity of Layer 2 is relatively low which likely represents some moisture (not saturated). Layer 3 exhibits an increase in resistivity to 2135 Ohm-ft. Due to the increase in resistivity and actual resistivity of Layer 3, it is interpreted that Layer 3 does not contain water. The thickness of Layer 3 is undefined.

VES-6 and VES-8 were located over resistivity anomalies resolved in the previous investigation. The modeled results for these soundings follow:

VES-6

	Resistivity (Ohm-ft)	Thickness (ft)
LAYER 1	98	6.5
LAYER 2	2660	30
LAYER 3	780	

VES-8

	Resistivity (Ohm-ft)	Thickness (ft)
LAYER 1	130	8
LAYER 2	1965	37
LAYER 3	765	

The models for VES-6 and VES-8 are different from the model for VES-7. The difference indicates a change in geologic conditions, possibly due to the presence of water or higher moisture content. Layer 2 resistivities are significantly lower which may indicate increased moisture (may not be saturated). However, the marked decrease in the resistivities of Layer 3 suggests the presence of higher moisture content at a depth of 36.5 and 45 ft in VES-6 and VES-8, respectively. These two soundings (VES-6 and VES-8) are very similar to VES-1 and VES-4 conducted at the Building 344 field area.

VES-5 was located over a linear resistivity anomaly resolved in the previous profiling investigation. The modeled results follow:

VES-5

	Resistivity (Ohm-ft)	Thickness (ft)
LAYER 1	56	9
LAYER 2	6200	38
LAYER 3	9090	

The resistivity of Layer 2 is very high which likely represents unsaturated tuff. Layer 3 also exhibits a very high resistivity (9090 Ohm-ft) which suggests that it does not contain water. The resistivity of Layer 1 is relatively low which may account for the resistivity anomaly detected in the previous investigation. Layer 1 likely represents shallow saturated soils. This is supported by wet conditions observed in surface soils at that general location during the previous investigation. Therefore, the linear anomaly detected at the location of VES-5 should not be extended as part of the other linear features. The surface soil conditions are the likely cause of the anomaly.

In general, the low resistivity zones detected in the profiling survey were detected at depths of 36.5 ft and 47 ft in VES-6 and VES-8, respectively. These low resistivity zones may be caused by the presence of higher moisture content.

H-2.3 Self-Potential Surveys

Self-Potential (SP) surveys are commonly used in conjunction with resistivity surveys for groundwater exploration projects. They furnish information that resistivity surveys do not. In addition, under the right conditions they can furnish better resolution than resistivity surveys and can pinpoint the location of groundwater movement or groundwater conduits. In addition, they are sensitive to certain geologic conditions that resistivity surveys are not.

The self-potential (SP) (or natural potential) method is a passive geophysical method that involves the measurement of naturally occurring electrical fields within the earth. The fields can be produced by a variety of different subsurface sources generally associated with subsurface flows of fluid, heat, or ions. The electrical current produced by these sources gives rise to an electrical potential that can be measured on the ground surface. Streaming potential (or electrokinetic potential) is a voltage measured on the ground surface which results from the flow of subsurface fluids containing ions. Streaming potential is the mechanism for detecting groundwater or groundwater conduits. Electrochemical potential is a voltage measure that is caused by the electrochemical effects of mineral ore bodies.

SP surveys are performed by measuring the potential difference between a stationary "base" electrode and a roving "measuring" electrode. The measuring electrode is moved to various measurement locations along a traverse or in a grid pattern and the potential difference (milliVolts) between the base and measuring electrode is recorded. The end result of a SP survey is a profile data set (from traverses) or a contour map (from grid system). Features of interest are represented by anomalies in the data set that may be interpreted qualitatively or analytically. Qualitative interpretation involves inspection of the data to look for patterns known or thought to be characteristic of the desired source. Analytical interpretation involves computer modeling.

Appropriate SP field procedures must be taken to minimize or eliminate errors related to data acquisition and provide methods for their removal. The apparent noise levels of SP data ranges from almost zero to tens or hundreds of millivolts. The noise includes measurement errors caused by electrode polarization and drift, changing soil conditions, time-varying potentials, and noise related to other natural and artificial sources.

Non-polarizing porous pot electrodes, standard SP wire/reel, and multimeter were used for the SP survey. The non-metallic electrodes are filled with copper sulfate solution and are high quality measuring devices.

Self-potential data were obtained along all the profiles at the Building 260 and Building 344 field areas. Profile A was extended to the southwest an additional 2000 ft and other profiles not used in the resistivity investigation were added to the data set. SP data were obtained at 10-ft intervals along each traverse. The same base station was utilized for all of the traverses cited above.

Figure H-2.3-1 indicates the SP contours for both the Building 260 and Building 344 field areas. In general, SP values range from -200 to 40 millivolts. The shaded area consists of negative SP values (SP anomalous zone). The negative values generally coincide with the area containing the linear resistivity anomalies resolved in the previous study, with the exception of the one linear anomaly detected along Profile A discussed in the previous section. The anomalous zone is bounded on three sides. However, the contours do not resolve small features.

SP anomalies can be caused by permeable zones that occur in subsurface materials. However, the SP values in this investigation indicate extremely large variations (high magnitude) and may be caused by a larger geologic feature than the smaller targets of interest in this investigation. The zone may be caused by a change in the physical nature or change in composition of subsurface materials caused by physical variations in a tuff flow or other similar conditions.

The cause of the anomalous zone may or may not be related to the objective of this investigation. It may represent a preferred area where numerous small conduits or fractures occur in the subsurface and transmit water. The large nature of the zone and high magnitude of the measurements are unique and make a definitive cause hard to explain. However, the resistivity anomalies and anomalous SP values occur in the same area, which suggests that they may be related to each other. The SP values become increasing negative towards the west. This trend may be indicative of geologic or volcanic feature related to Jemez Caldera or other geologic source/condition.

The anomalous zone also extends from the drainage to the cliff face (near former Building 344) where Martin Spring emerges. Therefore, the values may be caused by the presence of water transported within the zone. The physical conditions that effect transport may be generated by a geologic feature such as a relatively permeable tuff flow (surge bed).

The results of the SP survey were used to locate several BHs in the area of Buildings 260 and 344 during the Phase II RFI. The siting of BHs 16-2701, 16-2703, 16-2704, 16-2707 and 16-2708/2736 were biased to locations behind Building 260 along geophysical profiles within area of low electrical resistivity. BH 16-2702 was sited along Profile B and outside of any geophysical anomaly. BH 16-2665 was sited between Building 260 and Building 344 within a geophysical anomaly.

H-2.4 Seismic Refraction Surveys

Pilot seismic refraction surveys were conducted in some areas to assess the effectiveness of the seismic refraction method for detecting preferred fracture zones or other subsurface conditions that can effect groundwater transport. The seismic refraction method measures subsurface properties that the SP and resistivity methods do not. This can yield information that is not obtainable with the other methods.

The seismic refraction method determines the seismic velocity, thickness, and configuration of subsurface materials. Seismic velocity is affected by composition, consolidation or degree of hardness, degree of weathering/fracturing, and other physical characteristics of the subsurface materials. Igneous rocks and lithified sedimentary rocks have higher seismic velocities than materials such as alluvium, colluvium, landslide debris, and fill material. Fracture zones or weathered horizons are resolved as low velocity zones or layers with the seismic refraction method due to their physical characteristics.

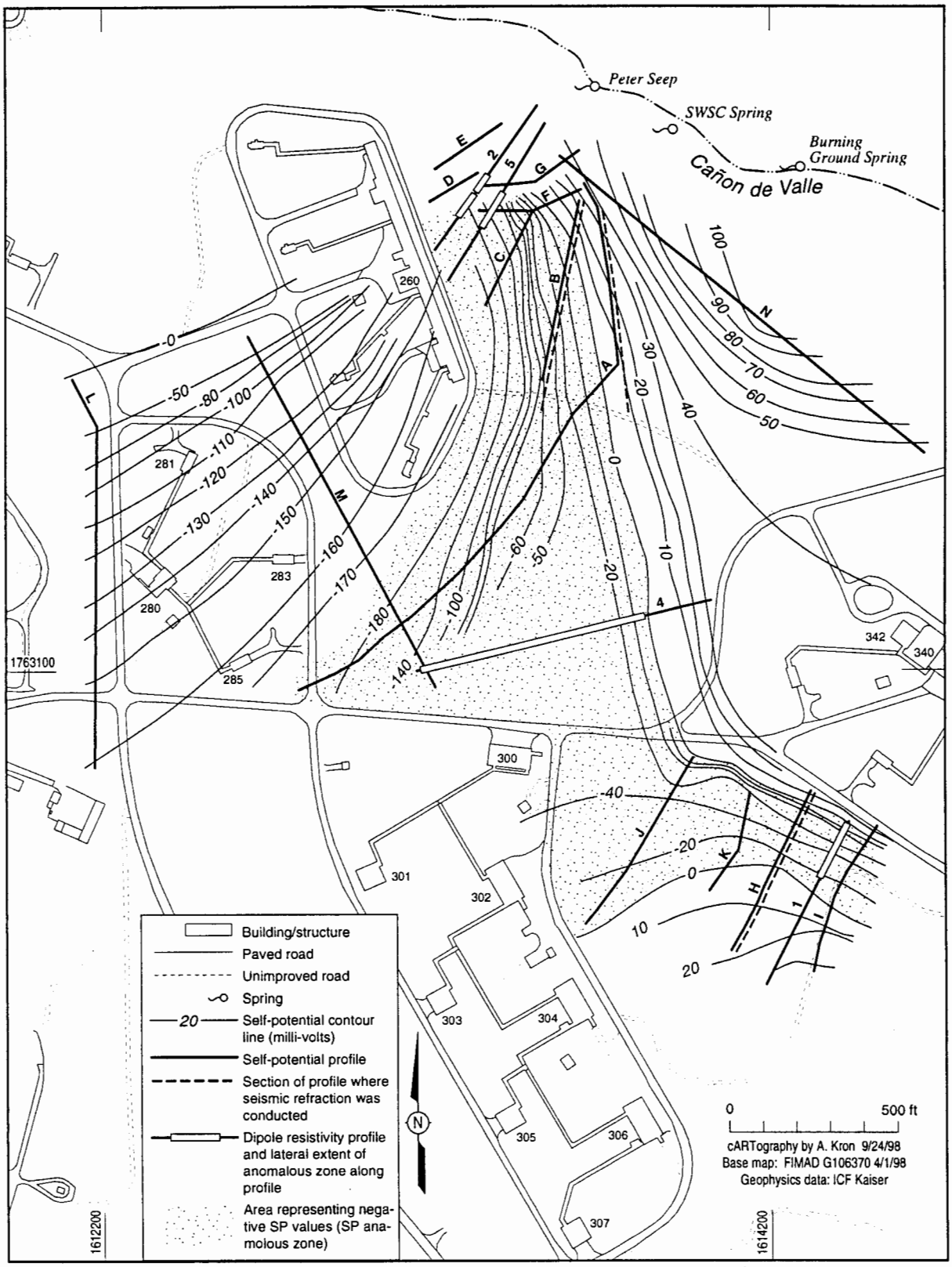


Figure H-2.3-1. Self-potential contour map and TA-16 geophysical investigation results summary

In the seismic refraction method, data is collected along geophone spreads. Each spread is a collinear array of geophones (sensors) distributed at predetermined intervals. Seismic energy is generated at three to five locations along each spread (shotpoints). Shotpoints are located at the end of each spread, in the middle of each spread, and sometimes offset a predetermined distance from both ends of each spread. The time it takes for a compressional seismic wave (P-wave) to travel from a shotpoint to each geophone (arrival times) is recorded on a seismograph for each shotpoint. Hard copies of the seismic waves are produced and the information is also recorded on computer disk.

The arrival times versus distance between each shotpoint and geophone are plotted on time-distance (T-D) graphs. Straight line segments are fit through the arrival times whereby various seismic layers are identified and their apparent velocities are determined. These parameters and the actual arrival times serve as input to inversion modeling programs to invert the seismic refraction data. The output consists of the seismic velocity of subsurface layers and the depth to each seismic velocity interface below every geophone and shotpoint. These are used to construct computer generated seismic velocity cross-sections for each spread. The cross-sections are used for geologic and hydrogeologic interpretation.

In the Building 344 field area seismic refraction profiles were conducted along Profile H. Two 200-ft long geophone spreads were utilized to form the profile. Geophone separations consisted of 5 and 10 ft intervals. The shorter intervals were utilized at the ends of each spread for better definition of shallow seismic velocities. In the Building 260 field area seismic refraction profiles were conducted along Profiles A and B. Three spreads were utilized to construct each of the profiles.

Seismic energy was generated by a 12-lb sledge hammer and metal plate. Three shotpoints were used for each geophone spread. Since the area was a HE manufacturing facility explosives could not be utilized. Therefore, the spreads were limited in length due to the energy of the seismic source. The depth of investigation for these spread lengths is approximately 50 to 65 ft, depending upon the specific velocity contrasts.

Locations of the seismic refraction profiles conducted at the Building 344 and Building 260 field areas are indicated on Figure H-2.3-1. The results of the data are discussed in the following sections.

H-2.4.1 Building 344 Area

The results of seismic Profile H are summarized below:

- **Layer V1**: 1450 ft per sec. Seismic Layer V1 has a seismic velocity consistent with loose unconsolidated sediments/soil or very highly weathered tuff. The thickness of Layer V1 ranges from less than 1 to 12 ft.
- **Layer V2**: 3065 ft per sec. Seismic Layer V2 has a seismic velocity that is consistent with slightly weathered to moderately weathered tuff. The thickness of Layer V2 ranges from zero to 14 feet. Layer V2 is missing in the center of the profile.
- **Layer V3**: 4850 ft per sec. Seismic Layer V3 has a seismic velocity consistent with unweathered to slightly weathered tuff. The thickness of Layer V3 is undefined.

The center of seismic Profile H shows a thickening of Layer V1 (channel-like feature) with a sharp elevation change in Layer V3 on the west side. That type of feature is typically observed over subvertical preferred fracture zones, geologic contacts or shallow faults. This is consistent with the varying geologic

conditions detected between the Schlumberger resistivity soundings on the east and west side of the access road.

H-2.4.2 Building 260 Area

The results of seismic Profiles A and B are summarized below:

- **Layer V1**: 1230 to 1270 ft per sec. Seismic Layer V1 has a seismic velocity consistent with loose unconsolidated sediments/soil or very highly weathered tuff. The thickness of Layer V1 ranges from less than 1 to 10 ft.
- **Layer V2**: 3440 to 3700 ft per sec. Seismic Layer V2 has a seismic velocity that is consistent with slightly weathered to moderately weathered tuff. The thickness of Layer V2 ranges from zero to 23 ft.
- **Layer V3**: 5510 to 5585 ft per sec. Seismic Layer V3 has a seismic velocity consistent with unweathered to slightly weathered tuff. The thickness of Layer V3 is undefined.

The configuration of the top of Layer V3 is irregular showing several peaks and valleys. These conditions are typical of highly fractured rock with preferential weathering patterns. However, due to the limited depth of investigation, the seismic methods were considered inconclusive for the purpose of the investigation at the Building 260 field area.

H-2.5 Dipole-Dipole Resistivity Surveys

The dipole-dipole resistivity method has been utilized in the mining geophysics field for decades. The method was generally used for large-scale mining investigations with large mining targets.

Due to the density and distribution of the measurements and the measuring process, dipole-dipole data exhibit good two-dimensional resolution. However, standard mining dipole-dipole measurements typically yield cross-sections of apparent, and not true, subsurface resistivity data. The resultant subsurface "pseudosections" rarely accurately represent the true geometry of the target of interest. Therefore, in the past, other geophysical techniques were used to resolve the actual orientation and distribution of the target identified in the dipole-dipole survey.

An automated methodology for obtaining dipole-dipole data was recently developed which made the process viable for high-density surveys with increased resolution of the targets. The method has had good success at a number of environmental and engineering sites in the recent past. In addition, inversion modeling of the data was developed which generates an inversion model from the pseudosection. The inversion model is a more accurate representation of subsurface conditions at the site. Therefore, the dipole-dipole method has become a good tool for environmental geophysical surveys.

Dipole -dipole resistivity data were obtained with the Swift Cable and Sting resistivity system (Advanced GeoSciences, Inc.). The system is a relatively recently developed methodology for obtaining large amounts of resistivity data at high-resolution electrode spacing. The system is a cost-effective way of obtaining traditional dipole-dipole resistivity data that renders the dipole-dipole method practical for shallow high-resolution investigations. It is well adapted to the purpose and objective of this investigation.

Since the resistivity method apparently exhibits better resolution than SP and seismic methods for the field conditions at TA-16, it was decided to try the method at selected locations. Dipole-dipole resistivity data were obtained along four profiles at TA-16. Figures H-2.1-1 and H-2.1-2 indicate their locations (Profiles 1 through 4). A discussion regarding the field procedures is presented in the following paragraphs.

For Profiles 1 through 3, dipole-dipole data were obtained along electrode arrays consisting of 56 electrodes spaced at an interval of 3 m. Profile 1 was conducted at the Building 344 field area and Profiles 2 and 3 were conducted at the Building 260 field area. Each array was 165 m (approximately 540 ft) in length. The arrays were generally oriented north south and perpendicular to the expected direction of groundwater flow (toward springs and seeps). At Building 260 the north-south orientation is perpendicular to the drainage cut. During the resistivity survey wooden stakes were emplaced into the ground at the ends of each profile.

In general, data is obtained by placing each of the 56 electrodes into the ground and connecting them to an electrode cable. Measuring parameters for the type of resistivity data, electrode spacing, and other information are programmed into the computerized resistivity unit. Prior to obtaining data the contact resistance (between soil and electrode) for each electrode is checked on the unit. The contact resistance is required to be within a certain range for usable high quality data (less than 1 kOhm). If the value is not within the required range certain field procedures are implemented to adjust the contact resistance.

Data is obtained by activating several electrodes at several different spacing which correspond to several measuring locations and different depths of investigation. The amount of data obtained from one automated array would take days to obtain using the traditional manual method of physically relocating electrodes.

During the Swift Cable resistivity survey at the Building 260 and Building 344 field areas, difficult field conditions were encountered. The soil/rock at many locations was extremely hard and electrically resistive. This required our field crews to dig deeper electrode holes than usual. The holes were then filled with a slurry of water, soil, and bentonite to adjust the contact resistance surrounding each electrode to within an acceptable range.

During the resistivity survey the data are stored in the instruments memory. After completion of the survey, the data are downloaded to computer. The data are then edited and inversion modeled (RES2DINV). The results are cross-sections of each resistivity profile indicating the subsurface configuration of resistivity below each profile.

For Profile 4 dipole-dipole data were obtained along an electrode array consisting of 56 electrodes spaced at an interval of 5 m. The array was 275 m (approximately 900 ft) in length. The profile was conducted in the forested area located between Building 260 and Building 344 field areas. It was generally oriented east west and perpendicular to the self-potential contours to assess any correlation between the previous SP data and dipole dipole data.

Figure H-2.3-1 indicates the location of the resistivity profiles. Elevation and distance along each profile is presented in meters and feet. Resistivity data is presented in Ohm-meters because the program only utilizes meters at the present time.

H-2.5.1 Building 344 Area

Profile 1 (Figure H-2.1-2) is located at the former Building 344 site and was oriented generally north south. A subsurface sewer line trends perpendicular to the profile and is located at approximately the 37-meter mark of the profile.

Profile 1 exhibits a significant low resistivity zone from the beginning of the profile to approximately the 55-m (180-ft) mark. The conductive zone apparently consists of two sections that extend to a depth of approximately 60 ft. The sewer line occurs at the 37-m mark and is located within the anomaly. The same sewer line generated a high resistivity anomaly in the previous data set obtained with the gradient array. It may account for the local increase in resistivity in the central portion of the low resistivity anomaly in the dipole-dipole data.

The low resistivity anomaly on dipole-dipole resistivity Profile 1 is consistent with the location of an anomaly detected in the previous gradient array data (Figure H-2.1-2). It also falls within the negative self-potential contours that extend toward the Martin Spring (Figure H-2.3-1). Schlumberger resistivity soundings conducted in the same general area indicate low resistivity zones at a depth of approximately 28 ft. The dipole dipole data indicate that a low resistivity zone in the same area extends to a depth of approximately 50 to 60 ft. This may be the thickness of saturated materials. All of the geophysical data indicate anomalies that likely represent water at that location. This is supported by the presence of Martin Spring.

The results of the dipole-dipole resistivity survey were used to locate two BHs between Building 260 and Building 344 during the Phase II RFI at TA-16. BHs 16-2665 and 16-2668 were sited within a geophysical anomaly.

H-2.5.2 Building 260 Area

Profiles 2 and 3 are located behind Building 260 and are parallel (Figure H-2.1-1). Profile 2 is located 30 ft west of the outfall pond. BH 16-2700 is located 30 ft east of the 117-m mark on Profile 2. Profile 3 is located east of the pond and intersects BH 16-2701 at the 87-m mark of the profile.

Three major low resistivity anomalies occur along the Profile 2. One steeply dipping low resistivity zone occurs at the 96-m mark (315 ft) of the profile, north of and above the drainage cut (higher elevations). The anomalous zone extends to a depth of greater than 100 ft. Another low resistivity zone is located directly beneath the drainage near BH 16-2700. Low resistivities thicken at that location and extend to a depth of 40 ft. A third low resistivity zone occurs along the beginning of the profile from the zero mark to the 48-m (157 ft) mark. The zone also extends to a depth of approximately 60 ft.

On Profile 3 a low resistivity anomaly occurs directly below the drainage cut at the location of BH 16-2701. The anomalous zone extends down to a depth of approximately 30 feet. One other anomalous zone occurs at the southern end of the profile. It is not well defined as the profile ends at that location. A lower magnitude low resistivity anomaly occurs at the beginning of the profile near the 24-m mark and dips steeply to the north. The magnitude is considerably less than the magnitude of the anomalies already cited.

Figure H-2.3-1 includes the gradient array resistivity data obtained behind Building 260 in the vicinity of the outfall and drainage. The dipole-dipole resistivity profiles from this investigation are also indicated on

the map. The profiles are generally oriented northeast southwest and extend from the cliffs to the asphalt road near Building 260 and traverse the drainage at a high angle. The low resistivity anomalies detected in the dipole-dipole investigation are also indicated along the profiles. The location of the two anomalies in the vicinity of the drainage correspond well with anomalies detected in the gradient array survey (anomalies occur as one anomaly along Profile 3). The dipole-dipole data give a much better indication of the anomalies orientation and thickness. In addition, the onset of the anomaly detected at the southwest end along Profile 3 appears to correlate with one of the southern anomalies detected in the previous gradient array data.

The low resistivity anomalies detected along dipole-dipole Profiles 2 and 3 are also located within the SP anomalous zone. Review of all geophysical data indicate a correlation; however, the most definitive of all data are the dipole-dipole resistivity profiles. The low resistivity anomalies may represent fractures or other hydrogeologic features that conduct water.

Schlumberger resistivity soundings were not conducted over the specific location of the anomalies detected in the dipole-dipole survey. However, two Schlumberger soundings were conducted over anomalies detected in the gradient array data. The arrays detected low resistivity anomalies at depths of 37 and 47 feet. The anomalies detected in the Schlumberger arrays may be the same or portions of the same anomalies detected in the dipole-dipole data. The locations and orientations of all features and profiles are consistent with that possibility.

H-2.5.3 Between Building 260 and Building 344 Area

Profile 4 is located in the forest between the Building 260 and former Building 344 field areas. The profile indicates one large anomalous zone on the western section of the profile. Resistivities between the 70-m and 80-m marks are also extremely low in the shallow subsurface.

The high magnitude low resistivity anomaly at the 77-m mark of Profile 4 was reported to be caused by a sewer line. However, the low resistivity values surrounding the anomaly and on the western section of the profile may be indicative of water.

A major zone of low resistivity occurs from approximately the surface to a depth of approximately 70 to 80 ft along the western section of Profile 4. This thick low resistivity zone becomes dramatically thin at the 215-m mark (705 ft) on the eastern side of the profile. The feature is likely caused by a change in hydrogeologic conditions at that location. Subsurface materials are likely less permeable toward the east (consistent with resistivities). It is likely caused by variations in subsurface physical conditions (different tuff flow properties or small fractured block, etc.).

The 215-m mark on Profile 4 correlates very closely with the zero SP contour in the vicinity. Figure H-2.3-1 indicates the SP contours as they extend through the forested area near Profile 4. The 215-m mark correlates well with the zero contour or eastern limits of SP anomalous values.

The low resistivity anomalous zone on the western side the Profile 4 is located within the high magnitude negative SP values. East of the 215-m mark resistivities are dramatically higher and SP contours become positive and continue to increase.

The thick low resistivity zone may be indicative of the overall presence of high moisture conditions. Resistivities vary within that zone which indicate varying conditions; however, the overall zone is likely

one of higher moisture content than adjacent areas to the east and materials at depth. For example, low resistivities within the zone at the 110-m mark may represent a localized groundwater conduit.

4.0 DISCUSSION

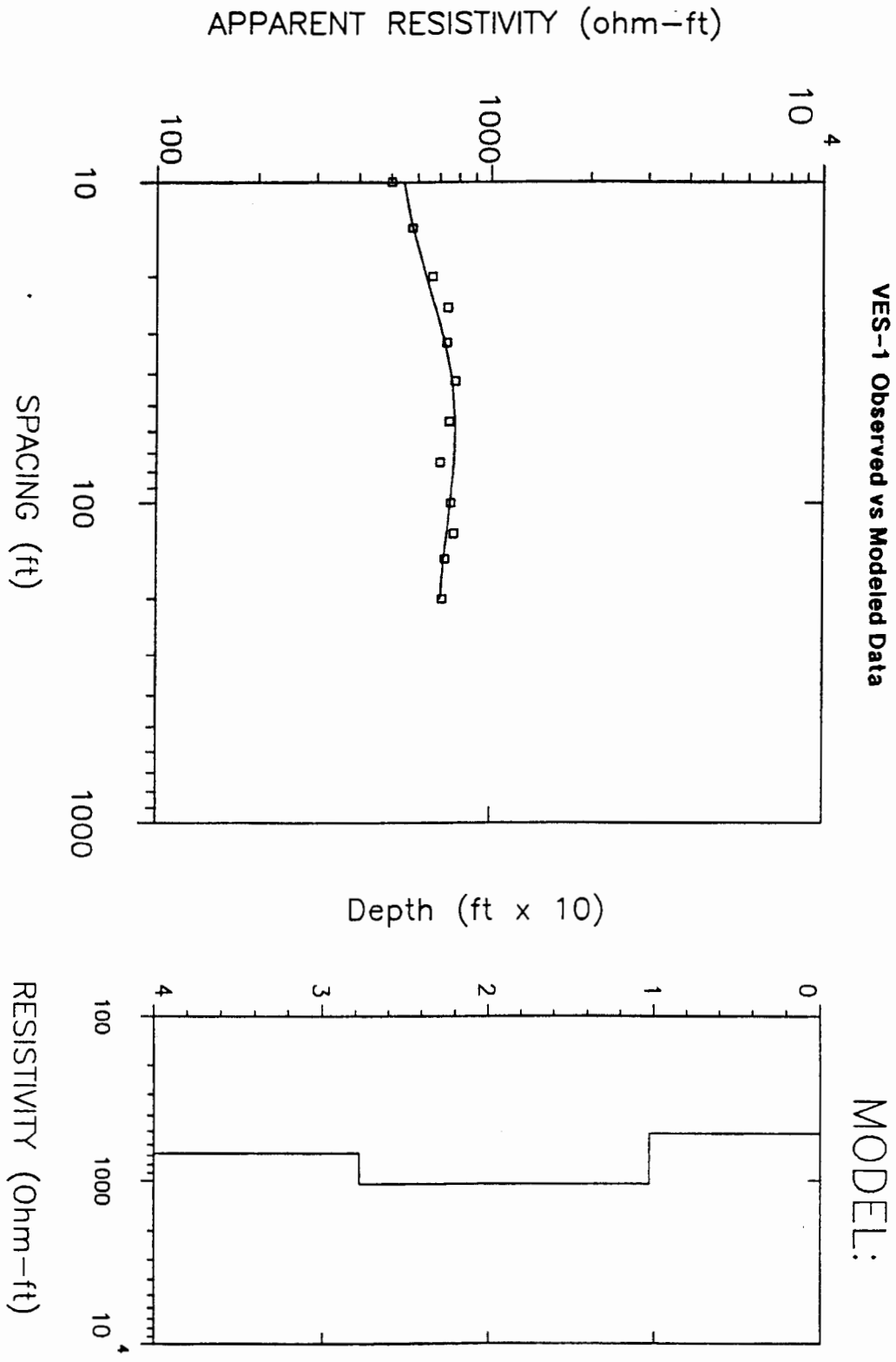
The dipole-dipole data obtained from the TA-16 Building 260 and Building 344 field areas exhibit the best resolution of all the methods conducted in the vicinity. Although the cause of the SP "anomalous zone" is not completely understood it appears to correlate well with the dipole-dipole, Schlumberger, and gradient array resistivity data (with the exception of the one anomaly detected in the gradient array data that was later determined to have a shallow source), as indicated on figure H-2.3-1.

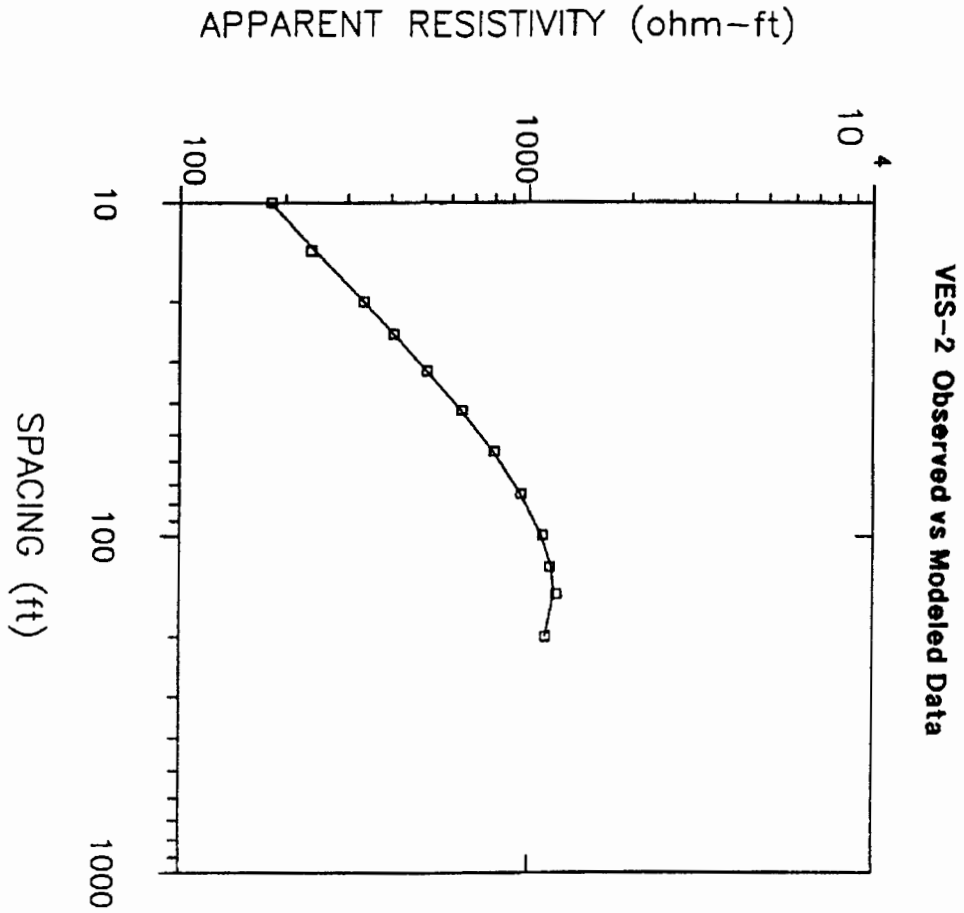
Anomalies detected along the dipole-dipole profiles correlate relatively well with the known locations of subsurface saturated areas and springs or seeps. However, the degree of connection between the anomalies can only be assessed with additional dipole-dipole profiles (if the information is necessary).

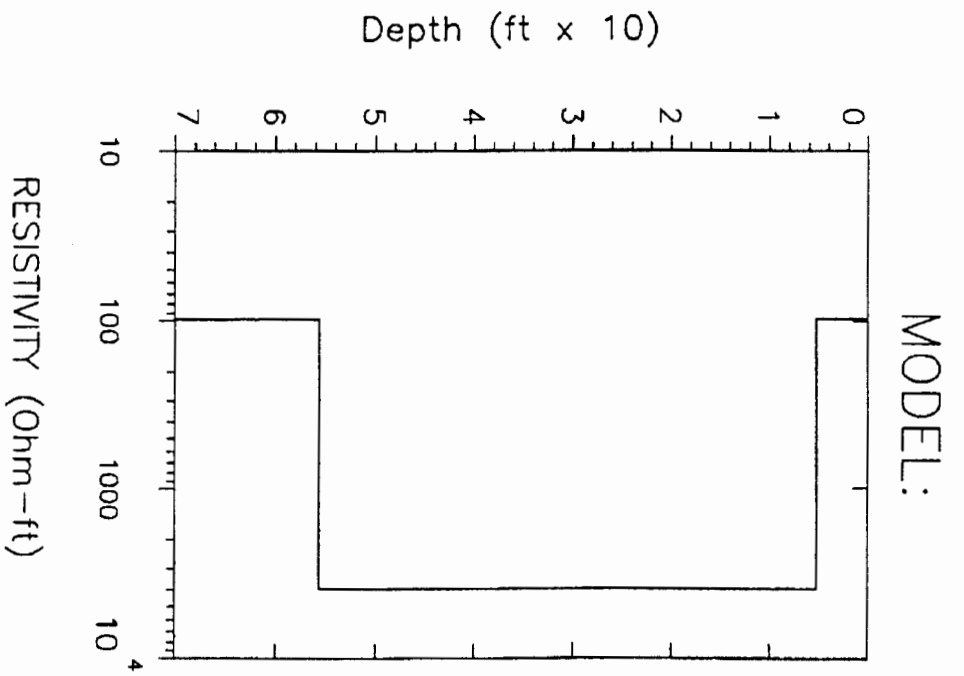
At the Building 344 field area low resistivity anomalies occur in an area consistent with the location of Martin Spring. A sewer line trends through the same location and a leaking sewer could be the cause of the anomalies. However, the anomalous zone is much wider than that expected from a leaking sewer.

At the Building 260 field area several anomalies occur along the dipole-dipole profiles that are consistent with the location of saturated zones. Some anomalies occur in areas where saturated materials were never encountered during drilling. The saturated zones may be caused by the pond leaking into local fractures that are widespread across the site. These may be locally contained and may not have a large degree of interconnection. They may also be caused by preferred fracture zones or surge beds in the vicinity of the source. These zones or anomalies would exhibit a high degree of interconnection. Strategically located additional dipole-dipole profiles will add information that can more specifically explain these conditions.

ATTACHMENT A. RESULTS OF VES RESISTIVITY SOUNDINGS


VES-1 Observed vs Modeled Data
APPARENT RESISTIVITY (ohm-ft)
10^4
1000
100
10
100
1000
SPACING (ft)
MODEL:
Depth (ft x 10)
0
1
2
3
4
100
1000
10^4
RESISTIVITY (Ohm-ft)


VES-2 Observed vs Modeled Data
APPARENT RESISTIVITY (ohm-ft)
10^4
1000
100
10
100
1000
SPACING (ft)


MODEL:
Depth (ft x 10)
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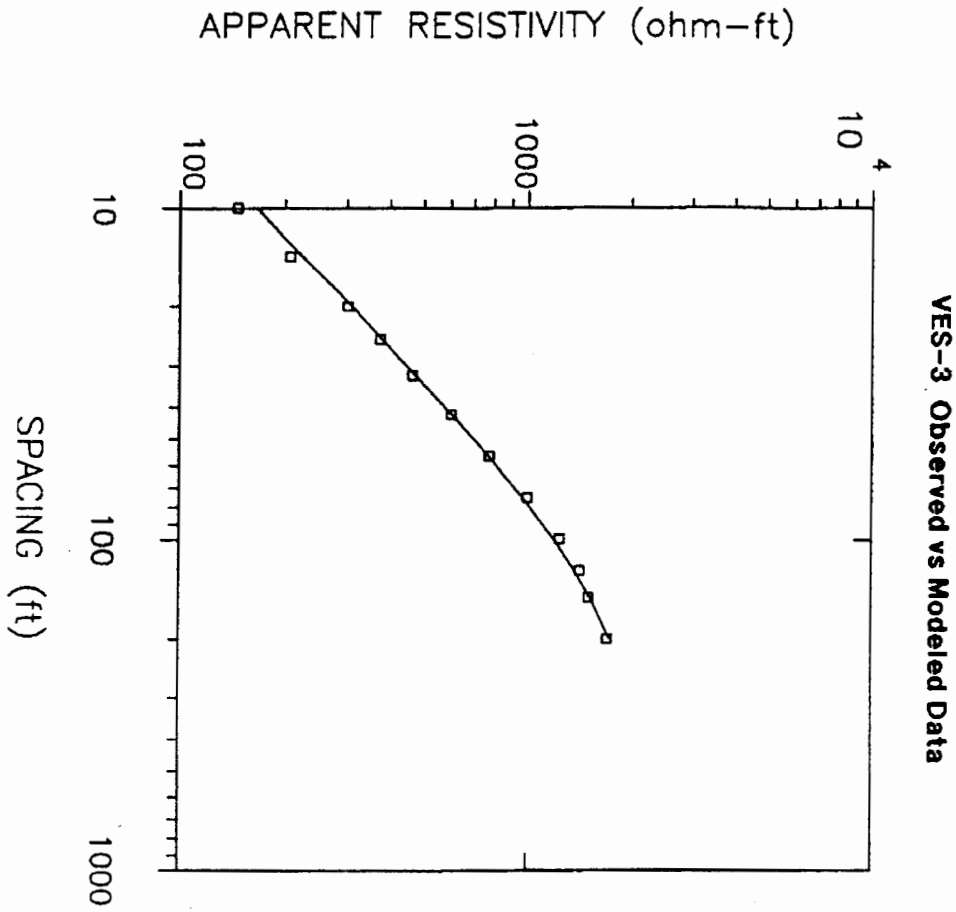
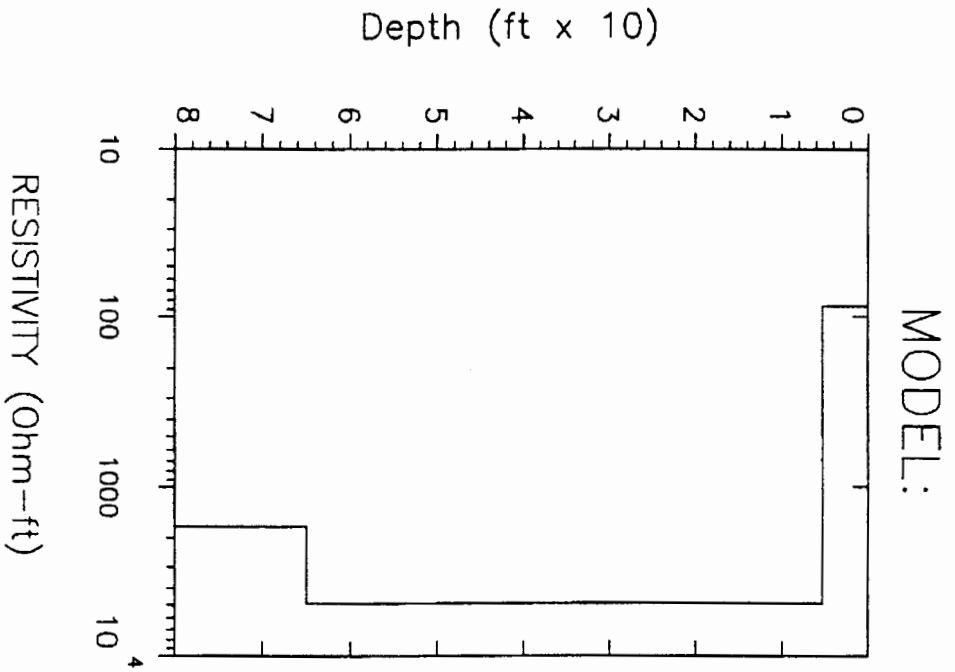
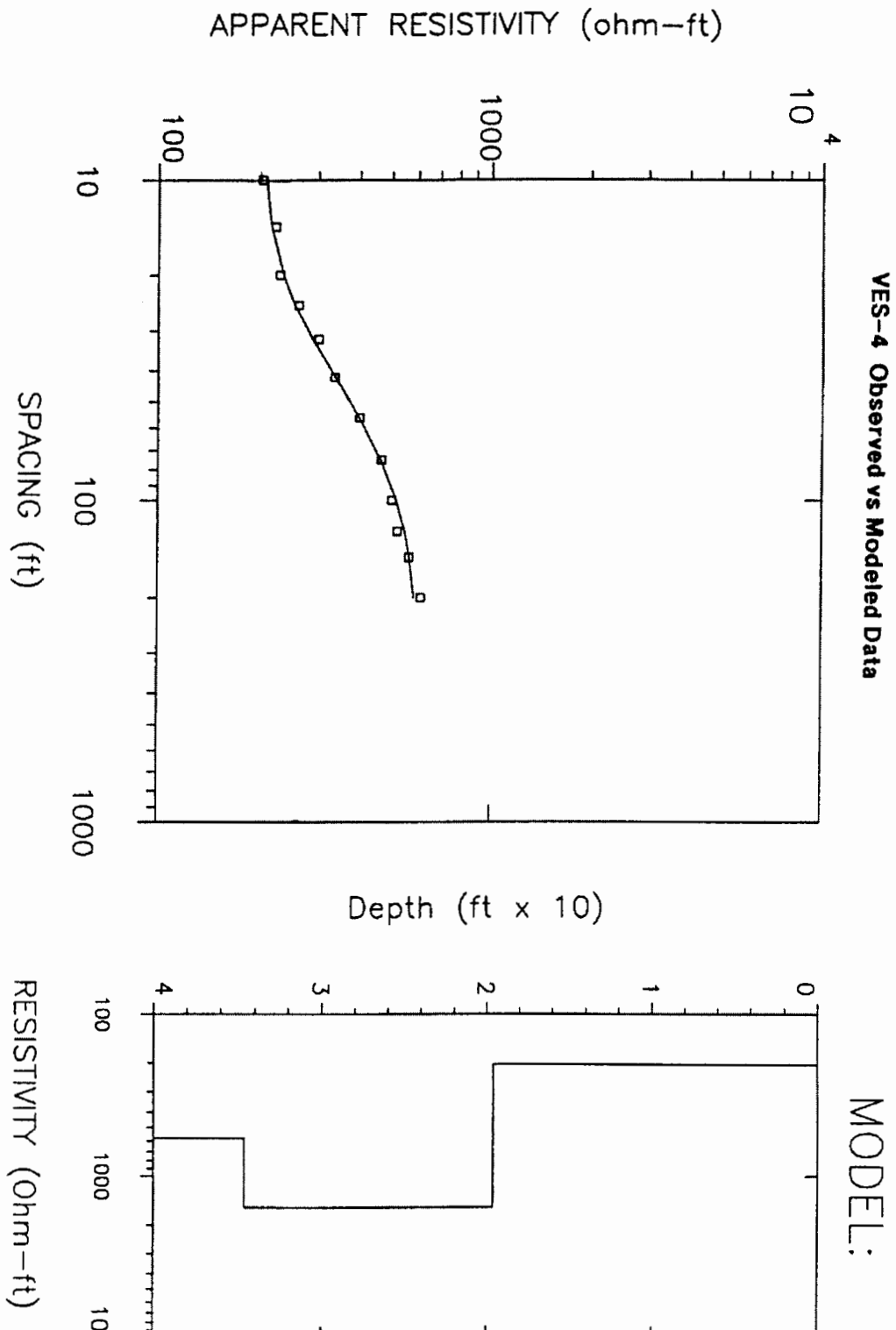
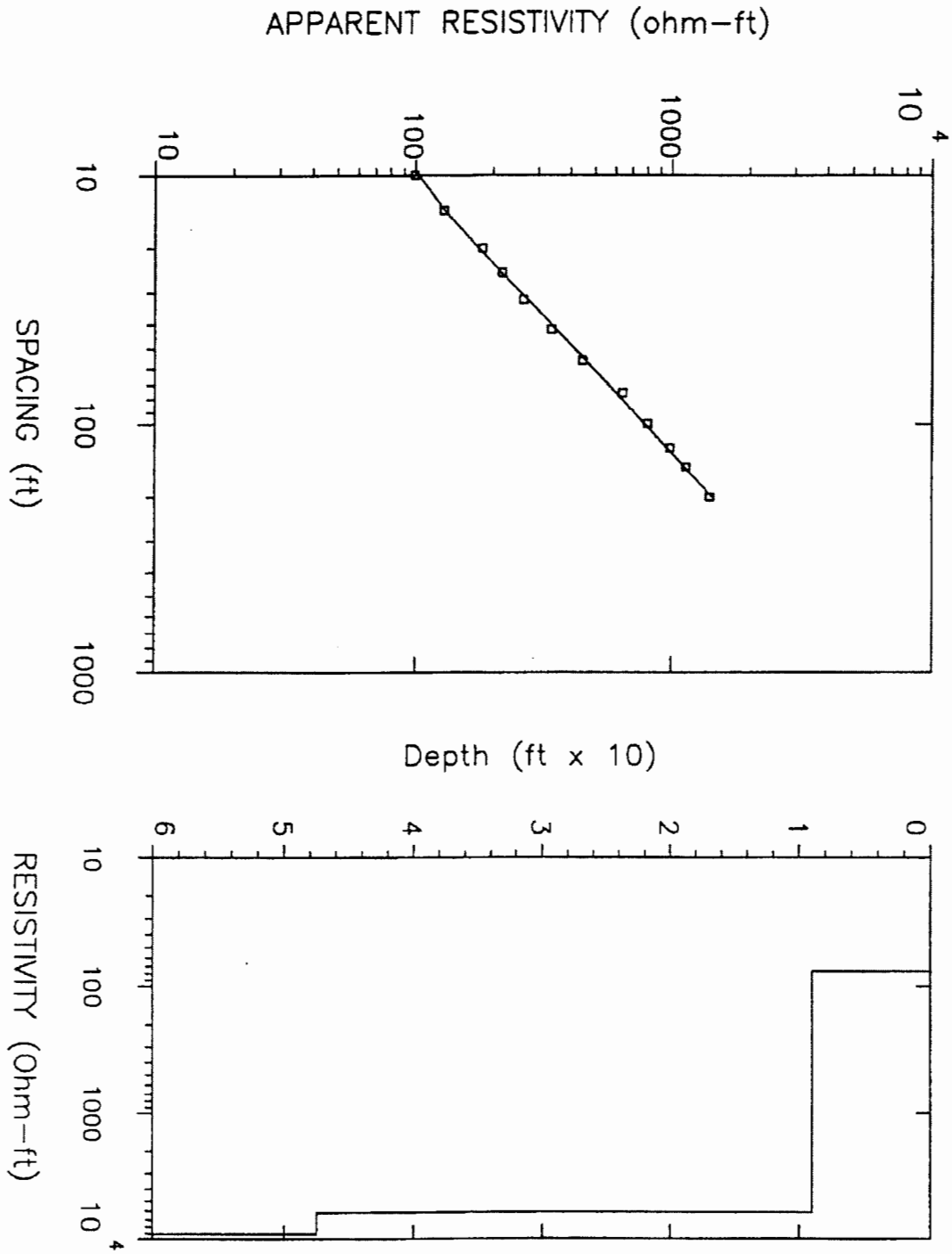
1
2
3
4
5
6
7
10
100
1000
10^4
RESISTIVITY (Ohm-ft)

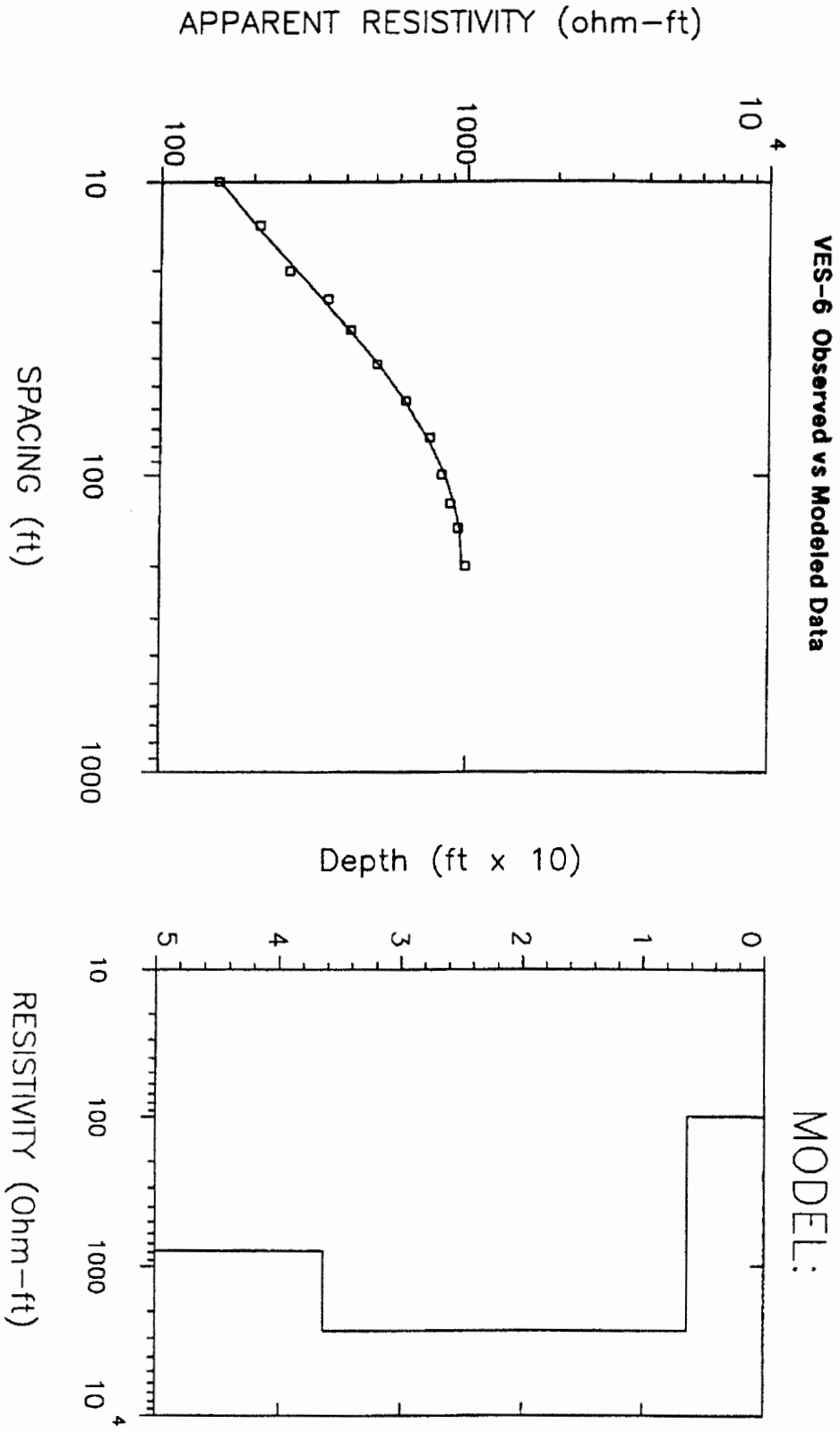

VES-3 Observed vs Modeled Data
APPARENT RESISTIVITY (ohm-ft)
10^4
1000
100
10
100
1000
SPACING (ft)

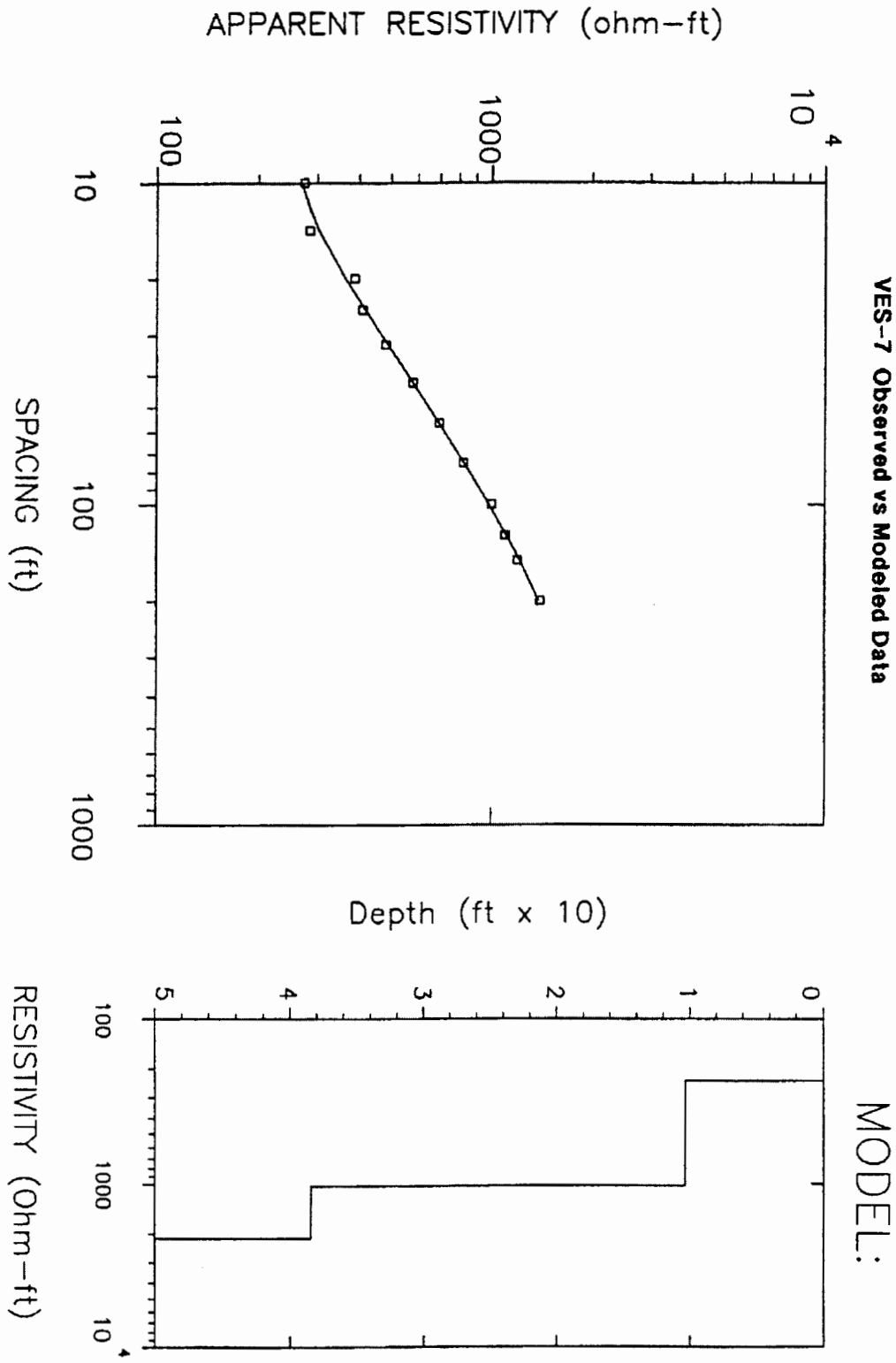

MODEL:
Depth (ft x 10)
0
1
2
3
4
5
6
7
8
10
100
1000
10^4
RESISTIVITY (Ohm-ft)

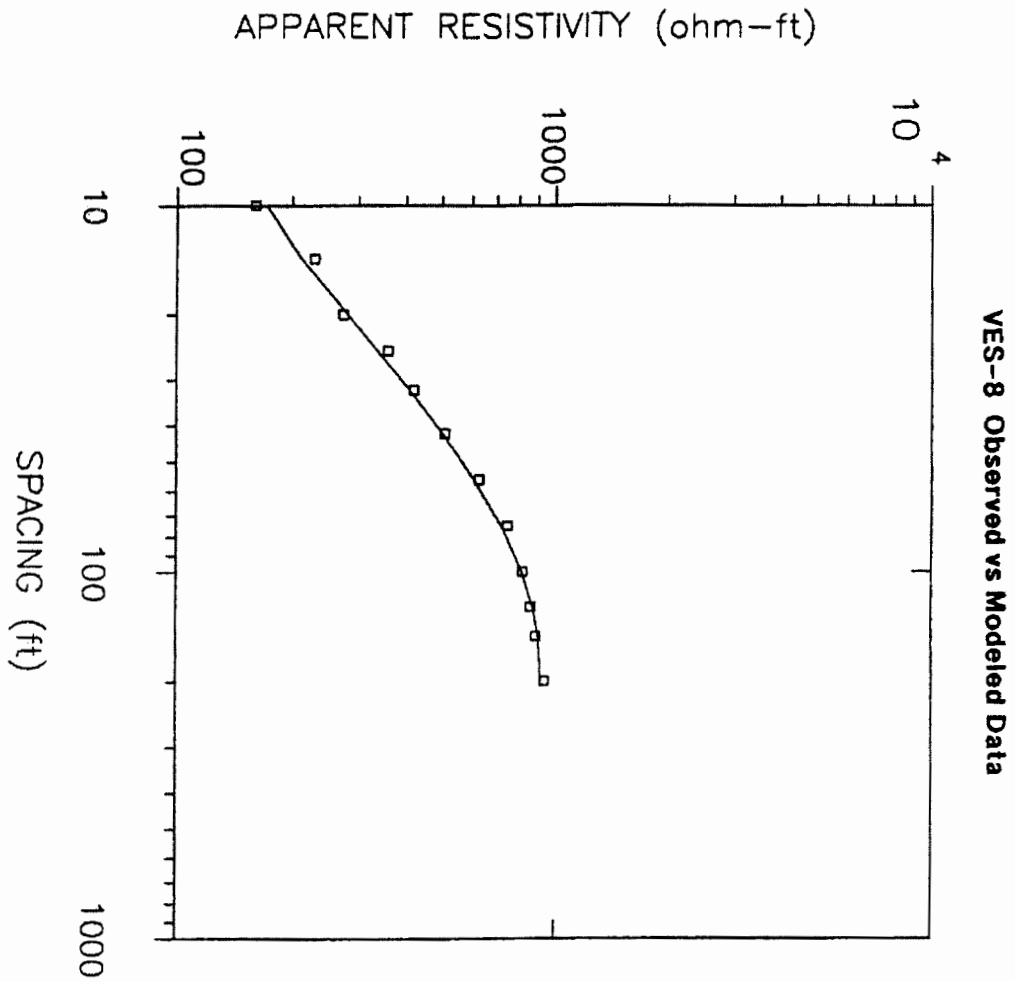

VES-4 Observed vs Modeled Data
APPARENT RESISTIVITY (ohm-ft)
10
1000
100
10
100
1000
SPACING (ft)
MODEL:
Depth (ft x 10)
0
1
2
3
4
100
1000
10
RESISTIVITY (Ohm-ft)

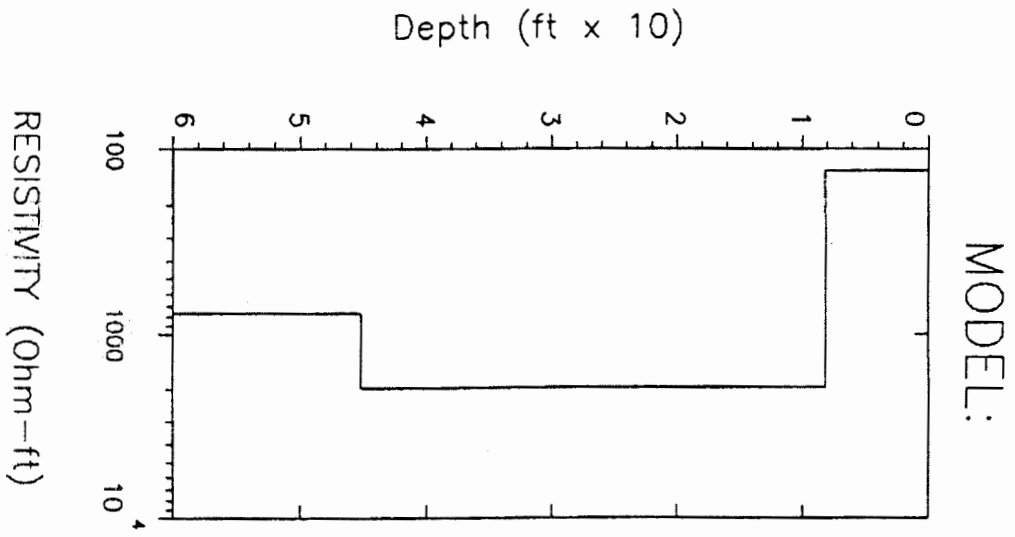
VES-5 Observed vs. Modeled Data




VES-6 Observed vs Modeled Data
APPARENT RESISTIVITY (ohm-ft)
10^4
1000
100
10
100
1000
SPACING (ft)
MODEL:
Depth (ft x 10)
0
1
2
3
4
5
10
100
1000
10^4
RESISTIVITY (Ohm-ft)


VES-7 Observed vs Modeled Data
APPARENT RESISTIVITY (ohm-ft)
10
1000
100
10
100
1000
SPACING (ft)
MODEL:
Depth (ft x 10)
0
1
2
3
4
5
100
1000
10
RESISTIVITY (Ohm-ft)


VES-8 Observed vs Modeled Data
APPARENT RESISTIVITY (ohm-ft)
10^4
1000
100
10
100
1000
SPACING (ft)


MODEL:
Depth (ft x 10)
0
1
2
3
4
5
6
100
1000
10^4
RESISTIVITY (Ohm-ft)

APPENDIX I. ANALYTICAL SUITES AND RESULTS

This appendix presents the environmental data collected during the TA-16-260 outfall investigations. There are two sections: analytical laboratory/screening target analytes and detection limits (DLs); and the actual analytical results in the form of hard copy of the tables. (Some copies of this report also contain electronic versions of these tables.)

I-1.0 TARGET ANALYTES AND DLs

This section presents tables that list the target analytes and DLs for all analyses conducted during this investigation. Analyses are divided into routine and nonroutine analytical services provided by commercial laboratories.

I-1.1 Routine Analytical Suites

I-1.1.1 Inorganic Analyses

Estimated detection limits (EDLs) for inorganic analytes are presented in Table I–1.1-1. For water samples, the EDLs are based on the EPA's Contract Laboratory Program "Contract Required Detection Limits."

Table I-1.1-1
Determination of Metals

Analyte	*ICPAES*[a]		*GFAA or ICP-MS*	
	Water, µg/l	Soils, mg/kg[b]	Water, µg/l	Soils, mg/kg[b]
Aluminum	200	40		
Antimony	60	12		
Arsenic[c]	NR[d]	NR	10	2
Barium	200	40		
Beryllium	5	1		
Cadmium[c,e]	5	1		
Calcium	5000	1000		
Chromium[c,e]	10	2		
Cobalt	50	10		
Copper	25	5		
Cyanide[c]	NR	NR	NR	NR
Iron	100	20		
Lead[c,e]	3	0.6	1	0.2
Magnesium	5000	1000		
Manganese	15	3		

Table I-1.1-1 (concluded)

Analyte	*ICPAES*		*GFAA or ICP-MS*	
	Water, µg/l	Soils, mg/kg	Water, µg/l	Soils, mg/kg
Mercury[f]	NR	NR	NR	NR
Nickel	40	8		
Potassium	5000	1000		
Selenium[c]	NR	NR	5	1
Silver[c,e]	10	2		
Sodium	5000	1000		
Thallium	NR	NR	10	2
Vanadium	50	10		
Zinc	20	4		

[a] Recommended method for inductively coupled plasma atomic emission spectroscopy (ICPAES) analysis is SW6010A.

[b] Soil EDLs for ICPAES, graphite furnace atomic absorption spectroscopy (GFAA), and inductively coupled plasma mass spectroscopy (ICP-MS) analytes are based upon a 1-gram sample taken to a final volume of 200 mL.

[c] Cyanide may be determined using methods SW9010, SW9010A, SW9012, or EPA 335.2; the EDLs for cyanide are 10 µg/L (water) and 0.05 mg/kg (soils).

[d] NR = not recommended; analyte should not be determined using this method.

[e] Atomic absorption (AA) methods or ICP-MS may also be used for these analytes.

[f] Mercury should be determined by the cold vapor technique with an EDL for water = 0.2 µg/L and an EDL for soils = 0.1 mg/kg.

In cases where the EDL for a metal cannot be met using ICPAES, or where false positives are known to be a problem historically within a laboratory, the subcontractor must use the GFAA technique (e.g., method SW7841 for thallium and method SW7421 for lead) or the ICP-MS technique (e.g., method SW6020).

Toxicity characterization leaching procedure (TCLP) metals are identified with an asterisk (*) in Table I-1.0-1. Laboratories should consider EDLs for TCLP metals using TCLP to be the regulatory limits. Method SW-1311 (7/92) is the method to be used for TCLP.

I-1.1.2 Organic Analytes

Table I-1.1-2 identifies the volatile target analytes and associated Estimated Quantitation Limits (EQLs). The US EPA methods that are available for use are method SW8260 (11/90 or more recent) or the CLP method for volatiles (OLM02.0 or more recent, using capillary column). These methods are based on purge-and-trap sample extraction/concentration followed by gas chromatography/mass spectrometry analysis. Tentatively Identified Compounds (TICs) may be requested. If requested, they should be identified and quantitated per the CLP method for volatiles (OLM02.0 or more recent).

Table I-1.1-2
Volatile Target Analytes and EQLs

Target Analyte	Water, µg/l l	Soil/Solids, mg/kg
Chloromethane	10	10
Vinyl Chloride	10	10
Bromomethane	10	10
Chloroethane	10	10
Acetone	20	20
Dichlorodifluoromethane	10	10
Iodomethane	5	5
Trichlorotrifluoroethane	5	5
Trichlorofluoromethane	5	5
Methylene Chloride	5	5
1,1-Dichloroethene	5	5
Carbon Disulfide	5	5
1,1-Dichloroethane	5	5
1,2-Dichloroethene (total)	10	10
Bromochloromethane	5	5
Chloroform	5	5
1,2-Dichloroethane	5	5
1,1-Dichloropropene	5	5
2-Butanone	20	20
2,2-Dichloropropane	5	5
1,1,1-Trichloroethane	5	5
Carbon Tetrachloride	5	5
Benzene	5	5
1,2-Dichloropropane	5	5
Trichloroethene	5	5
Dibromomethane	5	5
Bromodichloromethane	5	5
t-1,3-Dichloropropene	5	5
c-1,3-Dichloropropene	5	5
1,1,2-Trichloroethane	5	5
1,3-Dichloropropane	5	5
Chlorodibromomethane	5	5
4-Methyl-2-Pentanone	20	20
Toluene	5	5
2-Hexanone	20	20
1,2-Dibromoethane	5	5
Tetrachloroethene	5	5
Chlorobenzene	5	5
1,1,1,2-Tetrachloroethane	5	5

Table I-1.1-2 (concluded)

Target Analyte	Water, µg/l l	Soil/Solids, mg/kg
Ethylbenzene	5	5
o,m,p-Xylene (mixed)	5	5
Styrene	5	5
Bromoform	5	5
1,1,2,2,-Tetrachloroethane	5	5
1,2,3-Trichloropropane	5	5
Isopropylbenzene	5	5
Bromobenzene	5	5
n-Propylbenzene	5	5
2-Chlorotoluene	5	5
4-Chlorotoluene	5	5
1,3,5-Trimethylbenzene	5	5
tert-Butylbenzene	5	5
1,2,4-Trimethylbenzene	5	5
sec-Butylbenzene	5	5
1,3-Dichlorobenzene	5	5
1,4-Dichlorobenzene	5	5
p-Isopropyltoluene	5	5
1,2-Dichlorobenzene	5	5
n-Butylbenzene	5	5
1,2-Dibromo-3-Chloropropane	10	10

Table I-1.1-3 identifies the semivolatile target analytes and associated EQLs. The US EPA methods that are options for use are method SW-8270 (11/90 or more recent) or the CLP method for semivolatiles (OLM02.0 or more recent). These methods are based on solvent extraction, concentration, and gas chromatography and mass spectroscopy (GC/MS) detection and quantitation. Tentatively Identified Compounds (TICs) may be requested. If requested, they should be identified and quantitated per the CLP method for semivolatiles (OLM02.0 or more recent).

Table I-1.1-3
Semivolatile Target Analytes and Associated EQLs

Target Analyte	Water, µg/L	Soil/Solids, mg/kg[a]
Acenaphthene	10	330
Acenaphthylene	10	330
Aniline	20	660
Anthracene	10	330
Azobenzene	20	660
Benzo(a)anthracene	10	330
Benzoic acid	50	3300
Benzo(b)flouranthene	10	330
Benzo(K)flouranthene	10	330
Benzo(g,h,i)perylene	10	330
Benzo(a)pyrene	10	330
Benzyl alcohol	20	1300
Bis(2-chloroethoxy)methane	10	330
Bis(2-chloroethyl)ether	10	330
4-Bromophenyl phenylether	10	330
Butylbenzylphthalate	10	330
4-Chloroaniline	20	1300
4-Chloro-3-methylphenol	20	660
2-Chloronaphthalene	10	330
2-Chlorophenol	10	330
4-Chlorophenyl phenylether	10	330
Chrysene	10	330
Dibenz(a,h)anthracene	10	330
Dibenzofuran	10	330
1,2-Dichlorobenzene	10	330
1,3-Dichlorobenzene	10	330
1,4-Dichlorobenzene	10	330
3,3'-Dichlorobenzidine	20	660
2,4-Dichlorophenol	10	330
Diethylphthalate	10	330
Dimethyl phthalate	10	330
2,4-Dimethylphenol	10	330
2,4-Dinitrophenol	50	1600
Di-n-butylphthalate	10	330
4,6-Dinitro-2-methylphenol	50	1600
2,4-Dinitrotoluene	10	330
2,6-Dinitrotoluene	10	330

Table I-1.1-3 (concluded)

Target Analyte	Water, µg/L	Soil/Solids, mg/kg
Di-n-octyl phthalate	10	330
Bis(2-ethylhexyl)phthalate	10	330
Fluoranthene	10	330
Fluorene	10	330
Hexachlorobenzene	10	330
Hexachlorobutadiene	10	330
Hexachlorocyclopentadiene	10	330
Hexachloroethane	10	330
Indeno(1,2,3-cd)pyrene	10	330
Isophorone	10	330
2-Methylnaphthalene	10	330
2-Methylphenol	10	330
4-Methylphenol	10	330
Naphthalene	10	330
2-Nitroaniline	50	1600
3-Nitroaniline	50	1600
4-Nitroaniline	20	660
Nitrobenzene	10	330
2-Nitrophenol	10	330
4-Nitrophenol	50	1600
N-Nitrosodimethylamine	10	330
N-Nitrosodiphenylamine	10	330
N-Nitroso-di-n-propylamine	10	330
2,2'-oxybis(1-Chloropropane)	10	330
Pentachlorophenol	50	1600
Phenanthrene	10	330
Phenol	10	330
Pyrene	10	330
1,2,4-Trichlorobenzene	10	330
2,4,5-Trichlorophenol	50	1600
2,4,6-Trichlorophenol	10	330

[a] EQLs for soil are based on Gel Permeation Chromatography (GPC) cleanup not being performed. The laboratories' GPC equipment will determine what the EQL is, based on the volume of extract the GPC equipment uses. However, if possible, the laboratories should concentrate the GPC extract to a volume that makes the EQL for a sample that underwent GPC cleanup no more than twice the listed EQL.

I-1.1.3 High Explosives

Table I-1.1-4 presents the high explosives (HE) target analytes for method SW8330 and associated EQLs.

Table I-1.1-4
Nitroaromatic and Nitramine HE Target Analytes and EQLs

Target Analyte	Abbreviation	EQL[a]		
		Waters, µg/L		*Soils, mg/Kg*
		Low Level	High Level	
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine	*(HMX)*	ND	*13.0*	2.2
Hexahydro-1,3,5-trinitro-1,3,5-triazine	(RDX)	0.84	14.0	1.0
1,3,5-Trinitrobenzene	(1,3,5-TNB)	0.26	7.3	0.25
1,3-Dinitrobenzene	(1,3-DNB)	0.11	4.0	0.25
Methyl-2,4,6-trinitrophenylnitramine	(Tetryl)	ND	20.0	0.65
Nitrobenzene	(NB)	ND	6.4	0.26
2,4,6-Trinitrotoluene	(2,4,6-TNT)	0.11	6.9	0.25
4-Amino-2,6-dinitrotoluene	(4-ADNT)	0.06	ND	ND
2-Amino -4,6-dinitrotoluene	(2-ADNT)	0.035	ND	0.26
2,4-Dinitrotoluene	(2,4-DNT)	0.02	5.7	0.25
2,6-Dinitrotoluene	(2,6-DNT)	0.31	9.4	0.26
2-Nitrotoluene	(2-NT)	ND	12.0	0.25
3-Nitrotoluene	(3-NT)	ND	7.9	0.25
4-Nitrotoluene	(4-NT)	ND	8.5	0.25

[a] If *ND* appears in a cell, the EQL has not been determined. In those cases, assume an EQL of 1.0 µg/L for the low-level waters, and an EQL of 10 µg/L for the high waters where values are missing.

I-1.1.4 Radiochemical Analytes

Table I-1.1-5 presents EQLs for commonly determined individual radiochemical analytes as well as analyte suites. The gamma spectroscopy analyte suite (see "Multiple Isotopes" in Table I-1.1-5) is defined by Table I-1.1-6.

Table I-1.1-5
Target Analyte EQL[a] by Matrix—
pCi/g or pCi/L Unless Otherwise Indicated

Analyte	Soil	Water	Technique[b]
Gross alpha/beta	10.0	3.0	gas-proportional
Gross alpha/beta	10.0	NA	liquid scintillation
Uranium-234, -235, -238	0.1	0.1	alpha spectroscopy
Uranium-234, -235, -238	0.1	0.1	ICP-MS-FIA (commonly requested nonroutine analysis)
Multiple isotopes (Table H-6b)	Am-241: 1 Cs-137: 1	Am-241: 20 Cs-137: 20	gamma spectroscopy
Gross gamma	2.0	100	NaI(Tl) or HPGE detection
Total uranium	0.5 mg/g	1 µg/L	KPA[c] (commonly requested nonroutine analysis)
Total uranium	0.5 mg/g	1 µ/L	ICP-MS (commonly requested nonroutine analysis)

a EQL = estimated quantitation limit.

b The Los Alamos National Laboratory methods for these analytes are contained in LA-10300-M, "Health and Environmental Chemistry: Analytical Techniques, Data Management, and Quality Assurance."

c KPA = kinetic phosphorescence analysis; also referred to as pulsed-laser phosphorimetry (ASTM method D5174-91) or kinetic laser phosphorescence.

Table I-1.1-6
Gamma Spectroscopy Analyte Requirements

Nuclide Symbol	Nuclide Name
Ac-228	actinium-228
Am-241	americium-241
Ann Rad	annihilation radiation
Ba-140	barium-140
Bi-211	bismuth-211
Bi-212	bismuth-212
Bi-214	bismuth-214
Cd-109	cadmium-109
Ce-139	cerium-139
Ce-144	cerium-144
Co-57	cobalt-57
Co-60	cobalt-60
Cs-134	cesium-134
Cs-137	cesium-137
Eu-152	europium-152
Hg-203	mercury-203
K-40	potassium-40
La-140	lanthanum-140
Mn-54	manganese-54
Na-22	sodium-22
Np-237	neptunium-237
Pa-231	protactinium-231
Pa-233	protactinium-233
Pa-234m	protactinium-234m
Pb-211	lead-211
Pb-212	lead-212
Pb-214	lead-214
Ra-223	radium-223
Ra-224	radium-224
Ra-226	radium-226
Ru-106	ruthenium-106
Rn-219	radon-219
Se-75	selenium-75
Sn-113	tin-113
Sr-85	strontium-85
Th-227	thorium-227
Th-234	thorium-234

Table I-1.1-6 (concluded)

Nuclide Symbol	Nuclide Name
Tl-208	thallium-208
U-235	uranium-235
Y-88	yttrium-88
Zn-65	zinc-65

I-1.2 Nonroutine Analyses

The nonroutine analyses performed during this investigation included water quality parameters and anions.

Table I-1.2-1 lists the suite of water quality parameters and nitrogen as nitrate and nitrite. There are no contractually required EQLs specified for these parameters. Adequate detection limits are established and confirmed by the analytical laboratory for individual analyses. Other metals, such as titanium and rubidium, were analyzed in an expanded suite of water quality parameters without any contractually required EQLs.

Table I-1.2-1
Water Quality Parameters

Analyte	EQL
Alkalinity, Total	5 mg/l
Boron	Not available
Bromide	2 mg/l
Calcium	See Table I-1.1-1
Chloride	2 mg/l
Conductivity	1 umho/cm
Fluoride	0.1 mg/l
pH	none
Potassium	See Table I-1.1-1
Silicon	Not available
Sodium	See Table I-1.1-1
Solids, Total Dissolved	10 mg/l
Solids, Total Suspended	10 mg/l
Sulfate	1 mg/l
Turbidity	0.1 NTU
Nitrate/nitrite	0.05 mg/l

I-1.3 Field Analyses

Field screening was conducted for HE only. Field screening using the HE spot test kit has a detection limit of approximately 100 ppm for any combination of HE listed in Table I-1.1-4. The DTech immunoassay test kit for RDX and TNT and the Ensys colorimetric test kit for RDX and TNT have detection limits for the HE listed in Table I-1.3-1 below.

Table I-1.3-1
Field Screening DLs

Test Kit	HE	Minimum DL in Soil (ppm)	Minimum DL in Water (ppb)
DTECH RDX	RDX	0.5	5
DTECH RDX	HMX	15	150
DTECH TNT	TNT	0.5	5
DTECH TNT	Tetryl	1.5	15
DTECH TNT	TNB	2	20
DTECH TNT	2-amino-4,6-DNT	3	30
DTECH TNT	2,4-DNT	12	120
Ensys RDX	RDX	1	Not applicable
Ensys RDX	HMX	1.25	Not applicable
Ensys RDX	PETN	1	Not applicable
Ensys RDX	Nitroglycerine	3.3	Not applicable
Ensys RDX	Nitroguanadine	14.3	Not applicable
Ensys RDX	Nitrocellulose	50	Not applicable
Ensys TNT	TNT	1	Not applicable
Ensys TNT	2,4-DNT	1.1	Not applicable
Ensys TNT	2,6-DNT	0.6	Not applicable
Ensys TNT	TNB	1	Not applicable

I-2.0 ANALYTICAL RESULTS

This appendix presents all analytical results associated with the investigation of the 260 outfall. Section 2 contains data from Phase I and Phase II investigations at the source area. Section 3 contains 1994 data (TA-16 Material Disposal Area P Closure Plan), 1996 data (Cañon de Valle Sampling Report) and Phase II investigation data from the alluvial system. Section 4 contains Phase II investigation data and historical data from the springs and deep boreholes.

Analytical results are provided in hard copy here (following this text) and electronically (with more detail) in Excel 4.0 spreadsheet format on 14 3.5-in. diskettes (in clear plastic binder sleeves). These diskettes are included with those copies of the report that state "Data disks included with this copy" on the front cover.

Electronic copies of analytical results are also available from the ER Project's Facility for Information Management, Analysis, and Display (FIMAD), excluding the surface water background data set, spring water background data set, and historical data used in sections 3 and 4. FIMAD personnel have verified all FIMAD data for accuracy before these data have been submitted. The data that are not available in FIMAD can be obtained from the HE Production Sites team files.

The surface water background data set presented here and used in Section 2 consists of surface water data from Los Alamos Canyon and Pajarito Canyon. The spring water background data set presented here and used in Section 3 consists of spring water data from Apache Spring, Pine Spring, Seven Springs, Upper Cañon de Valle, and Water Canyon Gallery. The reason these data sets are not in FIMAD is because collection is ongoing, and because they have not been approved by NMED.

All the historical data were generated in LANL's EES-1 analytical laboratory. These data were presented in Appendix C to the Phase I RFI report issued in September 1996. These data are not in FIMAD, but are provided for completeness and for comparison purposes. They have not been used directly for decision-making purposes.

All the tables presented in the main text of this report were generated from the following analytical result tables:

- Table I-2.0-1. Inorganic Chemicals in Drainage Sediments Samples
- Table I-2.0-2. High Explosive Chemicals in Drainage Sediments Samples
- Table I-2.0-3. Volatile Chemicals in Drainage Sediments Samples
- Table I-2.0-4. Semivolatile Chemicals in Drainage Sediments Samples
- Table I-2.0-5. Inorganic Chemicals in Borehole Soil and Tuff Samples
- Table I-2.0-6. High Explosive Chemicals in Borehole Soil and Tuff Samples
- Table I-2.0-7. Volatile Chemicals in Borehole Soil and Tuff Samples
- Table I-2.0-8. Semivolatile Chemicals in Borehole Soil and Tuff Samples

- Table I-3.0-1. Inorganic Chemicals in Surface Sediments Samples
- Table I-3.0-2. Radionulides in Surface Sediments Samples
- Table I-3.0-3. High Explosive Chemicals in Surface Sediments Samples
- Table I-3.0-4. Volatile and Semivolatile Chemicals in Surface Sediments Samples
- Table I-3.0-5. Inorganic Chemicals in Alluvial Boreholes Sediments Samples
- Table I-3.0-6. High Explosive Chemicals in Alluvial Boreholes Sediments Samples
- Table I-3.0-7. Volatile and Semivolatile Chemicals in Alluvial Boreholes Sediments Samples
- Table I-3.0-8. Inorganic Chemicals in Surface Water Samples
- Table I-3.0-9. Water Quality Chemicals in Surface Water Samples
- Table I-3.0 – 10. Radionuclides in Surface Water Samples
- Table I-3.0 – 11. High Explosive Chemicals in Surface Water Samples
- Table I-3.0 – 12. Volitale and Semivolatile Chemicals in Surface Water Samples
- Table I-3.0 – 13. Inorganic Chemicals in Alluvial Water Samples
- Table I-3.0 – 14. Water Quality Chemicals in Alluvial Water Samples

- Table I-3.0 – 15. High Explosive Chemicals in Alluvial Water Samples
- Table I-3.0 – 16. Volatile and Semivolatile Chemicals in Alluvial Water Samples
- Table I-3.0 – 17. Inorganic Chemicals in Historical Samples
- Table I-3.0 – 18. High Explosive Chemicals in Historical Samples
- Table I-3.0 – 19. Surface Water Background Data Set

- Table I-4.0 – 1. Inorganic Chemicals in Deep Boreholes Tuff Samples
- Table I-4.0 – 2. High Explosive Chemicals in Deep Boreholes Tuff Samples
- Table I-4.0 – 3. Volatile Chemicals in Deep Boreholes Tuff Samples
- Table I-4.0 – 4. Semivolatile Chemicals in Deep Boreholes Tuff Samples
- Table I-4.0 – 5. Inorganic Chemicals in Deep Boreholes Water Samples
- Table I-4.0 – 6. High Explosive Chemicals in Deep Boreholes Water Samples
- Table I-4.0 – 7. Volatile and Semivolatile Chemicals in Deep Boreholes Water Samples
- Table I-4.0 – 8. Inorganic Chemicals in Springs Samples
- Table I-4.0 – 9. Water Quality Chemicals in Springs Samples
- Table I-4.0 – 10. High Explosive Chemicals in Springs Samples
- Table I-4.0 – 11. Volatile Chemicals in Springs Samples
- Table I-4.0 – 12. Semivolatile Chemicals in Springs Samples
- Table I-4.0 – 13. Inorganic Chemicals in Historical Samples
- Table I-4.0 – 14. High Explosive Chemicals in Historical Samples
- Table I-4.0 – 15. Volatile Chemicals in Historical Samples
- Table I-4.0 – 16. Tritium and Stable Isotopes in Historical Samples
- Table I-4.0 – 17. Spring Water Background Data Set

Below is a guide to which tables are on which data diskettes:

Data Disk #1	Table I-2.0-1, Table-2.0-2, Table I-2.0-3
Data Disk #2	Table I-2.0-4
Data Disk #3	Table I-2.0-5
Data Disk #4	Table I-2.0-6, Table I-2.0-7
Data Disk #5	Table I-2.0-8
Data Disk #6	Table I-3.0-1, Table I-3.0-2, Table I-3.0-3
Data Disk #7	Table I-3.0-4, Table I-3.0-5, Table I-3.0-6
Data Disk #8	Table I-3.0-7, Table I-3.0-8, Table I-3.0-9, Table I-3.0-10
Data Disk #9	Table I-3.0-11, Table I-3.0-12a[a]
Data Disk #10	Table I-3.0-12b[a], Table I-3.0-13, Table I-3.0-14, Table I-3.0-15
Data Disk #11	Table I-3.0-16, Table I-3.0-17, Table I-3.0-18, Table I-3.0-19
Data Disk #12	Table I-4.0-1, Table I-4.0-2, Table I-4.0-3, Table I-4.0-4, Table I-4.0-5, Table I-4.0-6, Table I-4.0-7
Data Disk #13	Table I-4.0-8, Table I-4.0-9, Table I-4.0-10, Table I-4.0-11
Data Disk #14	Table I-4.0-12, Table I-4.0-13, Table I-4.0-14, Table I-4.0-15, Table I-4.0-16, Table I-4.0-17

[a] Table I-3.0-12 is saved in two files: Table I-3.0-12a and Table I-3.0-12b

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RFI Report for Potential Release Site

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Volume 2 of 3

Environmental Restoration Project
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Table I-2.0-1
Inorganic Chemicals in Drainage Sediments Samples

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Aluminum	21700	MG/KG	none
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Antimony	6.2	MG/KG	U
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Arsenic	2.2	MG/KG	J
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Barium	583	MG/KG	J+
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Beryllium	1.5	MG/KG	none
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Cadmium	0.62	MG/KG	U
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Calcium	3480	MG/KG	none
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Chromium, Total	14.8	MG/KG	none
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Cobalt	7.6	MG/KG	none
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Copper	9.4	MG/KG	none
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Cyanide, Total	1.2	MG/KG	U
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Iron	18100	MG/KG	none
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Lead	15.2	MG/KG	none
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Magnesium	2310	MG/KG	none
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Manganese	487	MG/KG	J
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Mercury	0.06	MG/KG	U
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Nickel	11.5	MG/KG	none
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Potassium	1300	MG/KG	none
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Selenium	0.3	MG/KG	UJ
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Silver	0.62	MG/KG	U
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Sodium	431	MG/KG	J
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Thallium	0.24	MG/KG	U
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Uranium	2.39	MG/KG	none
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Vanadium	29.2	MG/KG	none
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Zinc	32.7	MG/KG	none
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Aluminum	5650	MG/KG	none
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Antimony	5.5	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Arsenic	1.7	MG/KG	none

Table I-2.0-1 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Barium	498	MG/KG	J+
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Beryllium	0.88	MG/KG	none
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Cadmium	0.55	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Calcium	1820	MG/KG	none
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Chromium, Total	6.7	MG/KG	none
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Cobalt	11.1	MG/KG	none
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Copper	4.2	MG/KG	none
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Cyanide, Total	1.1	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Iron	9790	MG/KG	none
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Lead	10.7	MG/KG	none
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Magnesium	959	MG/KG	none
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Manganese	1380	MG/KG	J
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Mercury	0.05	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Nickel	7.5	MG/KG	none
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Potassium	799	MG/KG	none
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Selenium	0.28	MG/KG	UJ
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Silver	0.55	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Sodium	345	MG/KG	J
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Thallium	0.22	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Uranium	2.51	MG/KG	none
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Vanadium	22.2	MG/KG	none
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Zinc	16.7	MG/KG	none
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Aluminum	3960	MG/KG	none
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Antimony	5.4	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Arsenic	1	MG/KG	J
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Barium	1170	MG/KG	J+
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Beryllium	0.73	MG/KG	none
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Cadmium	0.54	MG/KG	U

Table I-2.0-1 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Calcium	1370	MG/KG	none
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Chromium, Total	5	MG/KG	none
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Cobalt	4.3	MG/KG	J
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Copper	5.3	MG/KG	none
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Cyanide, Total	1.1	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Iron	7510	MG/KG	none
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Lead	10.8	MG/KG	none
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Magnesium	792	MG/KG	none
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Manganese	460	MG/KG	J
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Mercury	0.05	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Nickel	4.7	MG/KG	none
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Potassium	675	MG/KG	none
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Selenium	0.27	MG/KG	UJ
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Silver	0.84	MG/KG	J
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Sodium	334	MG/KG	J
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Thallium	0.22	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Uranium	1.68	MG/KG	none
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Vanadium	12.3	MG/KG	none
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Zinc	21.9	MG/KG	none
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Aluminum	6620	MG/KG	none
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Antimony	6.2	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Arsenic	2	MG/KG	none
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Barium	693	MG/KG	J+
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Beryllium	1	MG/KG	none
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Cadmium	0.00062	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Calcium	2840	MG/KG	none
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Chromium, Total	6.7	MG/KG	none
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Cobalt	5.7	MG/KG	J
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Copper	6.3	MG/KG	none
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Cyanide, Total	1.3	MG/KG	U

Table I-2.0-1 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Iron	12200	MG/KG	none
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Lead	14.4	MG/KG	none
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Magnesium	1180	MG/KG	none
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Manganese	644	MG/KG	J
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Mercury	0.06	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Nickel	6.1	MG/KG	none
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Potassium	1070	MG/KG	none
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Selenium	0.31	MG/KG	UJ
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Silver	0.62	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Sodium	388	MG/KG	J
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Thallium	0.25	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Uranium	2.08	MG/KG	none
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Vanadium	23.1	MG/KG	none
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Zinc	27	MG/KG	none
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Aluminum	5300	MG/KG	none
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Antimony	5.9	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Arsenic	1.8	MG/KG	none
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Barium	7500	MG/KG	J+
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Beryllium	0.48	MG/KG	J
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Cadmium	0.59	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Calcium	951	MG/KG	none
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Chromium, Total	5.8	MG/KG	none
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Cobalt	4.8	MG/KG	J
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Copper	4.6	MG/KG	none
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Cyanide, Total	1.2	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Iron	9210	MG/KG	none
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Lead	8.9	MG/KG	none
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Magnesium	850	MG/KG	none
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Manganese	511	MG/KG	J
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Mercury	0.06	MG/KG	U

Table I-2.0-1 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Nickel	6	MG/KG	none
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Potassium	767	MG/KG	none
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Selenium	0.29	MG/KG	UJ
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Silver	0.59	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Sodium	402	MG/KG	J
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Thallium	0.23	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Uranium	1.73	MG/KG	none
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Vanadium	15.6	MG/KG	none
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Zinc	24.3	MG/KG	none
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Aluminum	6690	MG/KG	none
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Antimony	6.1	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Arsenic	1.4	MG/KG	none
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Barium	12100	MG/KG	J+
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Beryllium	0.49	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Cadmium	0.61	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Calcium	3020	MG/KG	none
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Chromium, Total	6.1	MG/KG	none
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Cobalt	4.5	MG/KG	J
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Copper	6.1	MG/KG	none
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Cyanide, Total	1.2	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Iron	8930	MG/KG	none
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Lead	11.1	MG/KG	none
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Magnesium	1190	MG/KG	none
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Manganese	523	MG/KG	J
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Mercury	0.06	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Nickel	6.8	MG/KG	none
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Potassium	1020	MG/KG	none
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Selenium	0.31	MG/KG	UJ
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Silver	0.61	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Sodium	461	MG/KG	J

Table I-2.0-1 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Thallium	0.25	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Uranium	2.16	MG/KG	none
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Vanadium	15.4	MG/KG	none
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Zinc	24.4	MG/KG	none
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Aluminum	6830	MG/KG	none
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Antimony	6.1	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Arsenic	1.9	MG/KG	none
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Barium	7750	MG/KG	J+
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Beryllium	0.49	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Cadmium	0.61	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Calcium	1350	MG/KG	none
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Chromium, Total	6.1	MG/KG	none
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Cobalt	4.4	MG/KG	J
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Copper	5.3	MG/KG	none
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Cyanide, Total	1.3	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Iron	9340	MG/KG	none
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Lead	30.3	MG/KG	none
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Magnesium	1080	MG/KG	none
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Manganese	490	MG/KG	J
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Mercury	0.06	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Nickel	6.2	MG/KG	none
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Potassium	1040	MG/KG	none
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Selenium	0.31	MG/KG	UJ
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Silver	0.61	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Sodium	420	MG/KG	J
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Thallium	0.25	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Uranium	1.7	MG/KG	none
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Vanadium	15.9	MG/KG	none
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Zinc	25.7	MG/KG	none
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Aluminum	6030	MG/KG	none

Table I-2.0-1 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Antimony	5.8	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Arsenic	2.4	MG/KG	none
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Barium	172	MG/KG	J+
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Beryllium	0.81	MG/KG	none
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Cadmium	0.58	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Calcium	1090	MG/KG	none
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Chromium, Total	7.9	MG/KG	none
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Cobalt	7.8	MG/KG	none
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Copper	4.3	MG/KG	none
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Cyanide, Total	1.2	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Iron	11100	MG/KG	none
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Lead	11.4	MG/KG	none
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Magnesium	811	MG/KG	none
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Manganese	402	MG/KG	J
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Mercury	0.06	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Nickel	6.4	MG/KG	none
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Potassium	782	MG/KG	none
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Selenium	0.29	MG/KG	UJ
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Silver	0.58	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Sodium	393	MG/KG	J
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Thallium	0.23	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Uranium	2.01	MG/KG	none
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Vanadium	25.3	MG/KG	none
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Zinc	21.6	MG/KG	none
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Aluminum	6460	MG/KG	none
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Antimony	5.8	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Arsenic	1.4	MG/KG	none
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Barium	3790	MG/KG	J+
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Beryllium	0.58	MG/KG	none
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Cadmium	0.58	MG/KG	U

Table I-2.0-1 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Calcium	1780	MG/KG	none
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Chromium, Total	5	MG/KG	none
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Cobalt	3.3	MG/KG	J
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Copper	4.8	MG/KG	none
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Cyanide, Total	1.2	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Iron	9330	MG/KG	none
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Lead	9.8	MG/KG	none
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Magnesium	943	MG/KG	none
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Manganese	286	MG/KG	J
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Mercury	0.06	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Nickel	3.7	MG/KG	J
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Potassium	888	MG/KG	none
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Selenium	0.29	MG/KG	UJ
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Silver	0.58	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Sodium	363	MG/KG	J
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Thallium	0.23	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Uranium	1.27	MG/KG	none
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Vanadium	13.2	MG/KG	none
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Zinc	23.3	MG/KG	none
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Aluminum	13900	MG/KG	none
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Antimony	8	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Arsenic	0.63	MG/KG	J
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Barium	20200	MG/KG	J+
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Beryllium	1.4	MG/KG	none
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Cadmium	0.8	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Calcium	4470	MG/KG	none
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Chromium, Total	10	MG/KG	none
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Cobalt	6.9	MG/KG	J
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Copper	16.1	MG/KG	none
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Cyanide, Total	1.6	MG/KG	U

Table I-2.0-1 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Iron	13700	MG/KG	none
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Lead	39.4	MG/KG	none
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Magnesium	2300	MG/KG	none
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Manganese	642	MG/KG	J
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Mercury	0.08	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Nickel	10.2	MG/KG	none
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Potassium	1750	MG/KG	none
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Selenium	0.39	MG/KG	UJ
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Silver	1.2	MG/KG	J
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Sodium	497	MG/KG	J
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Thallium	0.31	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Uranium	3.58	MG/KG	none
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Vanadium	22.8	MG/KG	none
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Zinc	62.2	MG/KG	none
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Aluminum	5490	MG/KG	none
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Antimony	6.3	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Arsenic	3.3	MG/KG	J-
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Barium	619	MG/KG	J-
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Beryllium	0.51	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Cadmium	0.63	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Calcium	5550	MG/KG	none
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Chromium, Total	4.8	MG/KG	none
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Cobalt	4.4	MG/KG	J
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Copper	7.3	MG/KG	none
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Cyanide, Total	1.3	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Iron	8010	MG/KG	none
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Lead	19	MG/KG	J
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Magnesium	1340	MG/KG	none
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Manganese	910	MG/KG	none
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Mercury	0.06	MG/KG	U

Table I-2.0-1 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Nickel	4.3	MG/KG	J
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Potassium	1240	MG/KG	none
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Selenium	0.32	MG/KG	UJ
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Silver	0.63	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Sodium	177	MG/KG	J
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Thallium	0.26	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Uranium	3.62	MG/KG	none
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Vanadium	12.4	MG/KG	none
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Zinc	21.8	MG/KG	none
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Aluminum	3900	MG/KG	none
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Antimony	5.3	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Arsenic	1.5	MG/KG	J-
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Barium	412	MG/KG	J-
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Beryllium	0.43	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Cadmium	0.53	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Calcium	3350	MG/KG	none
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Chromium, Total	3	MG/KG	none
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Cobalt	2.5	MG/KG	J
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Copper	5.2	MG/KG	none
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Cyanide, Total	1.1	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Iron	6300	MG/KG	none
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Lead	14.3	MG/KG	J
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Magnesium	825	MG/KG	none
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Manganese	378	MG/KG	none
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Mercury	0.05	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Nickel	2.2	MG/KG	J
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Potassium	1020	MG/KG	none
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Selenium	0.27	MG/KG	UJ
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Silver	0.53	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Sodium	328	MG/KG	J

Table I-2.0-1 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Thallium	0.21	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Uranium	2.92	MG/KG	none
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Vanadium	7.6	MG/KG	none
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Zinc	24.1	MG/KG	none
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Aluminum	4650	MG/KG	none
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Antimony	5.9	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Arsenic	1.8	MG/KG	J-
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Barium	3000	MG/KG	J-
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Beryllium	0.6	MG/KG	none
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Cadmium	0.59	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Calcium	3440	MG/KG	none
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Chromium, Total	4.8	MG/KG	none
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Cobalt	6.4	MG/KG	none
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Copper	5.1	MG/KG	none
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Cyanide, Total	1.2	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Iron	9400	MG/KG	none
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Lead	10.1	MG/KG	J
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Magnesium	862	MG/KG	none
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Manganese	776	MG/KG	none
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Mercury	0.06	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Nickel	3.9	MG/KG	J
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Potassium	659	MG/KG	none
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Selenium	0.29	MG/KG	UJ
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Silver	0.59	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Sodium	302	MG/KG	J
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Thallium	0.23	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Uranium	2.48	MG/KG	none
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Vanadium	16.7	MG/KG	none
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Zinc	23.9	MG/KG	none
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Aluminum	6770	MG/KG	none

Table I-2.0-1 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Antimony	8.5	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Arsenic	5.5	MG/KG	J-
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Barium	29500	MG/KG	J-
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Beryllium	0.68	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Cadmium	0.85	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Calcium	2640	MG/KG	none
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Chromium, Total	6.8	MG/KG	none
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Cobalt	3.5	MG/KG	J
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Copper	12.1	MG/KG	none
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Cyanide, Total	1.8	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Iron	9370	MG/KG	none
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Lead	16	MG/KG	J
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Magnesium	1310	MG/KG	none
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Manganese	693	MG/KG	none
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Mercury	0.09	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Nickel	8.3	MG/KG	none
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Potassium	1230	MG/KG	none
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Selenium	0.42	MG/KG	UJ
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Silver	0.85	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Sodium	477	MG/KG	J
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Thallium	0.34	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Uranium	3.18	MG/KG	none
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Vanadium	21.2	MG/KG	none
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Zinc	42.7	MG/KG	none
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Aluminum	12400	MG/KG	none
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Antimony	6.4	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Arsenic	2	MG/KG	none
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Barium	5270	MG/KG	none
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Beryllium	0.97	MG/KG	none
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Cadmium	0.64	MG/KG	U

Table I-2.0-1 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Calcium	1590	MG/KG	none
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Chromium, Total	9.5	MG/KG	none
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Cobalt	5.2	MG/KG	J
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Copper	9.3	MG/KG	none
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Cyanide, Total	1.3	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Iron	15700	MG/KG	none
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Lead	18.7	MG/KG	none
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Magnesium	1600	MG/KG	none
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Manganese	506	MG/KG	none
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Mercury	0.07	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Nickel	10.3	MG/KG	none
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Potassium	1320	MG/KG	none
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Selenium	0.32	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Silver	0.64	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Sodium	401	MG/KG	J
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Thallium	0.26	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Uranium	1.82	MG/KG	none
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Vanadium	26.7	MG/KG	none
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Zinc	46.3	MG/KG	none
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Aluminum	29600	MG/KG	none
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Antimony	9.8	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Arsenic	5.4	MG/KG	none
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Barium	18200	MG/KG	none
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Beryllium	1.7	MG/KG	none
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Cadmium	1.6	MG/KG	none
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Calcium	3910	MG/KG	none
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Chromium, Total	26.8	MG/KG	none
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Cobalt	6.7	MG/KG	J
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Copper	40.5	MG/KG	none
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Cyanide, Total	2	MG/KG	U

Table I-2.0-1 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Iron	21300	MG/KG	none
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Lead	107	MG/KG	none
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Magnesium	3360	MG/KG	none
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Manganese	267	MG/KG	none
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Mercury	0.07	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Nickel	37.3	MG/KG	none
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Potassium	2560	MG/KG	none
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Selenium	0.49	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Silver	0.98	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Sodium	764	MG/KG	J
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Thallium	0.39	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Uranium	3.17	MG/KG	none
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Vanadium	55.7	MG/KG	none
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Zinc	226	MG/KG	none
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Aluminum	3190	MG/KG	J
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Antimony	5.9	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Arsenic	2.3	MG/KG	J-
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Barium	2730	MG/KG	J
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Beryllium	0.59	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Cadmium	0.59	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Calcium	1160	MG/KG	none
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Chromium, Total	4.5	MG/KG	J
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Cobalt	2.5	MG/KG	J
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Copper	10.4	MG/KG	J
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Cyanide, Total	1.2	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Iron	4530	MG/KG	J
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Lead	27.2	MG/KG	none
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Magnesium	521	MG/KG	J
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Manganese	122	MG/KG	J+
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Mercury	0.06	MG/KG	U

Table I-2.0-1 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Nickel	2.9	MG/KG	J
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Potassium	419	MG/KG	J
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Selenium	0.3	MG/KG	UJ
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Silver	0.59	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Sodium	456	MG/KG	J
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Thallium	0.3	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Uranium	2.2	MG/KG	none
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Vanadium	11.4	MG/KG	none
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Zinc	86.1	MG/KG	J+
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Aluminum	7670	MG/KG	J
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Antimony	6.6	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Arsenic	2.5	MG/KG	J-
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Barium	12700	MG/KG	J
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Beryllium	1.2	MG/KG	J
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Cadmium	0.98	MG/KG	none
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Calcium	1660	MG/KG	none
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Chromium, Total	9.5	MG/KG	J
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Cobalt	3.3	MG/KG	J
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Copper	19.9	MG/KG	J
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Cyanide, Total	1.4	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Iron	6340	MG/KG	J
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Lead	36.7	MG/KG	none
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Magnesium	1020	MG/KG	none
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Manganese	120	MG/KG	J+
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Mercury	0.06	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Nickel	11.2	MG/KG	none
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Potassium	796	MG/KG	none
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Selenium	0.34	MG/KG	UJ
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Silver	0.66	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Sodium	526	MG/KG	J

Table I-2.0-1 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Thallium	0.34	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Uranium	3.25	MG/KG	none
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Vanadium	24.3	MG/KG	none
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Zinc	104	MG/KG	J+
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Aluminum	7770	MG/KG	J
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Antimony	7.3	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Arsenic	2.1	MG/KG	J-
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Barium	14600	MG/KG	J
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Beryllium	1.2	MG/KG	J
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Cadmium	1.3	MG/KG	none
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Calcium	1710	MG/KG	none
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Chromium, Total	11.7	MG/KG	J
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Cobalt	5	MG/KG	J
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Copper	25.2	MG/KG	J
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Cyanide, Total	1.5	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Iron	7830	MG/KG	J
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Lead	43.1	MG/KG	none
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Magnesium	1120	MG/KG	none
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Manganese	129	MG/KG	J+
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Mercury	0.07	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Nickel	10.9	MG/KG	none
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Potassium	812	MG/KG	none
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Selenium	0.35	MG/KG	UJ
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Silver	0.73	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Sodium	574	MG/KG	J
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Thallium	0.35	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Uranium	5.77	MG/KG	none
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Vanadium	33.7	MG/KG	none
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Zinc	116	MG/KG	J+
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Aluminum	5710	MG/KG	none

Table I-2.0-1 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Antimony	6.1	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Arsenic	2.6	MG/KG	none
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Barium	8310	MG/KG	none
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Beryllium	0.49	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Cadmium	0.69	MG/KG	none
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Calcium	1140	MG/KG	none
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Chromium, Total	9.1	MG/KG	none
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Cobalt	3.7	MG/KG	J
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Copper	12.5	MG/KG	none
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Cyanide, Total	1.2	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Iron	9930	MG/KG	none
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Lead	19	MG/KG	none
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Magnesium	773	MG/KG	none
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Manganese	211	MG/KG	none
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Mercury	0.05	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Nickel	6.3	MG/KG	none
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Potassium	691	MG/KG	none
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Selenium	0.3	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Silver	0.61	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Sodium	469	MG/KG	J
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Thallium	0.24	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Uranium	3.11	MG/KG	none
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Vanadium	28.5	MG/KG	none
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Zinc	85.2	MG/KG	none
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Aluminum	5440	MG/KG	J
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Antimony	7.5	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Arsenic	2.2	MG/KG	J-
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Barium	19000	MG/KG	J
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Beryllium	1.1	MG/KG	J
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Cadmium	2.6	MG/KG	none

Table I-2.0-1 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Calcium	3000	MG/KG	none
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Chromium, Total	16.8	MG/KG	J
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Cobalt	6.5	MG/KG	J
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Copper	35.9	MG/KG	J
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Cyanide, Total	1.5	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Iron	7420	MG/KG	J
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Lead	58	MG/KG	none
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Magnesium	980	MG/KG	none
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Manganese	122	MG/KG	J+
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Mercury	0.07	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Nickel	12.8	MG/KG	none
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Potassium	622	MG/KG	J
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Selenium	0.37	MG/KG	UJ
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Silver	0.75	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Sodium	583	MG/KG	J
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Thallium	0.37	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Uranium	5.07	MG/KG	none
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Vanadium	40.1	MG/KG	none
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Zinc	150	MG/KG	J+
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Aluminum	3830	MG/KG	J
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Antimony	6.7	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Arsenic	2.9	MG/KG	J-
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Barium	11100	MG/KG	J
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Beryllium	0.67	MG/KG	UJ
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Cadmium	0.71	MG/KG	none
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Calcium	1680	MG/KG	none
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Chromium, Total	9.6	MG/KG	J
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Cobalt	2.2	MG/KG	J
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Copper	17.5	MG/KG	J
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Cyanide, Total	1.4	MG/KG	U

Table I-2.0-1 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Iron	5530	MG/KG	J
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Lead	35.5	MG/KG	none
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Magnesium	537	MG/KG	J
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Manganese	86.2	MG/KG	J+
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Mercury	0.06	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Nickel	13.3	MG/KG	none
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Potassium	439	MG/KG	J
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Selenium	0.33	MG/KG	UJ
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Silver	0.67	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Sodium	547	MG/KG	J
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Thallium	0.33	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Uranium	6.98	MG/KG	none
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Vanadium	24.8	MG/KG	none
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Zinc	76.8	MG/KG	J+
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Aluminum	5670	MG/KG	J
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Antimony	7.3	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Arsenic	3.4	MG/KG	J-
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Barium	21100	MG/KG	J
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Beryllium	0.73	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Cadmium	2.4	MG/KG	none
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Calcium	3050	MG/KG	none
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Chromium, Total	16.4	MG/KG	J
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Cobalt	6.9	MG/KG	J
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Copper	31.8	MG/KG	J
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Cyanide, Total	1.5	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Iron	8130	MG/KG	J
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Lead	57.8	MG/KG	none
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Magnesium	1000	MG/KG	none
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Manganese	191	MG/KG	J+
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Mercury	0.08	MG/KG	J

Table I-2.0-1 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Nickel	51.9	MG/KG	none
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Potassium	685	MG/KG	J
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Selenium	0.37	MG/KG	UJ
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Silver	1.1	MG/KG	J
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Sodium	393	MG/KG	J
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Thallium	0.37	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Uranium	6.39	MG/KG	none
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Vanadium	48.8	MG/KG	none
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Zinc	152	MG/KG	J+
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Aluminum	5080	MG/KG	J
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Antimony	7.5	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Arsenic	3.1	MG/KG	J-
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Barium	26100	MG/KG	J
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Beryllium	0.75	MG/KG	UJ
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Cadmium	2.9	MG/KG	none
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Calcium	3130	MG/KG	none
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Chromium, Total	18.9	MG/KG	J
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Cobalt	7.1	MG/KG	J
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Copper	38.5	MG/KG	J
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Cyanide, Total	1.6	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Iron	5490	MG/KG	J
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Lead	47.3	MG/KG	none
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Magnesium	936	MG/KG	none
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Manganese	102	MG/KG	J+
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Mercury	0.07	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Nickel	16.3	MG/KG	none
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Potassium	613	MG/KG	J
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Selenium	0.39	MG/KG	UJ
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Silver	0.75	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Sodium	419	MG/KG	J

Table I-2.0-1 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Thallium	0.39	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Uranium	6.43	MG/KG	none
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Vanadium	42.5	MG/KG	none
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Zinc	151	MG/KG	J+
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Aluminum	5680	MG/KG	J
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Antimony	8.2	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Arsenic	4.1	MG/KG	J-
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Barium	26900	MG/KG	J
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Beryllium	0.82	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Cadmium	2.1	MG/KG	none
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Calcium	2850	MG/KG	none
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Chromium, Total	15.1	MG/KG	J
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Cobalt	6.2	MG/KG	J
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Copper	31.3	MG/KG	J
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Cyanide, Total	1.7	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Iron	6330	MG/KG	J
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Lead	46.5	MG/KG	none
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Magnesium	1060	MG/KG	none
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Manganese	172	MG/KG	J+
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Mercury	0.08	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Nickel	30.1	MG/KG	none
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Potassium	789	MG/KG	J
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Selenium	0.42	MG/KG	UJ
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Silver	1.6	MG/KG	J
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Sodium	473	MG/KG	J
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Thallium	0.42	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Uranium	8.71	MG/KG	none
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Vanadium	40.7	MG/KG	none
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Zinc	133	MG/KG	J+
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Aluminum	10900	MG/KG	none

Table I-2.0-1 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Antimony	6.7	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Arsenic	2.8	MG/KG	none
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Barium	24300	MG/KG	none
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Beryllium	0.65	MG/KG	J
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Cadmium	1.9	MG/KG	none
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Calcium	3160	MG/KG	none
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Chromium, Total	18.3	MG/KG	none
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Cobalt	5.1	MG/KG	J
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Copper	26.8	MG/KG	none
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Cyanide, Total	1.4	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Iron	11300	MG/KG	none
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Lead	46.3	MG/KG	none
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Magnesium	1640	MG/KG	none
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Manganese	537	MG/KG	none
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Mercury	0.07	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Nickel	25.9	MG/KG	none
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Potassium	1320	MG/KG	none
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Selenium	0.34	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Silver	4.1	MG/KG	none
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Sodium	526	MG/KG	J
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Thallium	0.271	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Uranium	4.84	MG/KG	none
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Vanadium	48	MG/KG	none
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Zinc	139	MG/KG	none
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Aluminum	8230	MG/KG	none
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Antimony	6.1	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Arsenic	7.4	MG/KG	none
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Barium	8550	MG/KG	none
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Beryllium	0.48	MG/KG	J
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Cadmium	0.61	MG/KG	U

Table I-2.0-1 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Calcium	976	MG/KG	none
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Chromium, Total	11	MG/KG	none
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Cobalt	4.9	MG/KG	J
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Copper	9.5	MG/KG	none
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Cyanide, Total	1.2	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Iron	14200	MG/KG	none
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Lead	38.8	MG/KG	none
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Magnesium	980	MG/KG	none
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Manganese	342	MG/KG	none
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Mercury	0.05	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Nickel	31.9	MG/KG	none
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Potassium	855	MG/KG	none
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Selenium	0.29	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Silver	1.3	MG/KG	none
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Sodium	455	MG/KG	J
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Thallium	0.24	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Uranium	2.94	MG/KG	none
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Vanadium	42	MG/KG	none
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Zinc	68.2	MG/KG	none
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Aluminum	7940	MG/KG	none
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Antimony	7.1	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Arsenic	4.1	MG/KG	none
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Barium	33300	MG/KG	none
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Beryllium	0.66	MG/KG	J
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Cadmium	0.76	MG/KG	none
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Calcium	2460	MG/KG	none
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Chromium, Total	13	MG/KG	none
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Cobalt	4.3	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Copper	17.5	MG/KG	none
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Cyanide, Total	1.5	MG/KG	U

Table I-2.0-1 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Iron	7980	MG/KG	none
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Lead	22.4	MG/KG	none
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Magnesium	1240	MG/KG	none
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Manganese	165	MG/KG	none
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Mercury	0.05	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Nickel	21.3	MG/KG	none
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Potassium	1060	MG/KG	none
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Selenium	0.38	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Silver	0.95	MG/KG	J
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Sodium	536	MG/KG	J
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Thallium	0.3	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Uranium	6.69	MG/KG	none
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Vanadium	37	MG/KG	none
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Zinc	76	MG/KG	none
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Aluminum	3500	MG/KG	none
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Antimony	5.7	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Arsenic	2.5	MG/KG	none
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Barium	7140	MG/KG	none
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Beryllium	0.45	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Cadmium	0.57	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Calcium	788	MG/KG	none
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Chromium, Total	4	MG/KG	none
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Cobalt	1.4	MG/KG	J
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Copper	4.8	MG/KG	none
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Cyanide, Total	1.2	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Iron	9900	MG/KG	none
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Lead	14.2	MG/KG	none
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Magnesium	374	MG/KG	J
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Manganese	244	MG/KG	none
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Mercury	0.04	MG/KG	U

Table I-2.0-1 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Nickel	6.5	MG/KG	none
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Potassium	560	MG/KG	J
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Selenium	0.28	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Silver	0.57	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Sodium	509	MG/KG	J
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Thallium	0.23	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Uranium	2.58	MG/KG	none
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Vanadium	21.8	MG/KG	none
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Zinc	44.8	MG/KG	none
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Aluminum	8090	MG/KG	none
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Antimony	6.3	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Arsenic	4.2	MG/KG	none
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Barium	20600	MG/KG	none
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Beryllium	0.56	MG/KG	J
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Cadmium	0.63	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Calcium	1650	MG/KG	none
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Chromium, Total	10.5	MG/KG	none
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Cobalt	3.6	MG/KG	J
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Copper	14.4	MG/KG	none
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Cyanide, Total	1.3	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Iron	8870	MG/KG	none
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Lead	33.8	MG/KG	none
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Magnesium	1270	MG/KG	none
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Manganese	331	MG/KG	none
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Mercury	0.04	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Nickel	20.1	MG/KG	none
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Potassium	1060	MG/KG	none
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Selenium	0.32	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Silver	0.63	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Sodium	521	MG/KG	J

Table I-2.0-1 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Thallium	0.25	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Uranium	4.08	MG/KG	none
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Vanadium	29.9	MG/KG	none
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Zinc	62.6	MG/KG	none
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Aluminum	4100	MG/KG	none
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Antimony	6.2	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Arsenic	3.8	MG/KG	none
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Barium	6230	MG/KG	none
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Beryllium	0.5	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Cadmium	0.62	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Calcium	623	MG/KG	none
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Chromium, Total	6.2	MG/KG	none
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Cobalt	3.2	MG/KG	J
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Copper	5.6	MG/KG	none
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Cyanide, Total	1.3	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Iron	10000	MG/KG	none
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Lead	22.5	MG/KG	none
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Magnesium	485	MG/KG	J
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Manganese	283	MG/KG	none
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Mercury	0.06	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Nickel	5.1	MG/KG	none
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Potassium	549	MG/KG	J
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Selenium	0.32	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Silver	0.62	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Sodium	499	MG/KG	J
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Thallium	0.25	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Uranium	2.73	MG/KG	none
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Vanadium	25.8	MG/KG	none
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Zinc	42.3	MG/KG	none
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Aluminum	7630	MG/KG	J

Table I-2.0-1 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Antimony	6.7	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Arsenic	3.74	MG/KG	none
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Barium	11700	MG/KG	none
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Beryllium	0.84	MG/KG	none
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Cadmium	0.667	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Calcium	1300	MG/KG	none
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Chromium, Total	9.74	MG/KG	none
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Cobalt	6.28	MG/KG	J
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Copper	11.8	MG/KG	none
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Cyanide, Total	1.4	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Iron	8310	MG/KG	J
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Lead	46.2	MG/KG	none
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Magnesium	1180	MG/KG	none
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Manganese	215	MG/KG	none
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Mercury	0.07	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Nickel	11.8	MG/KG	none
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Potassium	929	MG/KG	none
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Selenium	0.34	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Silver	0.667	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Sodium	123	MG/KG	J
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Thallium	0.272	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Uranium	4.08	MG/KG	none
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Vanadium	31.7	MG/KG	none
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Zinc	46	MG/KG	none
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Aluminum	5690	MG/KG	J
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Antimony	7.03	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Arsenic	3.86	MG/KG	none
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Barium	7670	MG/KG	none
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Beryllium	0.586	MG/KG	J
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Cadmium	0.703	MG/KG	U

Table I-2.0-1 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Calcium	841	MG/KG	none
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Chromium, Total	7.14	MG/KG	none
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Cobalt	5.3	MG/KG	J
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Copper	8.78	MG/KG	none
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Cyanide, Total	1.41	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Iron	8360	MG/KG	J
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Lead	46.5	MG/KG	none
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Magnesium	745	MG/KG	none
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Manganese	227	MG/KG	none
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Mercury	0.07	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Nickel	10.8	MG/KG	none
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Potassium	671	MG/KG	J
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Selenium	0.347	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Silver	0.703	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Sodium	415	MG/KG	J
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Thallium	0.278	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Uranium	2.53	MG/KG	none
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Vanadium	27.3	MG/KG	none
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Zinc	53.7	MG/KG	none
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Aluminum	7430	MG/KG	J
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Antimony	7.5	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Arsenic	3.23	MG/KG	none
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Barium	16200	MG/KG	none
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Beryllium	0.922	MG/KG	none
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Cadmium	0.937	MG/KG	none
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Calcium	1080	MG/KG	none
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Chromium, Total	12.2	MG/KG	none
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Cobalt	3	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Copper	22.4	MG/KG	none
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Cyanide, Total	1.55	MG/KG	U

Table I-2.0-1 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Iron	6890	MG/KG	J
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Lead	48.5	MG/KG	none
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Magnesium	1050	MG/KG	none
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Manganese	90.2	MG/KG	none
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Mercury	0.075	MG/KG	J
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Nickel	8.87	MG/KG	none
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Potassium	869	MG/KG	none
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Selenium	0.385	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Silver	0.75	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Sodium	421	MG/KG	J
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Thallium	0.308	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Uranium	4.21	MG/KG	none
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Vanadium	30.5	MG/KG	none
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Zinc	97.9	MG/KG	none
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Aluminum	7050	MG/KG	J
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Antimony	6.4	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Arsenic	3.2	MG/KG	J-
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Barium	12100	MG/KG	J
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Beryllium	1	MG/KG	J
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Cadmium	0.76	MG/KG	none
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Calcium	1500	MG/KG	none
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Chromium, Total	10.5	MG/KG	J
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Cobalt	4.1	MG/KG	J
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Copper	17.8	MG/KG	J
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Cyanide, Total	1.3	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Iron	8350	MG/KG	J
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Lead	38.6	MG/KG	none
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Magnesium	1000	MG/KG	none
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Manganese	137	MG/KG	J+
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Mercury	0.06	MG/KG	U

Table I-2.0-1 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Nickel	9.9	MG/KG	none
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Potassium	748	MG/KG	none
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Selenium	0.33	MG/KG	UJ
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Silver	0.64	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Sodium	511	MG/KG	J
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Thallium	0.33	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Uranium	4.3	MG/KG	none
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Vanadium	28.2	MG/KG	none
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Zinc	100	MG/KG	J+
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Aluminum	7010	MG/KG	J
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Antimony	7.1	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Arsenic	2.4	MG/KG	J-
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Barium	13800	MG/KG	J
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Beryllium	0.95	MG/KG	J
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Cadmium	1.2	MG/KG	none
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Calcium	1720	MG/KG	none
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Chromium, Total	11.2	MG/KG	J
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Cobalt	3.9	MG/KG	J
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Copper	20.1	MG/KG	J
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Cyanide, Total	1.4	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Iron	7920	MG/KG	J
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Lead	41.2	MG/KG	none
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Magnesium	1050	MG/KG	none
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Manganese	120	MG/KG	J+
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Mercury	0.07	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Nickel	9.4	MG/KG	none
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Potassium	795	MG/KG	none
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Selenium	0.35	MG/KG	UJ
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Silver	0.71	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Sodium	400	MG/KG	J

Table I-2.0-1 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Thallium	0.35	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Uranium	4.32	MG/KG	none
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Vanadium	32	MG/KG	none
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Zinc	112	MG/KG	J+
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Aluminum	6120	MG/KG	J
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Antimony	6.96	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Arsenic	4.31	MG/KG	none
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Barium	8820	MG/KG	none
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Beryllium	1.06	MG/KG	none
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Cadmium	0.696	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Calcium	1120	MG/KG	none
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Chromium, Total	8.44	MG/KG	none
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Cobalt	5.53	MG/KG	J
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Copper	10.4	MG/KG	none
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Cyanide, Total	1.41	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Iron	7440	MG/KG	J
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Lead	42.7	MG/KG	none
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Magnesium	995	MG/KG	none
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Manganese	227	MG/KG	none
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Mercury	0.067	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Nickel	11.5	MG/KG	none
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Potassium	710	MG/KG	none
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Selenium	0.348	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Silver	0.696	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Sodium	397	MG/KG	J
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Thallium	0.279	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Uranium	3.66	MG/KG	none
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Vanadium	29.1	MG/KG	none
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Zinc	40.1	MG/KG	none
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Aluminum	3370	MG/KG	none

Table I-2.0-1 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Antimony	0.62	MG/KG	UJ
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Arsenic	2.4	MG/KG	none
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Barium	653	MG/KG	none
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Beryllium	0.28	MG/KG	J
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Cadmium	0.09	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Calcium	1440	MG/KG	none
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Chromium, Total	3.7	MG/KG	R
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Cobalt	4.5	MG/KG	J
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Copper	4.1	MG/KG	J
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Cyanide, Total	0.27	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Iron	6060	MG/KG	none
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Lead	10.1	MG/KG	none
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Magnesium	638	MG/KG	J
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Manganese	446	MG/KG	none
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Mercury	0.05	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Nickel	3.7	MG/KG	J
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Potassium	705	MG/KG	J
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Selenium	0.94	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Silver	0.45	MG/KG	J
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Sodium	55.9	MG/KG	J
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Thallium	1	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Vanadium	10.5	MG/KG	J
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Zinc	16.7	MG/KG	none
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Aluminum	4090	MG/KG	none
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Antimony	0.66	MG/KG	UJ
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Arsenic	2.4	MG/KG	none
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Barium	1440	MG/KG	none
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Beryllium	0.33	MG/KG	J
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Cadmium	0.09	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Calcium	1670	MG/KG	none

Table I-2.0-1 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Chromium, Total	3.9	MG/KG	R
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Cobalt	5.4	MG/KG	J
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Copper	4.4	MG/KG	J
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Cyanide, Total	0.3	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Iron	6310	MG/KG	none
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Lead	9.5	MG/KG	none
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Magnesium	718	MG/KG	J
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Manganese	412	MG/KG	none
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Mercury	0.06	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Nickel	3.4	MG/KG	J
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Potassium	713	MG/KG	J
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Selenium	1	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Silver	0.18	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Sodium	71.8	MG/KG	J
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Thallium	1.1	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Vanadium	11.4	MG/KG	J
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Zinc	17.5	MG/KG	none
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Aluminum	6310	MG/KG	none
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Antimony	0.61	MG/KG	UJ
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Arsenic	2.3	MG/KG	none
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Barium	138	MG/KG	none
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Beryllium	0.69	MG/KG	J
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Cadmium	0.08	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Calcium	1490	MG/KG	none
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Chromium, Total	33.4	MG/KG	R
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Cobalt	4	MG/KG	J
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Copper	5.9	MG/KG	none
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Cyanide, Total	0.26	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Iron	6920	MG/KG	none
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Lead	10.9	MG/KG	none

Table I-2.0-1 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Magnesium	896	MG/KG	J
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Manganese	483	MG/KG	none
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Mercury	0.05	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Nickel	19.3	MG/KG	J
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Potassium	549	MG/KG	J
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Selenium	0.92	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Silver	0.17	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Sodium	93.3	MG/KG	J
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Thallium	1	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Vanadium	11.2	MG/KG	none
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Zinc	21.6	MG/KG	none
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Aluminum	6910	MG/KG	none
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Antimony	0.63	MG/KG	UJ
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Arsenic	2.1	MG/KG	J
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Barium	80.4	MG/KG	none
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Beryllium	0.49	MG/KG	J
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Cadmium	0.09	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Calcium	1220	MG/KG	none
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Chromium, Total	3.5	MG/KG	R
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Cobalt	3.8	MG/KG	J
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Copper	3.9	MG/KG	J
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Cyanide, Total	0.27	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Iron	6390	MG/KG	none
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Lead	10	MG/KG	none
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Magnesium	595	MG/KG	J
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Manganese	288	MG/KG	none
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Mercury	0.05	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Nickel	4.6	MG/KG	J
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Potassium	438	MG/KG	J
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Selenium	0.96	MG/KG	U

Table I-2.0-1 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Silver	0.17	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Sodium	73.9	MG/KG	J
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Thallium	1	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Vanadium	10	MG/KG	J
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Zinc	16.2	MG/KG	none
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Aluminum	5050	MG/KG	none
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Antimony	0.41	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Arsenic	1.8	MG/KG	none
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Barium	200	MG/KG	none
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Beryllium	0.36	MG/KG	J
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Cadmium	0.083	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Calcium	1900	MG/KG	none
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Chromium, Total	3.6	MG/KG	none
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Cobalt	2.7	MG/KG	J
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Copper	4.4	MG/KG	none
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Cyanide, Total	1.1	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Iron	5990	MG/KG	none
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Lead	9.1	MG/KG	none
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Magnesium	745	MG/KG	none
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Manganese	322	MG/KG	J-
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Mercury	0.027	MG/KG	UJ
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Nickel	3.4	MG/KG	none
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Potassium	878	MG/KG	none
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Selenium	0.25	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Silver	0.083	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Sodium	334	MG/KG	J
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Thallium	0.27	MG/KG	J
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Vanadium	8.4	MG/KG	none
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Zinc	26.5	MG/KG	none
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Aluminum	5670	MG/KG	none

Table I-2.0-1 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Antimony	0.55	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Arsenic	1.9	MG/KG	none
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Barium	862	MG/KG	none
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Beryllium	0.44	MG/KG	J
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Cadmium	0.11	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Calcium	2220	MG/KG	none
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Chromium, Total	4.7	MG/KG	none
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Cobalt	4	MG/KG	J
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Copper	5.8	MG/KG	none
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Cyanide, Total	1.3	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Iron	7530	MG/KG	none
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Lead	15	MG/KG	none
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Magnesium	1060	MG/KG	none
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Manganese	557	MG/KG	J-
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Mercury	0.032	MG/KG	UJ
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Nickel	4.1	MG/KG	J
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Potassium	946	MG/KG	none
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Selenium	0.33	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Silver	0.11	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Sodium	359	MG/KG	J
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Thallium	0.36	MG/KG	J
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Vanadium	10.9	MG/KG	none
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Zinc	30.9	MG/KG	none
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Aluminum	5100	MG/KG	none
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Antimony	0.79	MG/KG	UJ
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Arsenic	9.7	MG/KG	none
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Barium	10200	MG/KG	none
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Beryllium	0.92	MG/KG	J
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Cadmium	0.09	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Calcium	740	MG/KG	J

Table I-2.0-1 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Chromium, Total	8.5	MG/KG	none
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Cobalt	16.8	MG/KG	none
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Copper	5.6	MG/KG	J
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Cyanide, Total	0.5	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Iron	17800	MG/KG	none
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Lead	23.6	MG/KG	none
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Magnesium	666	MG/KG	J
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Manganese	1890	MG/KG	none
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Mercury	0.02	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Nickel	7.4	MG/KG	J
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Potassium	603	MG/KG	J
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Selenium	0.89	MG/KG	J
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Silver	0.28	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Sodium	29.4	MG/KG	J
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Thallium	0.51	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Vanadium	53	MG/KG	none
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Zinc	40.5	MG/KG	none
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Aluminum	3900	MG/KG	none
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Antimony	0.82	MG/KG	UJ
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Arsenic	3.5	MG/KG	none
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Barium	8180	MG/KG	none
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Beryllium	0.5	MG/KG	J
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Cadmium	0.1	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Calcium	1110	MG/KG	J
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Chromium, Total	4.5	MG/KG	none
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Cobalt	4.1	MG/KG	J
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Copper	5.1	MG/KG	J
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Cyanide, Total	0.5	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Iron	7280	MG/KG	none
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Lead	12.2	MG/KG	none

Table I-2.0-1 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Magnesium	736	MG/KG	J
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Manganese	313	MG/KG	none
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Mercury	0.02	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Nickel	3.7	MG/KG	J
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Potassium	667	MG/KG	J
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Selenium	0.65	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Silver	0.43	MG/KG	J
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Sodium	26	MG/KG	J
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Thallium	0.53	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Vanadium	14.4	MG/KG	none
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Zinc	27.8	MG/KG	none
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Aluminum	6150	MG/KG	none
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Antimony	0.63	MG/KG	UJ
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Arsenic	2.9	MG/KG	none
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Barium	83.4	MG/KG	none
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Beryllium	0.42	MG/KG	J
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Cadmium	0.09	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Calcium	1150	MG/KG	none
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Chromium, Total	3.1	MG/KG	R
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Cobalt	2.1	MG/KG	J
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Copper	3.5	MG/KG	J
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Cyanide, Total	0.27	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Iron	5170	MG/KG	none
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Lead	8	MG/KG	none
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Magnesium	478	MG/KG	J
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Manganese	182	MG/KG	none
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Mercury	0.05	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Nickel	4	MG/KG	J
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Potassium	401	MG/KG	J
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Selenium	0.95	MG/KG	U

Table I-2.0-1 (concluded)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Silver	0.17	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Sodium	82.2	MG/KG	J
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Thallium	1	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Vanadium	8.3	MG/KG	J
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Zinc	12	MG/KG	none

Table I-2.0-2
High Explosive Chemicals in Drainage Sediments Samples

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Amino-2,6-dinitrotoluene[4-]	0.093	MG/KG	U
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Amino-4,6-dinitrotoluene[2-]	0.288	MG/KG	none
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Dinitrobenzene[1,3-]	0.07	MG/KG	U
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Dinitrotoluene[2,4-]	0.058	MG/KG	U
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Dinitrotoluene[2,6-]	0.081	MG/KG	U
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	HMX	22.4	MG/KG	none
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Nitrobenzene	0.092	MG/KG	U
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Nitrotoluene[2-]	0.158	MG/KG	U
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Nitrotoluene[3-]	0.157	MG/KG	U
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Nitrotoluene[4-]	0.189	MG/KG	U
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	RDX	1.38	MG/KG	none
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Tetryl	0.095	MG/KG	U
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Trinitrobenzene[1,3,5-]	0.086	MG/KG	U
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Trinitrotoluene[2,4,6-]	0.091	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Amino-2,6-dinitrotoluene[4-]	0.092	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Amino-4,6-dinitrotoluene[2-]	0.077	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Dinitrobenzene[1,3-]	0.069	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Dinitrotoluene[2,4-]	0.057	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Dinitrotoluene[2,6-]	0.08	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	HMX	0.822	MG/KG	none
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Nitrobenzene	0.091	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Nitrotoluene[2-]	0.156	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Nitrotoluene[3-]	0.155	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Nitrotoluene[4-]	0.187	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	RDX	0.175	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Tetryl	0.094	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Trinitrobenzene[1,3,5-]	0.085	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Trinitrotoluene[2,4,6-]	0.09	MG/KG	U

Table I-2.0-2 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Amino-2,6-dinitrotoluene[4-]	0.91	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Amino-4,6-dinitrotoluene[2-]	0.274	MG/KG	none
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Dinitrobenzene[1,3-]	0.068	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Dinitrotoluene[2,4-]	0.057	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Dinitrotoluene[2,6-]	0.08	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	HMX	6.26	MG/KG	none
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Nitrobenzene	0.09	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Nitrotoluene[2-]	0.155	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Nitrotoluene[3-]	0.154	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Nitrotoluene[4-]	0.186	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	RDX	0.541	MG/KG	none
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Tetryl	0.094	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Trinitrobenzene[1,3,5-]	0.084	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Trinitrotoluene[2,4,6-]	0.09	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Amino-2,6-dinitrotoluene[4-]	0.093	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Amino-4,6-dinitrotoluene[2-]	0.265	MG/KG	none
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Dinitrobenzene[1,3-]	0.07	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Dinitrotoluene[2,4-]	0.058	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Dinitrotoluene[2,6-]	0.081	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	HMX	16.5	MG/KG	none
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Nitrobenzene	0.092	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Nitrotoluene[2-]	0.158	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Nitrotoluene[3-]	0.157	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Nitrotoluene[4-]	0.189	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	RDX	4.18	MG/KG	none
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Tetryl	0.095	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Trinitrobenzene[1,3,5-]	0.086	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Trinitrotoluene[2,4,6-]	0.091	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Amino-2,6-dinitrotoluene[4-]	20.1	MG/KG	none

Table I-2.0-2 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Amino-4,6-dinitrotoluene[2-]	25.4	MG/KG	none
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Dinitrobenzene[1,3-]	0.069	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Dinitrotoluene[2,4-]	0.446	MG/KG	none
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Dinitrotoluene[2,6-]	0.08	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	HMX	2590	MG/KG	none
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Nitrobenzene	0.091	MG/KG	none
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Nitrotoluene[2-]	0.156	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Nitrotoluene[3-]	0.155	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Nitrotoluene[4-]	0.186	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	RDX	94.6	MG/KG	none
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Tetryl	0.094	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Trinitrobenzene[1,3,5-]	0.199	MG/KG	none
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Trinitrotoluene[2,4,6-]	32.5	MG/KG	none
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Amino-2,6-dinitrotoluene[4-]	21.6	MG/KG	none
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Amino-4,6-dinitrotoluene[2-]	42.2	MG/KG	none
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Dinitrobenzene[1,3-]	0.07	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Dinitrotoluene[2,4-]	1.2	MG/KG	none
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Dinitrotoluene[2,6-]	0.081	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	HMX	172	MG/KG	none
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Nitrobenzene	0.092	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Nitrotoluene[2-]	0.158	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Nitrotoluene[3-]	2.12	MG/KG	none
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Nitrotoluene[4-]	0.189	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	RDX	26.6	MG/KG	none
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Tetryl	0.095	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Trinitrobenzene[1,3,5-]	0.086	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Trinitrotoluene[2,4,6-]	5.45	MG/KG	none
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Amino-2,6-dinitrotoluene[4-]	1.63	MG/KG	none
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Amino-4,6-dinitrotoluene[2-]	2.82	MG/KG	none
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Dinitrobenzene[1,3-]	0.069	MG/KG	U

Table I-2.0-2 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Dinitrotoluene[2,4-]	0.305	MG/KG	none
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Dinitrotoluene[2,6-]	0.081	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	HMX	38.3	MG/KG	none
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Nitrobenzene	0.091	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Nitrotoluene[2-]	0.157	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Nitrotoluene[3-]	0.156	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Nitrotoluene[4-]	0.188	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	RDX	4.83	MG/KG	none
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Tetryl	0.095	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Trinitrobenzene[1,3,5-]	0.085	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Trinitrotoluene[2,4,6-]	0.091	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Amino-2,6-dinitrotoluene[4-]	0.091	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Amino-4,6-dinitrotoluene[2-]	0.077	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Dinitrobenzene[1,3-]	0.069	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Dinitrotoluene[2,4-]	0.057	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Dinitrotoluene[2,6-]	0.08	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	HMX	4.02	MG/KG	none
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Nitrobenzene	0.091	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Nitrotoluene[2-]	0.156	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Nitrotoluene[3-]	0.155	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Nitrotoluene[4-]	0.186	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	RDX	0.175	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Tetryl	0.094	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Trinitrobenzene[1,3,5-]	0.085	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Trinitrotoluene[2,4,6-]	0.09	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Amino-2,6-dinitrotoluene[4-]	2.49	MG/KG	none
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Amino-4,6-dinitrotoluene[2-]	6.38	MG/KG	none
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Dinitrobenzene[1,3-]	0.069	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Dinitrotoluene[2,4-]	0.407	MG/KG	none
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Dinitrotoluene[2,6-]	0.08	MG/KG	U

Table I-2.0-2 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	HMX	1.89	MG/KG	none
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Nitrobenzene	0.091	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Nitrotoluene[2-]	0.156	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Nitrotoluene[3-]	0.155	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Nitrotoluene[4-]	0.187	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	RDX	0.348	MG/KG	none
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Tetryl	0.094	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Trinitrobenzene[1,3,5-]	0.085	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Trinitrotoluene[2,4,6-]	0.09	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Amino-2,6-dinitrotoluene[4-]	17.9	MG/KG	none
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Amino-4,6-dinitrotoluene[2-]	27.7	MG/KG	none
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Dinitrobenzene[1,3-]	0.072	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Dinitrotoluene[2,4-]	3.99	MG/KG	none
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Dinitrotoluene[2,6-]	0.084	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	HMX	367	MG/KG	none
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Nitrobenzene	1.2	MG/KG	none
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Nitrotoluene[2-]	0.164	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Nitrotoluene[3-]	0.162	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Nitrotoluene[4-]	0.195	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	RDX	2.44	MG/KG	none
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Tetryl	0.098	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Trinitrobenzene[1,3,5-]	0.089	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Trinitrotoluene[2,4,6-]	0.094	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Amino-2,6-dinitrotoluene[4-]	0.093	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Amino-4,6-dinitrotoluene[2-]	0.078	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Dinitrobenzene[1,3-]	0.07	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Dinitrotoluene[2,4-]	0.058	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Dinitrotoluene[2,6-]	0.081	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	HMX	0.969	MG/KG	none
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Nitrobenzene	0.092	MG/KG	U

Table I-2.0-2 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Nitrotoluene[2-]	0.158	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Nitrotoluene[3-]	0.157	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Nitrotoluene[4-]	0.189	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	RDX	0.178	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Tetryl	0.095	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Trinitrobenzene[1,3,5-]	0.086	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Trinitrotoluene[2,4,6-]	0.091	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Amino-2,6-dinitrotoluene[4-]	0.094	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Amino-4,6-dinitrotoluene[2-]	0.079	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Dinitrobenzene[1,3-]	0.071	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Dinitrotoluene[2,4-]	0.059	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Dinitrotoluene[2,6-]	0.082	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	HMX	0.404	MG/KG	none
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Nitrobenzene	0.093	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Nitrotoluene[2-]	0.16	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Nitrotoluene[3-]	0.159	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Nitrotoluene[4-]	0.191	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	RDX	0.18	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Tetryl	0.096	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Trinitrobenzene[1,3,5-]	0.087	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Trinitrotoluene[2,4,6-]	0.092	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Amino-2,6-dinitrotoluene[4-]	1.69	MG/KG	none
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Amino-4,6-dinitrotoluene[2-]	2.8	MG/KG	none
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Dinitrobenzene[1,3-]	0.07	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Dinitrotoluene[2,4-]	0.144	MG/KG	none
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Dinitrotoluene[2,6-]	0.081	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	HMX	108	MG/KG	none
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Nitrobenzene	0.092	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Nitrotoluene[2-]	0.158	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Nitrotoluene[3-]	0.157	MG/KG	U

Table I-2.0-2 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Nitrotoluene[4-]	0.189	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	RDX	1.21	MG/KG	none
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Tetryl	0.095	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Trinitrobenzene[1,3,5-]	0.086	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Trinitrotoluene[2,4,6-]	0.091	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Amino-2,6-dinitrotoluene[4-]	64.1	MG/KG	none
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Amino-4,6-dinitrotoluene[2-]	82.7	MG/KG	none
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Dinitrobenzene[1,3-]	0.072	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Dinitrotoluene[2,4-]	0.761	MG/KG	none
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Dinitrotoluene[2,6-]	0.084	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	HMX	378	MG/KG	none
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Nitrobenzene	0.095	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Nitrotoluene[2-]	0.163	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Nitrotoluene[3-]	0.162	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Nitrotoluene[4-]	0.195	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	RDX	74.8	MG/KG	none
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Tetryl	0.098	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Trinitrobenzene[1,3,5-]	0.129	MG/KG	none
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Trinitrotoluene[2,4,6-]	16.8	MG/KG	none
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Amino-2,6-dinitrotoluene[4-]	6.85	MG/KG	none
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Amino-4,6-dinitrotoluene[2-]	6.55	MG/KG	none
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Dinitrobenzene[1,3-]	0.09	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Dinitrotoluene[2,4-]	0.122	MG/KG	none
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Dinitrotoluene[2,6-]	0.105	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	HMX	1360	MG/KG	none
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Nitrobenzene	0.119	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Nitrotoluene[2-]	0.204	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Nitrotoluene[3-]	0.203	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Nitrotoluene[4-]	0.244	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	RDX	898	MG/KG	none

Table I-2.0-2 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Tetryl	0.123	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Trinitrobenzene[1,3,5-]	0.111	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Trinitrotoluene[2,4,6-]	22.8	MG/KG	none
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Amino-2,6-dinitrotoluene[4-]	0.237	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Amino-4,6-dinitrotoluene[2-]	5.26	MG/KG	none
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Dinitrobenzene[1,3-]	0.178	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Dinitrotoluene[2,4-]	0.917	MG/KG	none
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Dinitrotoluene[2,6-]	0.208	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	HMX	4860	MG/KG	none
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Nitrobenzene	0.235	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Nitrotoluene[2-]	0.466	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Nitrotoluene[3-]	0.401	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Nitrotoluene[4-]	0.466	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	RDX	6830	MG/KG	none
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Tetryl	0.243	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Trinitrobenzene[1,3,5-]	0.488	MG/KG	none
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Trinitrotoluene[2,4,6-]	1760	MG/KG	none
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Amino-2,6-dinitrotoluene[4-]	5.31	MG/KG	none
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Amino-4,6-dinitrotoluene[2-]	2.29	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Dinitrobenzene[1,3-]	0.204	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Dinitrotoluene[2,4-]	0.239	MG/KG	none
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Dinitrotoluene[2,6-]	0.238	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	HMX	10600	MG/KG	none
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Nitrobenzene	0.269	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Nitrotoluene[2-]	0.463	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Nitrotoluene[3-]	0.46	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Nitrotoluene[4-]	0.553	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	RDX	5.2	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Tetryl	0.279	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Trinitrobenzene[1,3,5-]	0.251	MG/KG	U

Table I-2.0-2 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Trinitrotoluene[2,4,6-]	15.1	MG/KG	none
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Amino-2,6-dinitrotoluene[4-]	3.11	MG/KG	J
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Amino-4,6-dinitrotoluene[2-]	14	MG/KG	none
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Dinitrobenzene[1,3-]	2.34	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Dinitrotoluene[2,4-]	1.94	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Dinitrotoluene[2,6-]	2.73	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	HMX	34800	MG/KG	none
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Nitrobenzene	3.09	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Nitrotoluene[2-]	5.31	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Nitrotoluene[3-]	5.27	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Nitrotoluene[4-]	6.34	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	RDX	12400	MG/KG	none
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Tetryl	3.2	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Trinitrobenzene[1,3,5-]	2.88	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Trinitrotoluene[2,4,6-]	185	MG/KG	none
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Amino-2,6-dinitrotoluene[4-]	22.8	MG/KG	none
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Amino-4,6-dinitrotoluene[2-]	40.2	MG/KG	none
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Dinitrobenzene[1,3-]	17.1	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Dinitrotoluene[2,4-]	14.2	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Dinitrotoluene[2,6-]	20	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	HMX	124000	MG/KG	none
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Nitrobenzene	22.6	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Nitrotoluene[2-]	38.8	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Nitrotoluene[3-]	38.5	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Nitrotoluene[4-]	46.3	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	RDX	21100	MG/KG	none
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Tetryl	23.4	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Trinitrobenzene[1,3,5-]	21.1	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Trinitrotoluene[2,4,6-]	325	MG/KG	none
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Amino-2,6-dinitrotoluene[4-]	0.566	MG/KG	U

Table I-2.0-2 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Amino-4,6-dinitrotoluene[2-]	41.4	MG/KG	none
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Dinitrobenzene[1,3-]	0.425	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Dinitrotoluene[2,4-]	2.54	MG/KG	none
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Dinitrotoluene[2,6-]	0.496	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	HMX	32900	MG/KG	none
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Nitrobenzene	0.561	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Nitrotoluene[2-]	0.966	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Nitrotoluene[3-]	0.958	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Nitrotoluene[4-]	2.12	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	RDX	29600	MG/KG	none
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Tetryl	0.581	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Trinitrobenzene[1,3,5-]	0.524	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Trinitrotoluene[2,4,6-]	4570	MG/KG	none
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Amino-2,6-dinitrotoluene[4-]	8.18	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Amino-4,6-dinitrotoluene[2-]	28	MG/KG	none
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Dinitrobenzene[1,3-]	6.15	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Dinitrotoluene[2,4-]	5.1	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Dinitrotoluene[2,6-]	7.17	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	HMX	77200	MG/KG	none
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Nitrobenzene	8.11	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Nitrotoluene[2-]	14	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Nitrotoluene[3-]	13.8	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Nitrotoluene[4-]	16.6	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	RDX	14500	MG/KG	none
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Tetryl	8.39	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Trinitrobenzene[1,3,5-]	7.57	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Trinitrotoluene[2,4,6-]	422	MG/KG	none
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Amino-2,6-dinitrotoluene[4-]	17	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Amino-4,6-dinitrotoluene[2-]	27.8	MG/KG	none
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Dinitrobenzene[1,3-]	2.52	MG/KG	U

Table I-2.0-2 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Dinitrotoluene[2,4-]	2.09	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Dinitrotoluene[2,6-]	2.94	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	HMX	81300	MG/KG	none
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Nitrobenzene	3.33	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Nitrotoluene[2-]	5.72	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Nitrotoluene[3-]	5.68	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Nitrotoluene[4-]	6.83	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	RDX	10200	MG/KG	none
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Tetryl	3.44	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Trinitrobenzene[1,3,5-]	3.11	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Trinitrotoluene[2,4,6-]	311	MG/KG	none
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Amino-2,6-dinitrotoluene[4-]	3.51	MG/KG	none
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Amino-4,6-dinitrotoluene[2-]	25.6	MG/KG	none
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Dinitrobenzene[1,3-]	2.64	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Dinitrotoluene[2,4-]	2.19	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Dinitrotoluene[2,6-]	3.08	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	HMX	33700	MG/KG	none
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Nitrobenzene	3.48	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Nitrotoluene[2-]	5.99	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Nitrotoluene[3-]	5.94	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Nitrotoluene[4-]	7.15	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	RDX	15500	MG/KG	none
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Tetryl	3.6	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Trinitrobenzene[1,3,5-]	3.25	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Trinitrotoluene[2,4,6-]	240	MG/KG	none
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Amino-2,6-dinitrotoluene[4-]	36	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Amino-4,6-dinitrotoluene[2-]	59.6	MG/KG	none
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Dinitrobenzene[1,3-]	27.1	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Dinitrotoluene[2,4-]	22.5	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Dinitrotoluene[2,6-]	31.6	MG/KG	U

Table I-2.0-2 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	HMX	137000	MG/KG	none
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Nitrobenzene	35.7	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Nitrotoluene[2-]	61.5	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Nitrotoluene[3-]	61	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Nitrotoluene[4-]	73.4	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	RDX	9060	MG/KG	none
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Tetryl	37	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Trinitrobenzene[1,3,5-]	33.4	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Trinitrotoluene[2,4,6-]	402	MG/KG	none
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Amino-2,6-dinitrotoluene[4-]	3.27	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Amino-4,6-dinitrotoluene[2-]	35.9	MG/KG	none
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Dinitrobenzene[1,3-]	2.46	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Dinitrotoluene[2,4-]	2.04	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Dinitrotoluene[2,6-]	2.87	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	HMX	54000	MG/KG	none
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Nitrobenzene	3.24	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Nitrotoluene[2-]	5.58	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Nitrotoluene[3-]	5.54	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Nitrotoluene[4-]	6.66	MG/KG	J
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	RDX	5290	MG/KG	none
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Tetryl	3.36	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Trinitrobenzene[1,3,5-]	3.03	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Trinitrotoluene[2,4,6-]	181	MG/KG	none
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Amino-2,6-dinitrotoluene[4-]	34.7	MG/KG	none
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Amino-4,6-dinitrotoluene[2-]	38.3	MG/KG	none
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Dinitrobenzene[1,3-]	0.501	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Dinitrotoluene[2,4-]	1.45	MG/KG	none
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Dinitrotoluene[2,6-]	0.584	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	HMX	54700	MG/KG	none
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Nitrobenzene	0.66	MG/KG	U

Table I-2.0-2 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Nitrotoluene[2-]	1.14	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Nitrotoluene[3-]	1.13	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Nitrotoluene[4-]	1.36	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	RDX	3500	MG/KG	none
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Tetryl	0.683	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Trinitrobenzene[1,3,5-]	0.617	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Trinitrotoluene[2,4,6-]	106	MG/KG	none
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Amino-2,6-dinitrotoluene[4-]	10.1	MG/KG	none
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Amino-4,6-dinitrotoluene[2-]	11.5	MG/KG	none
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Dinitrobenzene[1,3-]	0.085	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Dinitrotoluene[2,4-]	0.308	MG/KG	none
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Dinitrotoluene[2,6-]	0.144	MG/KG	none
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	HMX	2750	MG/KG	none
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Nitrobenzene	0.112	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Nitrotoluene[2-]	0.421	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Nitrotoluene[3-]	0.191	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Nitrotoluene[4-]	0.229	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	RDX	1220	MG/KG	none
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Tetryl	0.116	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Trinitrobenzene[1,3,5-]	0.276	MG/KG	none
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Trinitrotoluene[2,4,6-]	19.8	MG/KG	none
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Amino-2,6-dinitrotoluene[4-]	60.8	MG/KG	none
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Amino-4,6-dinitrotoluene[2-]	64.4	MG/KG	none
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Dinitrobenzene[1,3-]	0.676	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Dinitrotoluene[2,4-]	0.88	MG/KG	none
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Dinitrotoluene[2,6-]	0.788	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	HMX	23000	MG/KG	none
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Nitrobenzene	0.891	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Nitrotoluene[2-]	1.53	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Nitrotoluene[3-]	1.52	MG/KG	U

Table I-2.0-2 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Nitrotoluene[4-]	1.83	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	RDX	137	MG/KG	none
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Tetryl	0.923	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Trinitrobenzene[1,3,5-]	0.833	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Trinitrotoluene[2,4,6-]	95.2	MG/KG	none
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Amino-2,6-dinitrotoluene[4-]	10.5	MG/KG	none
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Amino-4,6-dinitrotoluene[2-]	13.2	MG/KG	none
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Dinitrobenzene[1,3-]	0.405	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Dinitrotoluene[2,4-]	1.13	MG/KG	none
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Dinitrotoluene[2,6-]	0.472	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	HMX	5200	MG/KG	none
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Nitrobenzene	0.534	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Nitrotoluene[2-]	0.92	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Nitrotoluene[3-]	0.912	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Nitrotoluene[4-]	1.1	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	RDX	452	MG/KG	none
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Tetryl	0.553	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Trinitrobenzene[1,3,5-]	0.499	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Trinitrotoluene[2,4,6-]	19.9	MG/KG	none
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Amino-2,6-dinitrotoluene[4-]	33	MG/KG	none
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Amino-4,6-dinitrotoluene[2-]	38.2	MG/KG	none
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Dinitrobenzene[1,3-]	0.446	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Dinitrotoluene[2,4-]	0.916	MG/KG	none
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Dinitrotoluene[2,6-]	0.537	MG/KG	none
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	HMX	20300	MG/KG	none
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Nitrobenzene	0.588	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Nitrotoluene[2-]	1.01	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Nitrotoluene[3-]	1	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Nitrotoluene[4-]	1.21	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	RDX	611	MG/KG	none

Table I-2.0-2 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Tetryl	0.609	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Trinitrobenzene[1,3,5-]	0.735	MG/KG	none
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Trinitrotoluene[2,4,6-]	44.3	MG/KG	none
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Amino-2,6-dinitrotoluene[4-]	27.3	MG/KG	none
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Amino-4,6-dinitrotoluene[2-]	33.1	MG/KG	none
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Dinitrobenzene[1,3-]	0.435	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Dinitrotoluene[2,4-]	0.877	MG/KG	none
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Dinitrotoluene[2,6-]	0.507	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	HMX	12500	MG/KG	none
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Nitrobenzene	0.573	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Nitrotoluene[2-]	0.986	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Nitrotoluene[3-]	0.979	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Nitrotoluene[4-]	1.18	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	RDX	302	MG/KG	none
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Tetryl	0.593	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Trinitrobenzene[1,3,5-]	0.535	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Trinitrotoluene[2,4,6-]	14.3	MG/KG	none
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Amino-2,6-dinitrotoluene[4-]	0.928	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Amino-4,6-dinitrotoluene[2-]	0.782	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Dinitrobenzene[1,3-]	0.698	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Dinitrotoluene[2,4-]	10.5	MG/KG	J-
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Dinitrotoluene[2,6-]	0.814	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	HMX	5240	MG/KG	J-
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Nitrobenzene	0.92	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Nitrotoluene[2-]	1.58	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Nitrotoluene[3-]	1.57	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Nitrotoluene[4-]	1.89	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	RDX	61500	MG/KG	J-
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Tetryl	0.953	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Trinitrobenzene[1,3,5-]	1.66	MG/KG	J-

Table I-2.0-2 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Trinitrotoluene[2,4,6-]	31900	MG/KG	J-
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Amino-2,6-dinitrotoluene[4-]	0.465	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Amino-4,6-dinitrotoluene[2-]	0.392	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Dinitrobenzene[1,3-]	2.04	MG/KG	J-
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Dinitrotoluene[2,4-]	46.1	MG/KG	J-
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Dinitrotoluene[2,6-]	0.408	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	HMX	24600	MG/KG	J-
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Nitrobenzene	0.461	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Nitrotoluene[2-]	0.793	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Nitrotoluene[3-]	0.787	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Nitrotoluene[4-]	0.947	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	RDX	118000	MG/KG	J-
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Tetryl	0.477	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Trinitrobenzene[1,3,5-]	3.99	MG/KG	J-
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Trinitrotoluene[2,4,6-]	102000	MG/KG	J-
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Amino-2,6-dinitrotoluene[4-]	2.34	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Amino-4,6-dinitrotoluene[2-]	1.97	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Dinitrobenzene[1,3-]	1.76	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Dinitrotoluene[2,4-]	24.2	MG/KG	J-
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Dinitrotoluene[2,6-]	2.05	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	HMX	70900	MG/KG	J-
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Nitrobenzene	2.32	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Nitrotoluene[2-]	3.99	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Nitrotoluene[3-]	3.96	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Nitrotoluene[4-]	4.76	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	RDX	116000	MG/KG	J-
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Tetryl	2.4	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Trinitrobenzene[1,3,5-]	4.68	MG/KG	J-
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Trinitrotoluene[2,4,6-]	57300	MG/KG	J-
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Amino-2,6-dinitrotoluene[4-]	8.4	MG/KG	U

Table I-2.0-2 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Amino-4,6-dinitrotoluene[2-]	17.2	MG/KG	none
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Dinitrobenzene[1,3-]	6.32	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Dinitrotoluene[2,4-]	5.24	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Dinitrotoluene[2,6-]	7.37	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	HMX	43100	MG/KG	none
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Nitrobenzene	8.33	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Nitrotoluene[2-]	14.3	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Nitrotoluene[3-]	14.2	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Nitrotoluene[4-]	17.1	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	RDX	18800	MG/KG	none
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Tetryl	8.63	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Trinitrobenzene[1,3,5-]	7.78	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Trinitrotoluene[2,4,6-]	255	MG/KG	none
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Amino-2,6-dinitrotoluene[4-]	38.6	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Amino-4,6-dinitrotoluene[2-]	32.5	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Dinitrobenzene[1,3-]	29	MG/KG	J
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Dinitrotoluene[2,4-]	24.1	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Dinitrotoluene[2,6-]	33.9	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	HMX	102000	MG/KG	none
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Nitrobenzene	38.3	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Nitrotoluene[2-]	65.9	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Nitrotoluene[3-]	65.4	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Nitrotoluene[4-]	78.7	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	RDX	23500	MG/KG	none
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Tetryl	39.7	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Trinitrobenzene[1,3,5-]	35.8	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Trinitrotoluene[2,4,6-]	370	MG/KG	none
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Amino-2,6-dinitrotoluene[4-]	2.32	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Amino-4,6-dinitrotoluene[2-]	1.96	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Dinitrobenzene[1,3-]	1.75	MG/KG	U

Table I-2.0-2 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Dinitrotoluene[2,4-]	1.45	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Dinitrotoluene[2,6-]	2.04	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	HMX	3310	MG/KG	J-
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Nitrobenzene	2.3	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Nitrotoluene[2-]	3.97	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Nitrotoluene[3-]	3.93	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Nitrotoluene[4-]	4.73	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	RDX	41000	MG/KG	J-
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Tetryl	2.39	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Trinitrobenzene[1,3,5-]	2.15	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Trinitrotoluene[2,4,6-]	17700	MG/KG	J-
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Amino-2,6-dinitrotoluene[4-]	0.49	MG/KG	J-
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Dinitrobenzene[1,3-]	0.25	MG/KG	UJ
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Dinitrotoluene[2,4-]	0.25	MG/KG	UJ
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Dinitrotoluene[2,6-]	0.25	MG/KG	UJ
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	HMX	6.7	MG/KG	J-
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Nitrobenzene	0.25	MG/KG	UJ
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	RDX	0.98	MG/KG	UJ
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Tetryl	0.74	MG/KG	R
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Trinitrobenzene[1,3,5-]	0.25	MG/KG	UJ
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Trinitrotoluene[2,4,6-]	0.25	MG/KG	UJ
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Amino-2,6-dinitrotoluene[4-]	2.3	MG/KG	J-
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Dinitrobenzene[1,3-]	0.25	MG/KG	UJ
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Dinitrotoluene[2,4-]	0.25	MG/KG	UJ
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Dinitrotoluene[2,6-]	0.26	MG/KG	UJ
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	HMX	50	MG/KG	J-
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Nitrobenzene	0.26	MG/KG	UJ
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	RDX	0.99	MG/KG	UJ
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Tetryl	0.74	MG/KG	R
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Trinitrobenzene[1,3,5-]	0.25	MG/KG	UJ

Table I-2.0-2 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Trinitrotoluene[2,4,6-]	0.25	MG/KG	UJ
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Amino-2,6-dinitrotoluene[4-]	0.49	MG/KG	UJ
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Dinitrobenzene[1,3-]	0.25	MG/KG	UJ
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Dinitrotoluene[2,4-]	0.25	MG/KG	UJ
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Dinitrotoluene[2,6-]	0.26	MG/KG	UJ
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	HMX	2.2	MG/KG	UJ
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Nitrobenzene	0.26	MG/KG	UJ
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	RDX	0.99	MG/KG	UJ
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Tetryl	0.74	MG/KG	R
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Trinitrobenzene[1,3,5-]	0.25	MG/KG	UJ
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Trinitrotoluene[2,4,6-]	0.25	MG/KG	UJ
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Amino-2,6-dinitrotoluene[4-]	0.49	MG/KG	UJ
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Dinitrobenzene[1,3-]	0.25	MG/KG	UJ
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Dinitrotoluene[2,4-]	0.25	MG/KG	UJ
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Dinitrotoluene[2,6-]	0.25	MG/KG	UJ
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	HMX	2.2	MG/KG	UJ
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Nitrobenzene	0.25	MG/KG	UJ
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	RDX	0.98	MG/KG	UJ
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Tetryl	0.74	MG/KG	R
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Trinitrobenzene[1,3,5-]	0.25	MG/KG	UJ
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Trinitrotoluene[2,4,6-]	0.25	MG/KG	UJ
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Amino-2,6-dinitrotoluene[4-]	0.085	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Amino-4,6-dinitrotoluene[2-]	0.083	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Dinitrobenzene[1,3-]	0.08	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Dinitrotoluene[2,4-]	0.061	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Dinitrotoluene[2,6-]	0.081	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	HMX	0.162	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Nitrobenzene	0.091	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Nitrotoluene[2-]	0.162	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Nitrotoluene[3-]	0.16	MG/KG	U

Table I-2.0-2 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Nitrotoluene[4-]	0.162	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	RDX	0.162	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Tetryl	0.105	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Trinitrobenzene[1,3,5-]	0.081	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Trinitrotoluene[2,4,6-]	0.085	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Amino-2,6-dinitrotoluene[4-]	0.169	MG/KG	none
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Amino-4,6-dinitrotoluene[2-]	0.406	MG/KG	none
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Dinitrobenzene[1,3-]	0.081	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Dinitrotoluene[2,4-]	0.062	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Dinitrotoluene[2,6-]	0.082	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	HMX	0.322	MG/KG	none
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Nitrobenzene	0.092	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Nitrotoluene[2-]	0.164	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Nitrotoluene[3-]	0.162	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Nitrotoluene[4-]	0.164	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	RDX	0.456	MG/KG	none
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Tetryl	0.107	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Trinitrobenzene[1,3,5-]	0.082	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Trinitrotoluene[2,4,6-]	0.086	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Amino-2,6-dinitrotoluene[4-]	250	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Amino-4,6-dinitrotoluene[2-]	250	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Dinitrobenzene[1,3-]	250	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Dinitrotoluene[2,4-]	250	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Dinitrotoluene[2,6-]	260	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	HMX	15000	MG/KG	none
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Nitrobenzene	260	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Nitrotoluene[2-]	250	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Nitrotoluene[3-]	250	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Nitrotoluene[4-]	250	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	RDX	1000	MG/KG	U

Table I-2.0-2 (concluded)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Tetryl	650	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Trinitrobenzene[1,3,5-]	250	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Trinitrotoluene[2,4,6-]	250	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Amino-2,6-dinitrotoluene[4-]	250	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Amino-4,6-dinitrotoluene[2-]	250	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Dinitrobenzene[1,3-]	250	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Dinitrotoluene[2,4-]	250	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Dinitrotoluene[2,6-]	260	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	HMX	12000	MG/KG	none
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Nitrobenzene	260	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Nitrotoluene[2-]	250	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Nitrotoluene[3-]	250	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Nitrotoluene[4-]	250	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	RDX	1000	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Tetryl	650	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Trinitrobenzene[1,3,5-]	250	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Trinitrotoluene[2,4,6-]	250	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Amino-2,6-dinitrotoluene[4-]	0.49	MG/KG	UJ
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Dinitrobenzene[1,3-]	0.24	MG/KG	UJ
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Dinitrotoluene[2,4-]	0.24	MG/KG	UJ
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Dinitrotoluene[2,6-]	0.25	MG/KG	UJ
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	HMX	2.1	MG/KG	UJ
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Nitrobenzene	0.25	MG/KG	UJ
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	RDX	0.98	MG/KG	UJ
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Tetryl	0.73	MG/KG	R
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Trinitrobenzene[1,3,5-]	0.25	MG/KG	UJ
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Trinitrotoluene[2,4,6-]	0.25	MG/KG	UJ

Table I-2.0-3
Volatile Chemicals in Drainage Sediments Samples

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Acetone	0.067	MG/KG	J-
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Benzene	0.007	MG/KG	UJ
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Bromobenzene	0.007	MG/KG	UJ
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Bromochloromethane	0.007	MG/KG	UJ
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Bromodichloromethane	0.007	MG/KG	UJ
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Bromoform	0.007	MG/KG	UJ
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Bromomethane	0.014	MG/KG	UJ
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Butanone[2-]	0.028	MG/KG	UJ
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Butylbenzene[n-]	0.007	MG/KG	UJ
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Butylbenzene[sec-]	0.007	MG/KG	UJ
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Butylbenzene[tert-]	0.007	MG/KG	UJ
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Carbon Disulfide	0.007	MG/KG	UJ
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Carbon Tetrachloride	0.007	MG/KG	UJ
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Chlorobenzene	0.007	MG/KG	UJ
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Chlorodibromomethane	0.007	MG/KG	UJ
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Chloroethane	0.014	MG/KG	UJ
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Chloroform	0.007	MG/KG	UJ
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Chloromethane	0.014	MG/KG	UJ
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Chlorotoluene[2-]	0.007	MG/KG	UJ
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Chlorotoluene[4-]	0.007	MG/KG	UJ
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Dibromo-3-chloropropane[1,2-]	0.014	MG/KG	UJ
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Dibromoethane[1,2-]	0.007	MG/KG	UJ
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Dibromomethane	0.007	MG/KG	UJ
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Dichlorobenzene[1,2-]	0.007	MG/KG	UJ
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Dichlorobenzene[1,3-]	0.007	MG/KG	UJ
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Dichlorobenzene[1,4-]	0.007	MG/KG	UJ
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Dichlorodifluoromethane	0.014	MG/KG	UJ

Table I-2.0-3 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Dichloroethane[1,1-]	0.007	MG/KG	UJ
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Dichloroethane[1,2-]	0.007	MG/KG	UJ
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Dichloroethene[1,1-]	0.007	MG/KG	UJ
16-1379	16-021(c)	0316-95-0044	1	1.5	FT	SED	Dichloroethene[cis-1,2-]	0.007	MG/KG	UJ
16-1379	16-021(c)	0316-95-0044	1	1.5	FT	SED	Dichloroethene[trans-1,2-]	0.007	MG/KG	UJ
16-1379	16-021(c)	0316-95-0044	1	1.5	FT	SED	Dichloropropane[1,2-]	0.007	MG/KG	UJ
16-1379	16-021(c)	0316-95-0044	1	1.5	FT	SED	Dichloropropane[1,3-]	0.007	MG/KG	UJ
16-1379	16-021(c)	0316-95-0044	1	1.5	FT	SED	Dichloropropane[2,2-]	0.007	MG/KG	UJ
16-1379	16-021(c)	0316-95-0044	1	1.5	FT	SED	Dichloropropene[1,1-]	0.007	MG/KG	UJ
16-1379	16-021(c)	0316-95-0044	1	1.5	FT	SED	Dichloropropene[cis-1,3-]	0.007	MG/KG	UJ
16-1379	16-021(c)	0316-95-0044	1	1.5	FT	SED	Dichloropropene[trans-1,3-]	0.007	MG/KG	UJ
16-1379	16-021(c)	0316-95-0044	1	1.5	FT	SED	Ethylbenzene	0.007	MG/KG	UJ
16-1379	16-021(c)	0316-95-0044	1	1.5	FT	SED	Hexanone[2-]	0.028	MG/KG	UJ
16-1379	16-021(c)	0316-95-0044	1	1.5	FT	SED	Iodomethane	0.007	MG/KG	UJ
16-1379	16-021(c)	0316-95-0044	1	1.5	FT	SED	Isopropylbenzene	0.007	MG/KG	UJ
16-1379	16-021(c)	0316-95-0044	1	1.5	FT	SED	Isopropyltoluene[4-]	0.015	MG/KG	J-
16-1379	16-021(c)	0316-95-0044	1	1.5	FT	SED	Methyl-2-pentanone[4-]	0.028	MG/KG	UJ
16-1379	16-021(c)	0316-95-0044	1	1.5	FT	SED	Methylene Chloride	0.041	MG/KG	UJ
16-1379	16-021(c)	0316-95-0044	1	1.5	FT	SED	Propylbenzene[1-]	0.007	MG/KG	UJ
16-1379	16-021(c)	0316-95-0044	1	1.5	FT	SED	Styrene	0.007	MG/KG	UJ
16-1379	16-021(c)	0316-95-0044	1	1.5	FT	SED	Tetrachloroethane[1,1,1,2-]	0.007	MG/KG	UJ
16-1379	16-021(c)	0316-95-0044	1	1.5	FT	SED	Tetrachloroethane[1,1,2,2-]	0.007	MG/KG	UJ
16-1379	16-021(c)	0316-95-0044	1	1.5	FT	SED	Tetrachloroethene	0.007	MG/KG	UJ
16-1379	16-021(c)	0316-95-0044	1	1.5	FT	SED	Toluene	0.007	MG/KG	UJ
16-1379	16-021(c)	0316-95-0044	1	1.5	FT	SED	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.007	MG/KG	UJ
16-1379	16-021(c)	0316-95-0044	1	1.5	FT	SED	Trichloroethane[1,1,1-]	0.007	MG/KG	UJ
16-1379	16-021(c)	0316-95-0044	1	1.5	FT	SED	Trichloroethane[1,1,2-]	0.007	MG/KG	UJ
16-1379	16-021(c)	0316-95-0044	1	1.5	FT	SED	Trichloroethene	0.007	MG/KG	UJ

Table I-2.0-3 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-1379	16-021(c)	0316-95-0044	1	1.5	FT	SED	Trichlorofluoromethane	0.007	MG/KG	UJ
16-1379	16-021(c)	0316-95-0044	1	1.5	FT	SED	Trichloropropane[1,2,3-]	0.007	MG/KG	UJ
16-1379	16-021(c)	0316-95-0044	1	1.5	FT	SED	Trimethylbenzene[1,2,4-]	0.007	MG/KG	UJ
16-1379	16-021(c)	0316-95-0044	1	1.5	FT	SED	Trimethylbenzene[1,3,5-]	0.007	MG/KG	UJ
16-1379	16-021(c)	0316-95-0044	1	1.5	FT	SED	Vinyl Chloride	0.014	MG/KG	UJ
16-1379	16-021(c)	0316-95-0044	1	1.5	FT	SED	Xylene (Total)	0.007	MG/KG	UJ
16-1382	16-021(c)	0316-95-0045	1.5	1.9	FT	SED	Acetone	0.028	MG/KG	UJ
16-1382	16-021(c)	0316-95-0045	1.5	1.9	FT	SED	Benzene	0.007	MG/KG	UJ
16-1382	16-021(c)	0316-95-0045	1.5	1.9	FT	SED	Bromobenzene	0.007	MG/KG	UJ
16-1382	16-021(c)	0316-95-0045	1.5	1.9	FT	SED	Bromochloromethane	0.007	MG/KG	UJ
16-1382	16-021(c)	0316-95-0045	1.5	1.9	FT	SED	Bromodichloromethane	0.007	MG/KG	UJ
16-1382	16-021(c)	0316-95-0045	1.5	1.9	FT	SED	Bromoform	0.007	MG/KG	UJ
16-1382	16-021(c)	0316-95-0045	1.5	1.9	FT	SED	Bromomethane	0.014	MG/KG	UJ
16-1382	16-021(c)	0316-95-0045	1.5	1.9	FT	SED	Butanone[2-]	0.028	MG/KG	UJ
16-1382	16-021(c)	0316-95-0045	1.5	1.9	FT	SED	Butylbenzene[n-]	0.007	MG/KG	UJ
16-1382	16-021(c)	0316-95-0045	1.5	1.9	FT	SED	Butylbenzene[sec-]	0.04	MG/KG	J-
16-1382	16-021(c)	0316-95-0045	1.5	1.9	FT	SED	Butylbenzene[tert-]	0.007	MG/KG	UJ
16-1382	16-021(c)	0316-95-0045	1.5	1.9	FT	SED	Carbon Disulfide	0.007	MG/KG	UJ
16-1382	16-021(c)	0316-95-0045	1.5	1.9	FT	SED	Carbon Tetrachloride	0.007	MG/KG	UJ
16-1382	16-021(c)	0316-95-0045	1.5	1.9	FT	SED	Chlorobenzene	0.007	MG/KG	UJ
16-1382	16-021(c)	0316-95-0045	1.5	1.9	FT	SED	Chlorodibromomethane	0.007	MG/KG	UJ
16-1382	16-021(c)	0316-95-0045	1.5	1.9	FT	SED	Chloroethane	0.014	MG/KG	UJ
16-1382	16-021(c)	0316-95-0045	1.5	1.9	FT	SED	Chloroform	0.007	MG/KG	UJ
16-1382	16-021(c)	0316-95-0045	1.5	1.9	FT	SED	Chloromethane	0.014	MG/KG	UJ
16-1382	16-021(c)	0316-95-0045	1.5	1.9	FT	SED	Chlorotoluene[2-]	0.007	MG/KG	UJ
16-1382	16-021(c)	0316-95-0045	1.5	1.9	FT	SED	Chlorotoluene[4-]	0.007	MG/KG	UJ
16-1382	16-021(c)	0316-95-0045	1.5	1.9	FT	SED	Dibromo-3-chloropropane[1,2-]	0.014	MG/KG	UJ
16-1382	16-021(c)	0316-95-0045	1.5	1.9	FT	SED	Dibromoethane[1,2-]	0.007	MG/KG	UJ
16-1382	16-021(c)	0316-95-0045	1.5	1.9	FT	SED	Dibromomethane	0.007	MG/KG	UJ

Table I-2.0-3 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-1382	16-021(c)	0316-95-0045	1.5	1.9	FT	SED	Dichlorobenzene[1,2-]	0.007	MG/KG	UJ
16-1382	16-021(c)	0316-95-0045	1.5	1.9	FT	SED	Dichlorobenzene[1,3-]	0.007	MG/KG	UJ
16-1382	16-021(c)	0316-95-0045	1.5	1.9	FT	SED	Dichlorobenzene[1,4-]	0.007	MG/KG	UJ
16-1382	16-021(c)	0316-95-0045	1.5	1.9	FT	SED	Dichlorodifluoromethane	0.014	MG/KG	UJ
16-1382	16-021(c)	0316-95-0045	1.5	1.9	FT	SED	Dichloroethane[1,1-]	0.007	MG/KG	UJ
16-1382	16-021(c)	0316-95-0045	1.5	1.9	FT	SED	Dichloroethane[1,2-]	0.007	MG/KG	UJ
16-1382	16-021(c)	0316-95-0045	1.5	1.9	FT	SED	Dichloroethene[1,1-]	0.007	MG/KG	UJ
16-1382	16-021(c)	0316-95-0045	1.5	1.9	FT	SED	Dichloroethene[cis-1,2-]	0.007	MG/KG	UJ
16-1382	16-021(c)	0316-95-0045	1.5	1.9	FT	SED	Dichloroethene[trans-1,2-]	0.007	MG/KG	UJ
16-1382	16-021(c)	0316-95-0045	1.5	1.9	FT	SED	Dichloropropane[1,2-]	0.007	MG/KG	UJ
16-1382	16-021(c)	0316-95-0045	1.5	1.9	FT	SED	Dichloropropane[1,3-]	0.007	MG/KG	UJ
16-1382	16-021(c)	0316-95-0045	1.5	1.9	FT	SED	Dichloropropane[2,2-]	0.007	MG/KG	UJ
16-1382	16-021(c)	0316-95-0045	1.5	1.9	FT	SED	Dichloropropene[1,1-]	0.007	MG/KG	UJ
16-1382	16-021(c)	0316-95-0045	1.5	1.9	FT	SED	Dichloropropene[cis-1,3-]	0.007	MG/KG	UJ
16-1382	16-021(c)	0316-95-0045	1.5	1.9	FT	SED	Dichloropropene[trans-1,3-]	0.007	MG/KG	UJ
16-1382	16-021(c)	0316-95-0045	1.5	1.9	FT	SED	Ethylbenzene	0.007	MG/KG	UJ
16-1382	16-021(c)	0316-95-0045	1.5	1.9	FT	SED	Hexanone[2-]	0.028	MG/KG	UJ
16-1382	16-021(c)	0316-95-0045	1.5	1.9	FT	SED	Iodomethane	0.007	MG/KG	UJ
16-1382	16-021(c)	0316-95-0045	1.5	1.9	FT	SED	Isopropylbenzene	0.007	MG/KG	UJ
16-1382	16-021(c)	0316-95-0045	1.5	1.9	FT	SED	Isopropyltoluene[4-]	0.14	MG/KG	J-
16-1382	16-021(c)	0316-95-0045	1.5	1.9	FT	SED	Methyl-2-pentanone[4-]	0.028	MG/KG	UJ
16-1382	16-021(c)	0316-95-0045	1.5	1.9	FT	SED	Methylene Chloride	0.032	MG/KG	UJ
16-1382	16-021(c)	0316-95-0045	1.5	1.9	FT	SED	Propylbenzene[1-]	0.007	MG/KG	UJ
16-1382	16-021(c)	0316-95-0045	1.5	1.9	FT	SED	Styrene	0.007	MG/KG	UJ
16-1382	16-021(c)	0316-95-0045	1.5	1.9	FT	SED	Tetrachloroethane[1,1,1,2-]	0.007	MG/KG	UJ
16-1382	16-021(c)	0316-95-0045	1.5	1.9	FT	SED	Tetrachloroethane[1,1,2,2-]	0.007	MG/KG	UJ
16-1382	16-021(c)	0316-95-0045	1.5	1.9	FT	SED	Tetrachloroethene	0.007	MG/KG	UJ
16-1382	16-021(c)	0316-95-0045	1.5	1.9	FT	SED	Toluene	0.007	MG/KG	UJ
16-1382	16-021(c)	0316-95-0045	1.5	1.9	FT	SED	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.007	MG/KG	UJ

Table I-2.0-3 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-1382	16-021(c)	0316-95-0045	1.5	1.9	FT	SED	Trichloroethane[1,1,1-]	0.007	MG/KG	UJ
16-1382	16-021(c)	0316-95-0045	1.5	1.9	FT	SED	Trichloroethane[1,1,2-]	0.007	MG/KG	UJ
16-1382	16-021(c)	0316-95-0045	1.5	1.9	FT	SED	Trichloroethene	0.007	MG/KG	UJ
16-1382	16-021(c)	0316-95-0045	1.5	1.9	FT	SED	Trichlorofluoromethane	0.007	MG/KG	UJ
16-1382	16-021(c)	0316-95-0045	1.5	1.9	FT	SED	Trichloropropane[1,2,3-]	0.007	MG/KG	UJ
16-1382	16-021(c)	0316-95-0045	1.5	1.9	FT	SED	Trimethylbenzene[1,2,4-]	0.08	MG/KG	J-
16-1382	16-021(c)	0316-95-0045	1.5	1.9	FT	SED	Trimethylbenzene[1,3,5-]	0.007	MG/KG	UJ
16-1382	16-021(c)	0316-95-0045	1.5	1.9	FT	SED	Vinyl Chloride	0.014	MG/KG	UJ
16-1382	16-021(c)	0316-95-0045	1.5	1.9	FT	SED	Xylene (Total)	0.007	MG/KG	UJ
16-1383	16-021(c)	0316-95-0046	1.7	2.2	FT	SED	Acetone	0.044	MG/KG	J-
16-1383	16-021(c)	0316-95-0046	1.7	2.2	FT	SED	Benzene	0.008	MG/KG	UJ
16-1383	16-021(c)	0316-95-0046	1.7	2.2	FT	SED	Bromobenzene	0.008	MG/KG	UJ
16-1383	16-021(c)	0316-95-0046	1.7	2.2	FT	SED	Bromochloromethane	0.008	MG/KG	UJ
16-1383	16-021(c)	0316-95-0046	1.7	2.2	FT	SED	Bromodichloromethane	0.008	MG/KG	UJ
16-1383	16-021(c)	0316-95-0046	1.7	2.2	FT	SED	Bromoform	0.008	MG/KG	UJ
16-1383	16-021(c)	0316-95-0046	1.7	2.2	FT	SED	Bromomethane	0.015	MG/KG	UJ
16-1383	16-021(c)	0316-95-0046	1.7	2.2	FT	SED	Butanone[2-]	0.031	MG/KG	UJ
16-1383	16-021(c)	0316-95-0046	1.7	2.2	FT	SED	Butylbenzene[n-]	0.008	MG/KG	UJ
16-1383	16-021(c)	0316-95-0046	1.7	2.2	FT	SED	Butylbenzene[sec-]	0.008	MG/KG	UJ
16-1383	16-021(c)	0316-95-0046	1.7	2.2	FT	SED	Butylbenzene[tert-]	0.008	MG/KG	UJ
16-1383	16-021(c)	0316-95-0046	1.7	2.2	FT	SED	Carbon Disulfide	0.008	MG/KG	UJ
16-1383	16-021(c)	0316-95-0046	1.7	2.2	FT	SED	Carbon Tetrachloride	0.008	MG/KG	UJ
16-1383	16-021(c)	0316-95-0046	1.7	2.2	FT	SED	Chlorobenzene	0.008	MG/KG	UJ
16-1383	16-021(c)	0316-95-0046	1.7	2.2	FT	SED	Chlorodibromomethane	0.008	MG/KG	UJ
16-1383	16-021(c)	0316-95-0046	1.7	2.2	FT	SED	Chloroethane	0.015	MG/KG	UJ
16-1383	16-021(c)	0316-95-0046	1.7	2.2	FT	SED	Chloroform	0.008	MG/KG	UJ
16-1383	16-021(c)	0316-95-0046	1.7	2.2	FT	SED	Chloromethane	0.015	MG/KG	UJ
16-1383	16-021(c)	0316-95-0046	1.7	2.2	FT	SED	Chlorotoluene[2-]	0.008	MG/KG	UJ
16-1383	16-021(c)	0316-95-0046	1.7	2.2	FT	SED	Chlorotoluene[4-]	0.008	MG/KG	UJ

Table I-2.0-3 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-1383	16-021(c)	0316-95-0046	1.7	2.2	FT	SED	Dibromo-3-chloropropane[1,2-]	0.015	MG/KG	UJ
16-1383	16-021(c)	0316-95-0046	1.7	2.2	FT	SED	Dibromoethane[1,2-]	0.008	MG/KG	UJ
16-1383	16-021(c)	0316-95-0046	1.7	2.2	FT	SED	Dibromomethane	0.008	MG/KG	UJ
16-1383	16-021(c)	0316-95-0046	1.7	2.2	FT	SED	Dichlorobenzene[1,2-]	0.01	MG/KG	none
16-1383	16-021(c)	0316-95-0046	1.7	2.2	FT	SED	Dichlorobenzene[1,3-]	0.008	MG/KG	UJ
16-1383	16-021(c)	0316-95-0046	1.7	2.2	FT	SED	Dichlorobenzene[1,4-]	0.008	MG/KG	UJ
16-1383	16-021(c)	0316-95-0046	1.7	2.2	FT	SED	Dichlorodifluoromethane	0.015	MG/KG	UJ
16-1383	16-021(c)	0316-95-0046	1.7	2.2	FT	SED	Dichloroethane[1,1-]	0.008	MG/KG	UJ
16-1383	16-021(c)	0316-95-0046	1.7	2.2	FT	SED	Dichloroethane[1,2-]	0.008	MG/KG	UJ
16-1383	16-021(c)	0316-95-0046	1.7	2.2	FT	SED	Dichloroethene[1,1-]	0.008	MG/KG	UJ
16-1383	16-021(c)	0316-95-0046	1.7	2.2	FT	SED	Dichloroethene[cis-1,2-]	0.008	MG/KG	UJ
16-1383	16-021(c)	0316-95-0046	1.7	2.2	FT	SED	Dichloroethene[trans-1,2-]	0.008	MG/KG	UJ
16-1383	16-021(c)	0316-95-0046	1.7	2.2	FT	SED	Dichloropropane[1,2-]	0.008	MG/KG	UJ
16-1383	16-021(c)	0316-95-0046	1.7	2.2	FT	SED	Dichloropropane[1,3-]	0.008	MG/KG	UJ
16-1383	16-021(c)	0316-95-0046	1.7	2.2	FT	SED	Dichloropropane[2,2-]	0.008	MG/KG	UJ
16-1383	16-021(c)	0316-95-0046	1.7	2.2	FT	SED	Dichloropropene[1,1-]	0.008	MG/KG	UJ
16-1383	16-021(c)	0316-95-0046	1.7	2.2	FT	SED	Dichloropropene[cis-1,3-]	0.008	MG/KG	UJ
16-1383	16-021(c)	0316-95-0046	1.7	2.2	FT	SED	Dichloropropene[trans-1,3-]	0.008	MG/KG	UJ
16-1383	16-021(c)	0316-95-0046	1.7	2.2	FT	SED	Ethylbenzene	0.008	MG/KG	UJ
16-1383	16-021(c)	0316-95-0046	1.7	2.2	FT	SED	Hexanone[2-]	0.031	MG/KG	UJ
16-1383	16-021(c)	0316-95-0046	1.7	2.2	FT	SED	Iodomethane	0.008	MG/KG	UJ
16-1383	16-021(c)	0316-95-0046	1.7	2.2	FT	SED	Isopropylbenzene	0.008	MG/KG	UJ
16-1383	16-021(c)	0316-95-0046	1.7	2.2	FT	SED	Isopropyltoluene[4-]	0.008	MG/KG	J-
16-1383	16-021(c)	0316-95-0046	1.7	2.2	FT	SED	Methyl-2-pentanone[4-]	0.031	MG/KG	UJ
16-1383	16-021(c)	0316-95-0046	1.7	2.2	FT	SED	Methylene Chloride	0.046	MG/KG	UJ
16-1383	16-021(c)	0316-95-0046	1.7	2.2	FT	SED	Propylbenzene[1-]	0.008	MG/KG	UJ
16-1383	16-021(c)	0316-95-0046	1.7	2.2	FT	SED	Styrene	0.008	MG/KG	UJ
16-1383	16-021(c)	0316-95-0046	1.7	2.2	FT	SED	Tetrachloroethane[1,1,1,2-]	0.008	MG/KG	UJ
16-1383	16-021(c)	0316-95-0046	1.7	2.2	FT	SED	Tetrachloroethane[1,1,2,2-]	0.008	MG/KG	UJ

Table I-2.0-3 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-1383	16-021(c)	0316-95-0046	1.7	2.2	FT	SED	Tetrachloroethene	0.008	MG/KG	UJ
16-1383	16-021(c)	0316-95-0046	1.7	2.2	FT	SED	Toluene	0.008	MG/KG	UJ
16-1383	16-021(c)	0316-95-0046	1.7	2.2	FT	SED	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.008	MG/KG	UJ
16-1383	16-021(c)	0316-95-0046	1.7	2.2	FT	SED	Trichloroethane[1,1,1-]	0.065	MG/KG	J-
16-1383	16-021(c)	0316-95-0046	1.7	2.2	FT	SED	Trichloroethane[1,1,2-]	0.008	MG/KG	UJ
16-1383	16-021(c)	0316-95-0046	1.7	2.2	FT	SED	Trichloroethene	0.008	MG/KG	UJ
16-1383	16-021(c)	0316-95-0046	1.7	2.2	FT	SED	Trichlorofluoromethane	0.008	MG/KG	UJ
16-1383	16-021(c)	0316-95-0046	1.7	2.2	FT	SED	Trichloropropane[1,2,3-]	0.008	MG/KG	UJ
16-1383	16-021(c)	0316-95-0046	1.7	2.2	FT	SED	Trimethylbenzene[1,2,4-]	0.015	MG/KG	J-
16-1383	16-021(c)	0316-95-0046	1.7	2.2	FT	SED	Trimethylbenzene[1,3,5-]	0.008	MG/KG	UJ
16-1383	16-021(c)	0316-95-0046	1.7	2.2	FT	SED	Vinyl Chloride	0.015	MG/KG	UJ
16-1383	16-021(c)	0316-95-0046	1.7	2.2	FT	SED	Xylene (Total)	0.008	MG/KG	UJ
16-1379	16-021(c)	0316-95-2015	1	1.5	FT	SED	Acetone	0.014	MG/KG	J
16-1379	16-021(c)	0316-95-2015	1	1.5	FT	SED	Benzene	0.007	MG/KG	U
16-1379	16-021(c)	0316-95-2015	1	1.5	FT	SED	Bromobenzene	0.007	MG/KG	U
16-1379	16-021(c)	0316-95-2015	1	1.5	FT	SED	Bromochloromethane	0.007	MG/KG	U
16-1379	16-021(c)	0316-95-2015	1	1.5	FT	SED	Bromodichloromethane	0.007	MG/KG	U
16-1379	16-021(c)	0316-95-2015	1	1.5	FT	SED	Bromoform	0.007	MG/KG	U
16-1379	16-021(c)	0316-95-2015	1	1.5	FT	SED	Bromomethane	0.014	MG/KG	U
16-1379	16-021(c)	0316-95-2015	1	1.5	FT	SED	Butanone[2-]	0.028	MG/KG	U
16-1379	16-021(c)	0316-95-2015	1	1.5	FT	SED	Butylbenzene[n-]	0.007	MG/KG	U
16-1379	16-021(c)	0316-95-2015	1	1.5	FT	SED	Butylbenzene[sec-]	0.007	MG/KG	U
16-1379	16-021(c)	0316-95-2015	1	1.5	FT	SED	Butylbenzene[tert-]	0.007	MG/KG	U
16-1379	16-021(c)	0316-95-2015	1	1.5	FT	SED	Carbon Disulfide	0.007	MG/KG	U
16-1379	16-021(c)	0316-95-2015	1	1.5	FT	SED	Carbon Tetrachloride	0.007	MG/KG	U
16-1379	16-021(c)	0316-95-2015	1	1.5	FT	SED	Chlorobenzene	0.007	MG/KG	U
16-1379	16-021(c)	0316-95-2015	1	1.5	FT	SED	Chlorodibromomethane	0.007	MG/KG	U
16-1379	16-021(c)	0316-95-2015	1	1.5	FT	SED	Chloroethane	0.014	MG/KG	U
16-1379	16-021(c)	0316-95-2015	1	1.5	FT	SED	Chloroform	0.007	MG/KG	U

Table I-2.0-3 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-1379	16-021(c)	0316-95-2015	1	1.5	FT	SED	Chloromethane	0.014	MG/KG	U
16-1379	16-021(c)	0316-95-2015	1	1.5	FT	SED	Chlorotoluene[2-]	0.007	MG/KG	U
16-1379	16-021(c)	0316-95-2015	1	1.5	FT	SED	Chlorotoluene[4-]	0.007	MG/KG	U
16-1379	16-021(c)	0316-95-2015	1	1.5	FT	SED	Dibromo-3-chloropropane[1,2-]	0.014	MG/KG	U
16-1379	16-021(c)	0316-95-2015	1	1.5	FT	SED	Dibromoethane[1,2-]	0.007	MG/KG	U
16-1379	16-021(c)	0316-95-2015	1	1.5	FT	SED	Dibromomethane	0.007	MG/KG	U
16-1379	16-021(c)	0316-95-2015	1	1.5	FT	SED	Dichlorobenzene[1,2-]	0.007	MG/KG	U
16-1379	16-021(c)	0316-95-2015	1	1.5	FT	SED	Dichlorobenzene[1,3-]	0.007	MG/KG	U
16-1379	16-021(c)	0316-95-2015	1	1.5	FT	SED	Dichlorobenzene[1,4-]	0.007	MG/KG	U
16-1379	16-021(c)	0316-95-2015	1	1.5	FT	SED	Dichlorodifluoromethane	0.014	MG/KG	U
16-1379	16-021(c)	0316-95-2015	1	1.5	FT	SED	Dichloroethane[1,1-]	0.007	MG/KG	U
16-1379	16-021(c)	0316-95-2015	1	1.5	FT	SED	Dichloroethane[1,2-]	0.007	MG/KG	U
16-1379	16-021(c)	0316-95-2015	1	1.5	FT	SED	Dichloroethene[1,1-]	0.007	MG/KG	U
16-1379	16-021(c)	0316-95-2015	1	1.5	FT	SED	Dichloroethene[cis-1,2-]	0.007	MG/KG	U
16-1379	16-021(c)	0316-95-2015	1	1.5	FT	SED	Dichloroethene[trans-1,2-]	0.007	MG/KG	U
16-1379	16-021(c)	0316-95-2015	1	1.5	FT	SED	Dichloropropane[1,2-]	0.007	MG/KG	U
16-1379	16-021(c)	0316-95-2015	1	1.5	FT	SED	Dichloropropane[1,3-]	0.007	MG/KG	U
16-1379	16-021(c)	0316-95-2015	1	1.5	FT	SED	Dichloropropane[2,2-]	0.007	MG/KG	U
16-1379	16-021(c)	0316-95-2015	1	1.5	FT	SED	Dichloropropene[1,1-]	0.007	MG/KG	U
16-1379	16-021(c)	0316-95-2015	1	1.5	FT	SED	Dichloropropene[cis-1,3-]	0.007	MG/KG	U
16-1379	16-021(c)	0316-95-2015	1	1.5	FT	SED	Dichloropropene[trans-1,3-]	0.007	MG/KG	U
16-1379	16-021(c)	0316-95-2015	1	1.5	FT	SED	Ethylbenzene	0.007	MG/KG	U
16-1379	16-021(c)	0316-95-2015	1	1.5	FT	SED	Hexanone[2-]	0.028	MG/KG	U
16-1379	16-021(c)	0316-95-2015	1	1.5	FT	SED	Iodomethane	0.007	MG/KG	U
16-1379	16-021(c)	0316-95-2015	1	1.5	FT	SED	Isopropylbenzene	0.007	MG/KG	U
16-1379	16-021(c)	0316-95-2015	1	1.5	FT	SED	Isopropyltoluene[4-]	0.007	MG/KG	U
16-1379	16-021(c)	0316-95-2015	1	1.5	FT	SED	Methyl-2-pentanone[4-]	0.028	MG/KG	U
16-1379	16-021(c)	0316-95-2015	1	1.5	FT	SED	Methylene Chloride	0.019	MG/KG	U
16-1379	16-021(c)	0316-95-2015	1	1.5	FT	SED	Propylbenzene[1-]	0.007	MG/KG	U

Table I-2.0-3 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-1379	16-021(c)	0316-95-2015	1	1.5	FT	SED	Styrene	0.007	MG/KG	U
16-1379	16-021(c)	0316-95-2015	1	1.5	FT	SED	Tetrachloroethane[1,1,1,2-]	0.007	MG/KG	U
16-1379	16-021(c)	0316-95-2015	1	1.5	FT	SED	Tetrachloroethane[1,1,2,2-]	0.007	MG/KG	U
16-1379	16-021(c)	0316-95-2015	1	1.5	FT	SED	Tetrachloroethene	0.007	MG/KG	U
16-1379	16-021(c)	0316-95-2015	1	1.5	FT	SED	Toluene	0.007	MG/KG	U
16-1379	16-021(c)	0316-95-2015	1	1.5	FT	SED	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.007	MG/KG	U
16-1379	16-021(c)	0316-95-2015	1	1.5	FT	SED	Trichloroethane[1,1,1-]	0.007	MG/KG	U
16-1379	16-021(c)	0316-95-2015	1	1.5	FT	SED	Trichloroethane[1,1,2-]	0.007	MG/KG	U
16-1379	16-021(c)	0316-95-2015	1	1.5	FT	SED	Trichloroethene	0.007	MG/KG	U
16-1379	16-021(c)	0316-95-2015	1	1.5	FT	SED	Trichlorofluoromethane	0.007	MG/KG	U
16-1379	16-021(c)	0316-95-2015	1	1.5	FT	SED	Trichloropropane[1,2,3-]	0.007	MG/KG	U
16-1379	16-021(c)	0316-95-2015	1	1.5	FT	SED	Trimethylbenzene[1,2,4-]	0.007	MG/KG	U
16-1379	16-021(c)	0316-95-2015	1	1.5	FT	SED	Trimethylbenzene[1,3,5-]	0.007	MG/KG	U
16-1379	16-021(c)	0316-95-2015	1	1.5	FT	SED	Vinyl Chloride	0.014	MG/KG	U
16-1379	16-021(c)	0316-95-2015	1	1.5	FT	SED	Xylene (Total)	0.007	MG/KG	U
16-2713	16-021(c)	0316-97-0328	0	0.5	FT	SED	Acetone	0.011	MG/KG	U
16-2713	16-021(c)	0316-97-0328	0	0.5	FT	SED	Benzene	0.002	MG/KG	J+
16-2713	16-021(c)	0316-97-0328	0	0.5	FT	SED	Bromobenzene	0.006	MG/KG	UJ
16-2713	16-021(c)	0316-97-0328	0	0.5	FT	SED	Bromochloromethane	0.006	MG/KG	UJ
16-2713	16-021(c)	0316-97-0328	0	0.5	FT	SED	Bromodichloromethane	0.006	MG/KG	UJ
16-2713	16-021(c)	0316-97-0328	0	0.5	FT	SED	Bromoform	0.006	MG/KG	UJ
16-2713	16-021(c)	0316-97-0328	0	0.5	FT	SED	Bromomethane	0.011	MG/KG	UJ
16-2713	16-021(c)	0316-97-0328	0	0.5	FT	SED	Butanone[2-]	0.022	MG/KG	UJ
16-2713	16-021(c)	0316-97-0328	0	0.5	FT	SED	Butylbenzene[n-]	0.006	MG/KG	UJ
16-2713	16-021(c)	0316-97-0328	0	0.5	FT	SED	Butylbenzene[sec-]	0.006	MG/KG	UJ
16-2713	16-021(c)	0316-97-0328	0	0.5	FT	SED	Butylbenzene[tert-]	0.006	MG/KG	UJ
16-2713	16-021(c)	0316-97-0328	0	0.5	FT	SED	Carbon Disulfide	0.006	MG/KG	UJ
16-2713	16-021(c)	0316-97-0328	0	0.5	FT	SED	Carbon Tetrachloride	0.006	MG/KG	UJ
16-2713	16-021(c)	0316-97-0328	0	0.5	FT	SED	Chlorobenzene	0.006	MG/KG	UJ

Table I-2.0-3 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-2713	16-021(c)	0316-97-0328	0	0.5	FT	SED	Chlorodibromomethane	0.006	MG/KG	UJ
16-2713	16-021(c)	0316-97-0328	0	0.5	FT	SED	Chloroethane	0.011	MG/KG	UJ
16-2713	16-021(c)	0316-97-0328	0	0.5	FT	SED	Chloroform	0.006	MG/KG	UJ
16-2713	16-021(c)	0316-97-0328	0	0.5	FT	SED	Chloromethane	0.011	MG/KG	UJ
16-2713	16-021(c)	0316-97-0328	0	0.5	FT	SED	Chlorotoluene[2-]	0.006	MG/KG	UJ
16-2713	16-021(c)	0316-97-0328	0	0.5	FT	SED	Chlorotoluene[4-]	0.006	MG/KG	UJ
16-2713	16-021(c)	0316-97-0328	0	0.5	FT	SED	Dibromo-3-chloropropane[1,2-]	0.011	MG/KG	UJ
16-2713	16-021(c)	0316-97-0328	0	0.5	FT	SED	Dibromoethane[1,2-]	0.006	MG/KG	UJ
16-2713	16-021(c)	0316-97-0328	0	0.5	FT	SED	Dibromomethane	0.006	MG/KG	UJ
16-2713	16-021(c)	0316-97-0328	0	0.5	FT	SED	Dichlorobenzene[1,2-]	0.006	MG/KG	UJ
16-2713	16-021(c)	0316-97-0328	0	0.5	FT	SED	Dichlorobenzene[1,3-]	0.006	MG/KG	UJ
16-2713	16-021(c)	0316-97-0328	0	0.5	FT	SED	Dichlorobenzene[1,4-]	0.006	MG/KG	UJ
16-2713	16-021(c)	0316-97-0328	0	0.5	FT	SED	Dichlorodifluoromethane	0.011	MG/KG	UJ
16-2713	16-021(c)	0316-97-0328	0	0.5	FT	SED	Dichloroethane[1,1-]	0.006	MG/KG	UJ
16-2713	16-021(c)	0316-97-0328	0	0.5	FT	SED	Dichloroethane[1,2-]	0.006	MG/KG	UJ
16-2713	16-021(c)	0316-97-0328	0	0.5	FT	SED	Dichloroethene[1,1-]	0.006	MG/KG	UJ
16-2713	16-021(c)	0316-97-0328	0	0.5	FT	SED	Dichloroethene[cis-1,2-]	0.006	MG/KG	UJ
16-2713	16-021(c)	0316-97-0328	0	0.5	FT	SED	Dichloroethene[trans-1,2-]	0.006	MG/KG	UJ
16-2713	16-021(c)	0316-97-0328	0	0.5	FT	SED	Dichloropropane[1,2-]	0.006	MG/KG	UJ
16-2713	16-021(c)	0316-97-0328	0	0.5	FT	SED	Dichloropropane[1,3-]	0.006	MG/KG	UJ
16-2713	16-021(c)	0316-97-0328	0	0.5	FT	SED	Dichloropropane[2,2-]	0.006	MG/KG	UJ
16-2713	16-021(c)	0316-97-0328	0	0.5	FT	SED	Dichloropropene[1,1-]	0.006	MG/KG	UJ
16-2713	16-021(c)	0316-97-0328	0	0.5	FT	SED	Dichloropropene[cis-1,3-]	0.006	MG/KG	UJ
16-2713	16-021(c)	0316-97-0328	0	0.5	FT	SED	Dichloropropene[trans-1,3-]	0.006	MG/KG	UJ
16-2713	16-021(c)	0316-97-0328	0	0.5	FT	SED	Ethylbenzene	0.006	MG/KG	UJ
16-2713	16-021(c)	0316-97-0328	0	0.5	FT	SED	Hexanone[2-]	0.022	MG/KG	UJ
16-2713	16-021(c)	0316-97-0328	0	0.5	FT	SED	Iodomethane	0.006	MG/KG	UJ
16-2713	16-021(c)	0316-97-0328	0	0.5	FT	SED	Isopropylbenzene	0.006	MG/KG	UJ
16-2713	16-021(c)	0316-97-0328	0	0.5	FT	SED	Isopropyltoluene[4-]	0.006	MG/KG	UJ

Table I-2.0-3 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-2713	16-021(c)	0316-97-0328	0	0.5	FT	SED	Methyl-2-pentanone[4-]	0.022	MG/KG	UJ
16-2713	16-021(c)	0316-97-0328	0	0.5	FT	SED	Methylene Chloride	0.01	MG/KG	U
16-2713	16-021(c)	0316-97-0328	0	0.5	FT	SED	Propylbenzene[1-]	0.006	MG/KG	UJ
16-2713	16-021(c)	0316-97-0328	0	0.5	FT	SED	Styrene	0.006	MG/KG	UJ
16-2713	16-021(c)	0316-97-0328	0	0.5	FT	SED	Tetrachloroethane[1,1,1,2-]	0.006	MG/KG	UJ
16-2713	16-021(c)	0316-97-0328	0	0.5	FT	SED	Tetrachloroethane[1,1,2,2-]	0.006	MG/KG	UJ
16-2713	16-021(c)	0316-97-0328	0	0.5	FT	SED	Tetrachloroethene	0.006	MG/KG	UJ
16-2713	16-021(c)	0316-97-0328	0	0.5	FT	SED	Toluene	0.002	MG/KG	J+
16-2713	16-021(c)	0316-97-0328	0	0.5	FT	SED	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.006	MG/KG	UJ
16-2713	16-021(c)	0316-97-0328	0	0.5	FT	SED	Trichloroethane[1,1,1-]	0.006	MG/KG	UJ
16-2713	16-021(c)	0316-97-0328	0	0.5	FT	SED	Trichloroethane[1,1,2-]	0.006	MG/KG	UJ
16-2713	16-021(c)	0316-97-0328	0	0.5	FT	SED	Trichloroethene	0.006	MG/KG	UJ
16-2713	16-021(c)	0316-97-0328	0	0.5	FT	SED	Trichlorofluoromethane	0.006	MG/KG	UJ
16-2713	16-021(c)	0316-97-0328	0	0.5	FT	SED	Trichloropropane[1,2,3-]	0.006	MG/KG	UJ
16-2713	16-021(c)	0316-97-0328	0	0.5	FT	SED	Trimethylbenzene[1,2,4-]	0.006	MG/KG	UJ
16-2713	16-021(c)	0316-97-0328	0	0.5	FT	SED	Trimethylbenzene[1,3,5-]	0.006	MG/KG	UJ
16-2713	16-021(c)	0316-97-0328	0	0.5	FT	SED	Vinyl Chloride	0.011	MG/KG	UJ
16-2713	16-021(c)	0316-97-0328	0	0.5	FT	SED	Xylene (Total)	0.006	MG/KG	UJ
16-2717	16-021(c)	0316-97-0329	0	0.5	FT	SED	Acetone	0.024	MG/KG	U
16-2717	16-021(c)	0316-97-0329	0	0.5	FT	SED	Benzene	0.006	MG/KG	UJ
16-2717	16-021(c)	0316-97-0329	0	0.5	FT	SED	Bromobenzene	0.006	MG/KG	UJ
16-2717	16-021(c)	0316-97-0329	0	0.5	FT	SED	Bromochloromethane	0.006	MG/KG	UJ
16-2717	16-021(c)	0316-97-0329	0	0.5	FT	SED	Bromodichloromethane	0.006	MG/KG	UJ
16-2717	16-021(c)	0316-97-0329	0	0.5	FT	SED	Bromoform	0.006	MG/KG	UJ
16-2717	16-021(c)	0316-97-0329	0	0.5	FT	SED	Bromomethane	0.012	MG/KG	UJ
16-2717	16-021(c)	0316-97-0329	0	0.5	FT	SED	Butanone[2-]	0.024	MG/KG	UJ
16-2717	16-021(c)	0316-97-0329	0	0.5	FT	SED	Butylbenzene[n-]	0.006	MG/KG	UJ
16-2717	16-021(c)	0316-97-0329	0	0.5	FT	SED	Butylbenzene[sec-]	0.006	MG/KG	UJ
16-2717	16-021(c)	0316-97-0329	0	0.5	FT	SED	Butylbenzene[tert-]	0.006	MG/KG	UJ

Table I-2.0-3 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-2717	16-021(c)	0316-97-0329	0	0.5	FT	SED	Carbon Disulfide	0.006	MG/KG	UJ
16-2717	16-021(c)	0316-97-0329	0	0.5	FT	SED	Carbon Tetrachloride	0.006	MG/KG	UJ
16-2717	16-021(c)	0316-97-0329	0	0.5	FT	SED	Chlorobenzene	0.006	MG/KG	UJ
16-2717	16-021(c)	0316-97-0329	0	0.5	FT	SED	Chlorodibromomethane	0.006	MG/KG	UJ
16-2717	16-021(c)	0316-97-0329	0	0.5	FT	SED	Chloroethane	0.012	MG/KG	UJ
16-2717	16-021(c)	0316-97-0329	0	0.5	FT	SED	Chloroform	0.006	MG/KG	UJ
16-2717	16-021(c)	0316-97-0329	0	0.5	FT	SED	Chloromethane	0.012	MG/KG	UJ
16-2717	16-021(c)	0316-97-0329	0	0.5	FT	SED	Chlorotoluene[2-]	0.006	MG/KG	UJ
16-2717	16-021(c)	0316-97-0329	0	0.5	FT	SED	Chlorotoluene[4-]	0.006	MG/KG	UJ
16-2717	16-021(c)	0316-97-0329	0	0.5	FT	SED	Dibromo-3-chloropropane[1,2-]	0.012	MG/KG	UJ
16-2717	16-021(c)	0316-97-0329	0	0.5	FT	SED	Dibromoethane[1,2-]	0.006	MG/KG	UJ
16-2717	16-021(c)	0316-97-0329	0	0.5	FT	SED	Dibromomethane	0.006	MG/KG	UJ
16-2717	16-021(c)	0316-97-0329	0	0.5	FT	SED	Dichlorobenzene[1,2-]	0.006	MG/KG	UJ
16-2717	16-021(c)	0316-97-0329	0	0.5	FT	SED	Dichlorobenzene[1,3-]	0.006	MG/KG	UJ
16-2717	16-021(c)	0316-97-0329	0	0.5	FT	SED	Dichlorobenzene[1,4-]	0.006	MG/KG	UJ
16-2717	16-021(c)	0316-97-0329	0	0.5	FT	SED	Dichlorodifluoromethane	0.012	MG/KG	UJ
16-2717	16-021(c)	0316-97-0329	0	0.5	FT	SED	Dichloroethane[1,1-]	0.006	MG/KG	UJ
16-2717	16-021(c)	0316-97-0329	0	0.5	FT	SED	Dichloroethane[1,2-]	0.006	MG/KG	UJ
16-2717	16-021(c)	0316-97-0329	0	0.5	FT	SED	Dichloroethene[1,1-]	0.006	MG/KG	UJ
16-2717	16-021(c)	0316-97-0329	0	0.5	FT	SED	Dichloroethene[cis-1,2-]	0.006	MG/KG	UJ
16-2717	16-021(c)	0316-97-0329	0	0.5	FT	SED	Dichloroethene[trans-1,2-]	0.006	MG/KG	UJ
16-2717	16-021(c)	0316-97-0329	0	0.5	FT	SED	Dichloropropane[1,2-]	0.006	MG/KG	UJ
16-2717	16-021(c)	0316-97-0329	0	0.5	FT	SED	Dichloropropane[1,3-]	0.006	MG/KG	UJ
16-2717	16-021(c)	0316-97-0329	0	0.5	FT	SED	Dichloropropane[2,2-]	0.006	MG/KG	UJ
16-2717	16-021(c)	0316-97-0329	0	0.5	FT	SED	Dichloropropene[1,1-]	0.006	MG/KG	UJ
16-2717	16-021(c)	0316-97-0329	0	0.5	FT	SED	Dichloropropene[cis-1,3-]	0.006	MG/KG	UJ
16-2717	16-021(c)	0316-97-0329	0	0.5	FT	SED	Dichloropropene[trans-1,3-]	0.006	MG/KG	UJ
16-2717	16-021(c)	0316-97-0329	0	0.5	FT	SED	Ethylbenzene	0.006	MG/KG	UJ
16-2717	16-021(c)	0316-97-0329	0	0.5	FT	SED	Hexanone[2-]	0.024	MG/KG	UJ

Table I-2.0-3 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-2717	16-021(c)	0316-97-0329	0	0.5	FT	SED	Iodomethane	0.006	MG/KG	UJ
16-2717	16-021(c)	0316-97-0329	0	0.5	FT	SED	Isopropylbenzene	0.006	MG/KG	UJ
16-2717	16-021(c)	0316-97-0329	0	0.5	FT	SED	Isopropyltoluene[4-]	0.006	MG/KG	UJ
16-2717	16-021(c)	0316-97-0329	0	0.5	FT	SED	Methyl-2-pentanone[4-]	0.024	MG/KG	UJ
16-2717	16-021(c)	0316-97-0329	0	0.5	FT	SED	Methylene Chloride	0.006	MG/KG	U
16-2717	16-021(c)	0316-97-0329	0	0.5	FT	SED	Methylene Chloride	0.006	MG/KG	U
16-2717	16-021(c)	0316-97-0329	0	0.5	FT	SED	Methylene Chloride	0.006	MG/KG	U
16-2717	16-021(c)	0316-97-0329	0	0.5	FT	SED	Propylbenzene[1-]	0.006	MG/KG	UJ
16-2717	16-021(c)	0316-97-0329	0	0.5	FT	SED	Styrene	0.006	MG/KG	UJ
16-2717	16-021(c)	0316-97-0329	0	0.5	FT	SED	Tetrachloroethane[1,1,1,2-]	0.006	MG/KG	UJ
16-2717	16-021(c)	0316-97-0329	0	0.5	FT	SED	Tetrachloroethane[1,1,2,2-]	0.006	MG/KG	UJ
16-2717	16-021(c)	0316-97-0329	0	0.5	FT	SED	Tetrachloroethene	0.006	MG/KG	UJ
16-2717	16-021(c)	0316-97-0329	0	0.5	FT	SED	Toluene	0.006	MG/KG	UJ
16-2717	16-021(c)	0316-97-0329	0	0.5	FT	SED	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.006	MG/KG	UJ
16-2717	16-021(c)	0316-97-0329	0	0.5	FT	SED	Trichloroethane[1,1,1-]	0.006	MG/KG	UJ
16-2717	16-021(c)	0316-97-0329	0	0.5	FT	SED	Trichloroethane[1,1,2-]	0.006	MG/KG	UJ
16-2717	16-021(c)	0316-97-0329	0	0.5	FT	SED	Trichloroethene	0.006	MG/KG	UJ
16-2717	16-021(c)	0316-97-0329	0	0.5	FT	SED	Trichlorofluoromethane	0.006	MG/KG	UJ
16-2717	16-021(c)	0316-97-0329	0	0.5	FT	SED	Trichloropropane[1,2,3-]	0.006	MG/KG	UJ
16-2717	16-021(c)	0316-97-0329	0	0.5	FT	SED	Trimethylbenzene[1,2,4-]	0.006	MG/KG	UJ
16-2717	16-021(c)	0316-97-0329	0	0.5	FT	SED	Trimethylbenzene[1,3,5-]	0.006	MG/KG	UJ
16-2717	16-021(c)	0316-97-0329	0	0.5	FT	SED	Vinyl Chloride	0.012	MG/KG	UJ
16-2717	16-021(c)	0316-97-0329	0	0.5	FT	SED	Xylene (Total)	0.006	MG/KG	UJ
16-2716	16-021(c)	0316-97-0330	2	2.8	FT	SED	Acetone	0.022	MG/KG	U
16-2716	16-021(c)	0316-97-0330	2	2.8	FT	SED	Benzene	0.006	MG/KG	U
16-2716	16-021(c)	0316-97-0330	2	2.8	FT	SED	Bromobenzene	0.006	MG/KG	U
16-2716	16-021(c)	0316-97-0330	2	2.8	FT	SED	Bromochloromethane	0.006	MG/KG	U
16-2716	16-021(c)	0316-97-0330	2	2.8	FT	SED	Bromodichloromethane	0.006	MG/KG	U
16-2716	16-021(c)	0316-97-0330	2	2.8	FT	SED	Bromoform	0.006	MG/KG	U

Table I-2.0-3 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-2716	16-021(c)	0316-97-0330	2	2.8	FT	SED	Bromomethane	0.011	MG/KG	U
16-2716	16-021(c)	0316-97-0330	2	2.8	FT	SED	Butanone[2-]	0.022	MG/KG	U
16-2716	16-021(c)	0316-97-0330	2	2.8	FT	SED	Butylbenzene[n-]	0.006	MG/KG	U
16-2716	16-021(c)	0316-97-0330	2	2.8	FT	SED	Butylbenzene[sec-]	0.006	MG/KG	U
16-2716	16-021(c)	0316-97-0330	2	2.8	FT	SED	Butylbenzene[tert-]	0.006	MG/KG	U
16-2716	16-021(c)	0316-97-0330	2	2.8	FT	SED	Carbon Disulfide	0.006	MG/KG	U
16-2716	16-021(c)	0316-97-0330	2	2.8	FT	SED	Carbon Tetrachloride	0.006	MG/KG	U
16-2716	16-021(c)	0316-97-0330	2	2.8	FT	SED	Chlorobenzene	0.006	MG/KG	U
16-2716	16-021(c)	0316-97-0330	2	2.8	FT	SED	Chlorodibromomethane	0.006	MG/KG	U
16-2716	16-021(c)	0316-97-0330	2	2.8	FT	SED	Chloroethane	0.011	MG/KG	U
16-2716	16-021(c)	0316-97-0330	2	2.8	FT	SED	Chloroform	0.006	MG/KG	U
16-2716	16-021(c)	0316-97-0330	2	2.8	FT	SED	Chloromethane	0.011	MG/KG	U
16-2716	16-021(c)	0316-97-0330	2	2.8	FT	SED	Chlorotoluene[2-]	0.006	MG/KG	U
16-2716	16-021(c)	0316-97-0330	2	2.8	FT	SED	Chlorotoluene[4-]	0.006	MG/KG	U
16-2716	16-021(c)	0316-97-0330	2	2.8	FT	SED	Dibromo-3-chloropropane[1,2-]	0.011	MG/KG	U
16-2716	16-021(c)	0316-97-0330	2	2.8	FT	SED	Dibromoethane[1,2-]	0.006	MG/KG	U
16-2716	16-021(c)	0316-97-0330	2	2.8	FT	SED	Dibromomethane	0.006	MG/KG	U
16-2716	16-021(c)	0316-97-0330	2	2.8	FT	SED	Dichlorobenzene[1,2-]	0.006	MG/KG	U
16-2716	16-021(c)	0316-97-0330	2	2.8	FT	SED	Dichlorobenzene[1,3-]	0.006	MG/KG	U
16-2716	16-021(c)	0316-97-0330	2	2.8	FT	SED	Dichlorobenzene[1,4-]	0.006	MG/KG	U
16-2716	16-021(c)	0316-97-0330	2	2.8	FT	SED	Dichlorodifluoromethane	0.011	MG/KG	U
16-2716	16-021(c)	0316-97-0330	2	2.8	FT	SED	Dichloroethane[1,1-]	0.006	MG/KG	U
16-2716	16-021(c)	0316-97-0330	2	2.8	FT	SED	Dichloroethane[1,2-]	0.006	MG/KG	U
16-2716	16-021(c)	0316-97-0330	2	2.8	FT	SED	Dichloroethene[1,1-]	0.006	MG/KG	U
16-2716	16-021(c)	0316-97-0330	2	2.8	FT	SED	Dichloroethene[cis-1,2-]	0.006	MG/KG	U
16-2716	16-021(c)	0316-97-0330	2	2.8	FT	SED	Dichloroethene[trans-1,2-]	0.006	MG/KG	U
16-2716	16-021(c)	0316-97-0330	2	2.8	FT	SED	Dichloropropane[1,2-]	0.006	MG/KG	U
16-2716	16-021(c)	0316-97-0330	2	2.8	FT	SED	Dichloropropane[1,3-]	0.006	MG/KG	U
16-2716	16-021(c)	0316-97-0330	2	2.8	FT	SED	Dichloropropane[2,2-]	0.006	MG/KG	U

Table I-2.0-3 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-2716	16-021(c)	0316-97-0330	2	2.8	FT	SED	Dichloropropene[1,1-]	0.006	MG/KG	U
16-2716	16-021(c)	0316-97-0330	2	2.8	FT	SED	Dichloropropene[cis-1,3-]	0.006	MG/KG	U
16-2716	16-021(c)	0316-97-0330	2	2.8	FT	SED	Dichloropropene[trans-1,3-]	0.006	MG/KG	U
16-2716	16-021(c)	0316-97-0330	2	2.8	FT	SED	Ethylbenzene	0.006	MG/KG	U
16-2716	16-021(c)	0316-97-0330	2	2.8	FT	SED	Hexanone[2-]	0.022	MG/KG	U
16-2716	16-021(c)	0316-97-0330	2	2.8	FT	SED	Iodomethane	0.006	MG/KG	U
16-2716	16-021(c)	0316-97-0330	2	2.8	FT	SED	Isopropylbenzene	0.006	MG/KG	U
16-2716	16-021(c)	0316-97-0330	2	2.8	FT	SED	Isopropyltoluene[4-]	0.006	MG/KG	U
16-2716	16-021(c)	0316-97-0330	2	2.8	FT	SED	Methyl-2-pentanone[4-]	0.022	MG/KG	U
16-2716	16-021(c)	0316-97-0330	2	2.8	FT	SED	Methylene Chloride	0.007	MG/KG	U
16-2716	16-021(c)	0316-97-0330	2	2.8	FT	SED	Propylbenzene[1-]	0.006	MG/KG	U
16-2716	16-021(c)	0316-97-0330	2	2.8	FT	SED	Styrene	0.006	MG/KG	U
16-2716	16-021(c)	0316-97-0330	2	2.8	FT	SED	Tetrachloroethane[1,1,1,2-]	0.006	MG/KG	U
16-2716	16-021(c)	0316-97-0330	2	2.8	FT	SED	Tetrachloroethane[1,1,2,2-]	0.006	MG/KG	U
16-2716	16-021(c)	0316-97-0330	2	2.8	FT	SED	Tetrachloroethene	0.006	MG/KG	U
16-2716	16-021(c)	0316-97-0330	2	2.8	FT	SED	Toluene	0.006	MG/KG	U
16-2716	16-021(c)	0316-97-0330	2	2.8	FT	SED	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.006	MG/KG	U
16-2716	16-021(c)	0316-97-0330	2	2.8	FT	SED	Trichloroethane[1,1,1-]	0.006	MG/KG	U
16-2716	16-021(c)	0316-97-0330	2	2.8	FT	SED	Trichloroethane[1,1,2-]	0.006	MG/KG	U
16-2716	16-021(c)	0316-97-0330	2	2.8	FT	SED	Trichloroethene	0.006	MG/KG	U
16-2716	16-021(c)	0316-97-0330	2	2.8	FT	SED	Trichlorofluoromethane	0.006	MG/KG	U
16-2716	16-021(c)	0316-97-0330	2	2.8	FT	SED	Trichloropropane[1,2,3-]	0.006	MG/KG	U
16-2716	16-021(c)	0316-97-0330	2	2.8	FT	SED	Trimethylbenzene[1,2,4-]	0.006	MG/KG	U
16-2716	16-021(c)	0316-97-0330	2	2.8	FT	SED	Trimethylbenzene[1,3,5-]	0.006	MG/KG	U
16-2716	16-021(c)	0316-97-0330	2	2.8	FT	SED	Vinyl Chloride	0.011	MG/KG	U
16-2716	16-021(c)	0316-97-0330	2	2.8	FT	SED	Xylene (Total)	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-0331	2	2.8	FT	SED	Acetone	0.022	MG/KG	U
16-2718	16-021(c)	0316-97-0331	2	2.8	FT	SED	Benzene	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-0331	2	2.8	FT	SED	Bromobenzene	0.006	MG/KG	U

Table I-2.0-3 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-2718	16-021(c)	0316-97-0331	2	2.8	FT	SED	Bromochloromethane	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-0331	2	2.8	FT	SED	Bromodichloromethane	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-0331	2	2.8	FT	SED	Bromoform	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-0331	2	2.8	FT	SED	Bromomethane	0.011	MG/KG	U
16-2718	16-021(c)	0316-97-0331	2	2.8	FT	SED	Butanone[2-]	0.022	MG/KG	U
16-2718	16-021(c)	0316-97-0331	2	2.8	FT	SED	Butylbenzene[n-]	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-0331	2	2.8	FT	SED	Butylbenzene[sec-]	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-0331	2	2.8	FT	SED	Butylbenzene[tert-]	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-0331	2	2.8	FT	SED	Carbon Disulfide	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-0331	2	2.8	FT	SED	Carbon Tetrachloride	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-0331	2	2.8	FT	SED	Chlorobenzene	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-0331	2	2.8	FT	SED	Chlorodibromomethane	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-0331	2	2.8	FT	SED	Chloroethane	0.011	MG/KG	U
16-2718	16-021(c)	0316-97-0331	2	2.8	FT	SED	Chloroform	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-0331	2	2.8	FT	SED	Chloromethane	0.011	MG/KG	U
16-2718	16-021(c)	0316-97-0331	2	2.8	FT	SED	Chlorotoluene[2-]	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-0331	2	2.8	FT	SED	Chlorotoluene[4-]	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-0331	2	2.8	FT	SED	Dibromo-3-chloropropane[1,2-]	0.011	MG/KG	U
16-2718	16-021(c)	0316-97-0331	2	2.8	FT	SED	Dibromoethane[1,2-]	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-0331	2	2.8	FT	SED	Dibromomethane	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-0331	2	2.8	FT	SED	Dichlorobenzene[1,2-]	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-0331	2	2.8	FT	SED	Dichlorobenzene[1,3-]	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-0331	2	2.8	FT	SED	Dichlorobenzene[1,4-]	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-0331	2	2.8	FT	SED	Dichlorodifluoromethane	0.011	MG/KG	U
16-2718	16-021(c)	0316-97-0331	2	2.8	FT	SED	Dichloroethane[1,1-]	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-0331	2	2.8	FT	SED	Dichloroethane[1,2-]	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-0331	2	2.8	FT	SED	Dichloroethene[1,1-]	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-0331	2	2.8	FT	SED	Dichloroethene[cis-1,2-]	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-0331	2	2.8	FT	SED	Dichloroethene[trans-1,2-]	0.006	MG/KG	U

Table I-2.0-3 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-2718	16-021(c)	0316-97-0331	2	2.8	FT	SED	Dichloropropane[1,2-]	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-0331	2	2.8	FT	SED	Dichloropropane[1,3-]	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-0331	2	2.8	FT	SED	Dichloropropane[2,2-]	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-0331	2	2.8	FT	SED	Dichloropropene[1,1-]	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-0331	2	2.8	FT	SED	Dichloropropene[cis-1,3-]	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-0331	2	2.8	FT	SED	Dichloropropene[trans-1,3-]	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-0331	2	2.8	FT	SED	Ethylbenzene	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-0331	2	2.8	FT	SED	Hexanone[2-]	0.022	MG/KG	U
16-2718	16-021(c)	0316-97-0331	2	2.8	FT	SED	Iodomethane	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-0331	2	2.8	FT	SED	Isopropylbenzene	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-0331	2	2.8	FT	SED	Isopropyltoluene[4-]	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-0331	2	2.8	FT	SED	Methyl-2-pentanone[4-]	0.022	MG/KG	U
16-2718	16-021(c)	0316-97-0331	2	2.8	FT	SED	Methylene Chloride	0.009	MG/KG	U
16-2718	16-021(c)	0316-97-0331	2	2.8	FT	SED	Propylbenzene[1-]	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-0331	2	2.8	FT	SED	Styrene	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-0331	2	2.8	FT	SED	Tetrachloroethane[1,1,1,2-]	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-0331	2	2.8	FT	SED	Tetrachloroethane[1,1,2,2-]	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-0331	2	2.8	FT	SED	Tetrachloroethene	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-0331	2	2.8	FT	SED	Toluene	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-0331	2	2.8	FT	SED	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-0331	2	2.8	FT	SED	Trichloroethane[1,1,1-]	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-0331	2	2.8	FT	SED	Trichloroethane[1,1,2-]	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-0331	2	2.8	FT	SED	Trichloroethene	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-0331	2	2.8	FT	SED	Trichlorofluoromethane	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-0331	2	2.8	FT	SED	Trichloropropane[1,2,3-]	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-0331	2	2.8	FT	SED	Trimethylbenzene[1,2,4-]	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-0331	2	2.8	FT	SED	Trimethylbenzene[1,3,5-]	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-0331	2	2.8	FT	SED	Vinyl Chloride	0.011	MG/KG	U
16-2718	16-021(c)	0316-97-0331	2	2.8	FT	SED	Xylene (Total)	0.006	MG/KG	U

Table I-2.0-3 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-2724	16-021(c)	0316-97-0332	0	0.5	FT	SED	Acetone	0.022	MG/KG	U
16-2724	16-021(c)	0316-97-0332	0	0.5	FT	SED	Benzene	0.0056	MG/KG	U
16-2724	16-021(c)	0316-97-0332	0	0.5	FT	SED	Bromobenzene	0.0056	MG/KG	U
16-2724	16-021(c)	0316-97-0332	0	0.5	FT	SED	Bromochloromethane	0.0056	MG/KG	U
16-2724	16-021(c)	0316-97-0332	0	0.5	FT	SED	Bromodichloromethane	0.0056	MG/KG	U
16-2724	16-021(c)	0316-97-0332	0	0.5	FT	SED	Bromoform	0.0056	MG/KG	U
16-2724	16-021(c)	0316-97-0332	0	0.5	FT	SED	Bromomethane	0.011	MG/KG	U
16-2724	16-021(c)	0316-97-0332	0	0.5	FT	SED	Butanone[2-]	0.022	MG/KG	U
16-2724	16-021(c)	0316-97-0332	0	0.5	FT	SED	Butylbenzene[n-]	0.0056	MG/KG	U
16-2724	16-021(c)	0316-97-0332	0	0.5	FT	SED	Butylbenzene[sec-]	0.0056	MG/KG	U
16-2724	16-021(c)	0316-97-0332	0	0.5	FT	SED	Butylbenzene[tert-]	0.0056	MG/KG	U
16-2724	16-021(c)	0316-97-0332	0	0.5	FT	SED	Carbon Disulfide	0.0056	MG/KG	U
16-2724	16-021(c)	0316-97-0332	0	0.5	FT	SED	Carbon Tetrachloride	0.0056	MG/KG	U
16-2724	16-021(c)	0316-97-0332	0	0.5	FT	SED	Chlorobenzene	0.0056	MG/KG	U
16-2724	16-021(c)	0316-97-0332	0	0.5	FT	SED	Chlorodibromomethane	0.0056	MG/KG	U
16-2724	16-021(c)	0316-97-0332	0	0.5	FT	SED	Chloroethane	0.011	MG/KG	U
16-2724	16-021(c)	0316-97-0332	0	0.5	FT	SED	Chloroform	0.0056	MG/KG	U
16-2724	16-021(c)	0316-97-0332	0	0.5	FT	SED	Chloromethane	0.011	MG/KG	U
16-2724	16-021(c)	0316-97-0332	0	0.5	FT	SED	Chlorotoluene[2-]	0.0056	MG/KG	U
16-2724	16-021(c)	0316-97-0332	0	0.5	FT	SED	Chlorotoluene[4-]	0.0056	MG/KG	U
16-2724	16-021(c)	0316-97-0332	0	0.5	FT	SED	Dibromo-3-chloropropane[1,2-]	0.011	MG/KG	U
16-2724	16-021(c)	0316-97-0332	0	0.5	FT	SED	Dibromoethane[1,2-]	0.0056	MG/KG	U
16-2724	16-021(c)	0316-97-0332	0	0.5	FT	SED	Dibromomethane	0.0056	MG/KG	U
16-2724	16-021(c)	0316-97-0332	0	0.5	FT	SED	Dichlorobenzene[1,2-]	0.0056	MG/KG	U
16-2724	16-021(c)	0316-97-0332	0	0.5	FT	SED	Dichlorobenzene[1,3-]	0.0056	MG/KG	U
16-2724	16-021(c)	0316-97-0332	0	0.5	FT	SED	Dichlorobenzene[1,4-]	0.0056	MG/KG	U
16-2724	16-021(c)	0316-97-0332	0	0.5	FT	SED	Dichlorodifluoromethane	0.011	MG/KG	U
16-2724	16-021(c)	0316-97-0332	0	0.5	FT	SED	Dichloroethane[1,1-]	0.0056	MG/KG	U
16-2724	16-021(c)	0316-97-0332	0	0.5	FT	SED	Dichloroethane[1,2-]	0.0056	MG/KG	U

Table I-2.0-3 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-2724	16-021(c)	0316-97-0332	0	0.5	FT	SED	Dichloroethene[1,1-]	0.0056	MG/KG	U
16-2724	16-021(c)	0316-97-0332	0	0.5	FT	SED	Dichloroethene[cis-1,2-]	0.011	MG/KG	U
16-2724	16-021(c)	0316-97-0332	0	0.5	FT	SED	Dichloroethene[trans-1,2-]	0.011	MG/KG	U
16-2724	16-021(c)	0316-97-0332	0	0.5	FT	SED	Dichloropropane[1,2-]	0.0056	MG/KG	U
16-2724	16-021(c)	0316-97-0332	0	0.5	FT	SED	Dichloropropane[1,3-]	0.0056	MG/KG	U
16-2724	16-021(c)	0316-97-0332	0	0.5	FT	SED	Dichloropropane[2,2-]	0.0056	MG/KG	U
16-2724	16-021(c)	0316-97-0332	0	0.5	FT	SED	Dichloropropene[1,1-]	0.0056	MG/KG	U
16-2724	16-021(c)	0316-97-0332	0	0.5	FT	SED	Dichloropropene[cis-1,3-]	0.0056	MG/KG	U
16-2724	16-021(c)	0316-97-0332	0	0.5	FT	SED	Dichloropropene[trans-1,3-]	0.0056	MG/KG	U
16-2724	16-021(c)	0316-97-0332	0	0.5	FT	SED	Ethylbenzene	0.0056	MG/KG	U
16-2724	16-021(c)	0316-97-0332	0	0.5	FT	SED	Hexanone[2-]	0.022	MG/KG	U
16-2724	16-021(c)	0316-97-0332	0	0.5	FT	SED	Iodomethane	0.0056	MG/KG	U
16-2724	16-021(c)	0316-97-0332	0	0.5	FT	SED	Isopropylbenzene	0.0056	MG/KG	U
16-2724	16-021(c)	0316-97-0332	0	0.5	FT	SED	Isopropyltoluene[4-]	0.0056	MG/KG	U
16-2724	16-021(c)	0316-97-0332	0	0.5	FT	SED	Methyl-2-pentanone[4-]	0.022	MG/KG	U
16-2724	16-021(c)	0316-97-0332	0	0.5	FT	SED	Methylene Chloride	0.0056	MG/KG	U
16-2724	16-021(c)	0316-97-0332	0	0.5	FT	SED	Propylbenzene[1-]	0.0056	MG/KG	U
16-2724	16-021(c)	0316-97-0332	0	0.5	FT	SED	Styrene	0.0056	MG/KG	U
16-2724	16-021(c)	0316-97-0332	0	0.5	FT	SED	Tetrachloroethane[1,1,1,2-]	0.0056	MG/KG	U
16-2724	16-021(c)	0316-97-0332	0	0.5	FT	SED	Tetrachloroethane[1,1,2,2-]	0.0056	MG/KG	U
16-2724	16-021(c)	0316-97-0332	0	0.5	FT	SED	Tetrachloroethene	0.0056	MG/KG	U
16-2724	16-021(c)	0316-97-0332	0	0.5	FT	SED	Toluene	0.0056	MG/KG	U
16-2724	16-021(c)	0316-97-0332	0	0.5	FT	SED	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.0056	MG/KG	U
16-2724	16-021(c)	0316-97-0332	0	0.5	FT	SED	Trichloroethane[1,1,1-]	0.0056	MG/KG	U
16-2724	16-021(c)	0316-97-0332	0	0.5	FT	SED	Trichloroethane[1,1,2-]	0.0056	MG/KG	U
16-2724	16-021(c)	0316-97-0332	0	0.5	FT	SED	Trichloroethene	0.0056	MG/KG	U
16-2724	16-021(c)	0316-97-0332	0	0.5	FT	SED	Trichlorofluoromethane	0.0056	MG/KG	U
16-2724	16-021(c)	0316-97-0332	0	0.5	FT	SED	Trichloropropane[1,2,3-]	0.0056	MG/KG	U
16-2724	16-021(c)	0316-97-0332	0	0.5	FT	SED	Trimethylbenzene[1,2,4-]	0.0056	MG/KG	U

Table I-2.0-3 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-2724	16-021(c)	0316-97-0332	0	0.5	FT	SED	Trimethylbenzene[1,3,5-]	0.0056	MG/KG	U
16-2724	16-021(c)	0316-97-0332	0	0.5	FT	SED	Vinyl Chloride	0.011	MG/KG	U
16-2724	16-021(c)	0316-97-0332	0	0.5	FT	SED	Xylene (Total)	0.0056	MG/KG	U
16-2726	16-021(c)	0316-97-0333	0	0.5	FT	SED	Acetone	0.026	MG/KG	UJ
16-2726	16-021(c)	0316-97-0333	0	0.5	FT	SED	Benzene	0.0065	MG/KG	UJ
16-2726	16-021(c)	0316-97-0333	0	0.5	FT	SED	Bromobenzene	0.0065	MG/KG	UJ
16-2726	16-021(c)	0316-97-0333	0	0.5	FT	SED	Bromochloromethane	0.0065	MG/KG	UJ
16-2726	16-021(c)	0316-97-0333	0	0.5	FT	SED	Bromodichloromethane	0.0065	MG/KG	UJ
16-2726	16-021(c)	0316-97-0333	0	0.5	FT	SED	Bromoform	0.0065	MG/KG	UJ
16-2726	16-021(c)	0316-97-0333	0	0.5	FT	SED	Bromomethane	0.013	MG/KG	UJ
16-2726	16-021(c)	0316-97-0333	0	0.5	FT	SED	Butanone[2-]	0.026	MG/KG	UJ
16-2726	16-021(c)	0316-97-0333	0	0.5	FT	SED	Butylbenzene[n-]	0.0065	MG/KG	UJ
16-2726	16-021(c)	0316-97-0333	0	0.5	FT	SED	Butylbenzene[sec-]	0.0065	MG/KG	UJ
16-2726	16-021(c)	0316-97-0333	0	0.5	FT	SED	Butylbenzene[tert-]	0.0065	MG/KG	UJ
16-2726	16-021(c)	0316-97-0333	0	0.5	FT	SED	Carbon Disulfide	0.0065	MG/KG	UJ
16-2726	16-021(c)	0316-97-0333	0	0.5	FT	SED	Carbon Tetrachloride	0.0065	MG/KG	UJ
16-2726	16-021(c)	0316-97-0333	0	0.5	FT	SED	Chlorobenzene	0.0065	MG/KG	UJ
16-2726	16-021(c)	0316-97-0333	0	0.5	FT	SED	Chlorodibromomethane	0.0065	MG/KG	UJ
16-2726	16-021(c)	0316-97-0333	0	0.5	FT	SED	Chloroethane	0.013	MG/KG	UJ
16-2726	16-021(c)	0316-97-0333	0	0.5	FT	SED	Chloroform	0.0065	MG/KG	UJ
16-2726	16-021(c)	0316-97-0333	0	0.5	FT	SED	Chloromethane	0.013	MG/KG	UJ
16-2726	16-021(c)	0316-97-0333	0	0.5	FT	SED	Chlorotoluene[2-]	0.0065	MG/KG	UJ
16-2726	16-021(c)	0316-97-0333	0	0.5	FT	SED	Chlorotoluene[4-]	0.0065	MG/KG	UJ
16-2726	16-021(c)	0316-97-0333	0	0.5	FT	SED	Dibromo-3-chloropropane[1,2-]	0.013	MG/KG	UJ
16-2726	16-021(c)	0316-97-0333	0	0.5	FT	SED	Dibromoethane[1,2-]	0.0065	MG/KG	UJ
16-2726	16-021(c)	0316-97-0333	0	0.5	FT	SED	Dibromomethane	0.0065	MG/KG	UJ
16-2726	16-021(c)	0316-97-0333	0	0.5	FT	SED	Dichlorobenzene[1,2-]	0.0065	MG/KG	UJ
16-2726	16-021(c)	0316-97-0333	0	0.5	FT	SED	Dichlorobenzene[1,3-]	0.0065	MG/KG	UJ
16-2726	16-021(c)	0316-97-0333	0	0.5	FT	SED	Dichlorobenzene[1,4-]	0.0065	MG/KG	UJ

Table I-2.0-3 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-2726	16-021(c)	0316-97-0333	0	0.5	FT	SED	Dichlorodifluoromethane	0.013	MG/KG	UJ
16-2726	16-021(c)	0316-97-0333	0	0.5	FT	SED	Dichloroethane[1,1-]	0.0065	MG/KG	UJ
16-2726	16-021(c)	0316-97-0333	0	0.5	FT	SED	Dichloroethane[1,2-]	0.0065	MG/KG	UJ
16-2726	16-021(c)	0316-97-0333	0	0.5	FT	SED	Dichloroethene[1,1-]	0.0065	MG/KG	UJ
16-2726	16-021(c)	0316-97-0333	0	0.5	FT	SED	Dichloroethene[cis-1,2-]	0.013	MG/KG	UJ
16-2726	16-021(c)	0316-97-0333	0	0.5	FT	SED	Dichloroethene[trans-1,2-]	0.013	MG/KG	UJ
16-2726	16-021(c)	0316-97-0333	0	0.5	FT	SED	Dichloropropane[1,2-]	0.0065	MG/KG	UJ
16-2726	16-021(c)	0316-97-0333	0	0.5	FT	SED	Dichloropropane[1,3-]	0.0065	MG/KG	UJ
16-2726	16-021(c)	0316-97-0333	0	0.5	FT	SED	Dichloropropane[2,2-]	0.0065	MG/KG	UJ
16-2726	16-021(c)	0316-97-0333	0	0.5	FT	SED	Dichloropropene[1,1-]	0.0065	MG/KG	UJ
16-2726	16-021(c)	0316-97-0333	0	0.5	FT	SED	Dichloropropene[cis-1,3-]	0.0065	MG/KG	UJ
16-2726	16-021(c)	0316-97-0333	0	0.5	FT	SED	Dichloropropene[trans-1,3-]	0.0065	MG/KG	UJ
16-2726	16-021(c)	0316-97-0333	0	0.5	FT	SED	Ethylbenzene	0.0065	MG/KG	UJ
16-2726	16-021(c)	0316-97-0333	0	0.5	FT	SED	Hexanone[2-]	0.026	MG/KG	UJ
16-2726	16-021(c)	0316-97-0333	0	0.5	FT	SED	Iodomethane	0.0065	MG/KG	UJ
16-2726	16-021(c)	0316-97-0333	0	0.5	FT	SED	Isopropylbenzene	0.0065	MG/KG	UJ
16-2726	16-021(c)	0316-97-0333	0	0.5	FT	SED	Isopropyltoluene[4-]	0.0065	MG/KG	UJ
16-2726	16-021(c)	0316-97-0333	0	0.5	FT	SED	Methyl-2-pentanone[4-]	0.026	MG/KG	UJ
16-2726	16-021(c)	0316-97-0333	0	0.5	FT	SED	Methylene Chloride	0.0065	MG/KG	UJ
16-2726	16-021(c)	0316-97-0333	0	0.5	FT	SED	Propylbenzene[1-]	0.0065	MG/KG	UJ
16-2726	16-021(c)	0316-97-0333	0	0.5	FT	SED	Styrene	0.0065	MG/KG	UJ
16-2726	16-021(c)	0316-97-0333	0	0.5	FT	SED	Tetrachloroethane[1,1,1,2-]	0.0065	MG/KG	UJ
16-2726	16-021(c)	0316-97-0333	0	0.5	FT	SED	Tetrachloroethane[1,1,2,2-]	0.0065	MG/KG	UJ
16-2726	16-021(c)	0316-97-0333	0	0.5	FT	SED	Tetrachloroethene	0.0065	MG/KG	UJ
16-2726	16-021(c)	0316-97-0333	0	0.5	FT	SED	Toluene	0.0065	MG/KG	UJ
16-2726	16-021(c)	0316-97-0333	0	0.5	FT	SED	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.0065	MG/KG	UJ
16-2726	16-021(c)	0316-97-0333	0	0.5	FT	SED	Trichloroethane[1,1,1-]	0.0065	MG/KG	UJ
16-2726	16-021(c)	0316-97-0333	0	0.5	FT	SED	Trichloroethane[1,1,2-]	0.0065	MG/KG	UJ
16-2726	16-021(c)	0316-97-0333	0	0.5	FT	SED	Trichloroethene	0.0065	MG/KG	UJ

Table I-2.0-3 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-2726	16-021(c)	0316-97-0333	0	0.5	FT	SED	Trichlorofluoromethane	0.0065	MG/KG	UJ
16-2726	16-021(c)	0316-97-0333	0	0.5	FT	SED	Trichloropropane[1,2,3-]	0.0065	MG/KG	UJ
16-2726	16-021(c)	0316-97-0333	0	0.5	FT	SED	Trimethylbenzene[1,2,4-]	0.0065	MG/KG	UJ
16-2726	16-021(c)	0316-97-0333	0	0.5	FT	SED	Trimethylbenzene[1,3,5-]	0.0065	MG/KG	UJ
16-2726	16-021(c)	0316-97-0333	0	0.5	FT	SED	Vinyl Chloride	0.013	MG/KG	UJ
16-2726	16-021(c)	0316-97-0333	0	0.5	FT	SED	Xylene (Total)	0.0065	MG/KG	UJ
16-2710	16-021(c)	0316-97-0388	0.5	1	FT	SED	Acetone	0.023	MG/KG	UJ
16-2710	16-021(c)	0316-97-0388	0.5	1	FT	SED	Benzene	0.0058	MG/KG	UJ
16-2710	16-021(c)	0316-97-0388	0.5	1	FT	SED	Bromobenzene	0.0058	MG/KG	UJ
16-2710	16-021(c)	0316-97-0388	0.5	1	FT	SED	Bromochloromethane	0.0058	MG/KG	UJ
16-2710	16-021(c)	0316-97-0388	0.5	1	FT	SED	Bromodichloromethane	0.0058	MG/KG	UJ
16-2710	16-021(c)	0316-97-0388	0.5	1	FT	SED	Bromoform	0.0058	MG/KG	UJ
16-2710	16-021(c)	0316-97-0388	0.5	1	FT	SED	Bromomethane	0.012	MG/KG	UJ
16-2710	16-021(c)	0316-97-0388	0.5	1	FT	SED	Butanone[2-]	0.023	MG/KG	UJ
16-2710	16-021(c)	0316-97-0388	0.5	1	FT	SED	Butylbenzene[n-]	0.0058	MG/KG	UJ
16-2710	16-021(c)	0316-97-0388	0.5	1	FT	SED	Butylbenzene[sec-]	0.0058	MG/KG	UJ
16-2710	16-021(c)	0316-97-0388	0.5	1	FT	SED	Butylbenzene[tert-]	0.0058	MG/KG	UJ
16-2710	16-021(c)	0316-97-0388	0.5	1	FT	SED	Carbon Disulfide	0.0058	MG/KG	UJ
16-2710	16-021(c)	0316-97-0388	0.5	1	FT	SED	Carbon Tetrachloride	0.0058	MG/KG	UJ
16-2710	16-021(c)	0316-97-0388	0.5	1	FT	SED	Chlorobenzene	0.0058	MG/KG	UJ
16-2710	16-021(c)	0316-97-0388	0.5	1	FT	SED	Chlorodibromomethane	0.0058	MG/KG	UJ
16-2710	16-021(c)	0316-97-0388	0.5	1	FT	SED	Chloroethane	0.012	MG/KG	UJ
16-2710	16-021(c)	0316-97-0388	0.5	1	FT	SED	Chloroform	0.0058	MG/KG	UJ
16-2710	16-021(c)	0316-97-0388	0.5	1	FT	SED	Chloromethane	0.012	MG/KG	UJ
16-2710	16-021(c)	0316-97-0388	0.5	1	FT	SED	Chlorotoluene[2-]	0.0058	MG/KG	UJ
16-2710	16-021(c)	0316-97-0388	0.5	1	FT	SED	Chlorotoluene[4-]	0.0058	MG/KG	UJ
16-2710	16-021(c)	0316-97-0388	0.5	1	FT	SED	Dibromo-3-chloropropane[1,2-]	0.012	MG/KG	UJ
16-2710	16-021(c)	0316-97-0388	0.5	1	FT	SED	Dibromoethane[1,2-]	0.0058	MG/KG	UJ
16-2710	16-021(c)	0316-97-0388	0.5	1	FT	SED	Dibromomethane	0.0058	MG/KG	UJ

Table I-2.0-3 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-2710	16-021(c)	0316-97-0388	0.5	1	FT	SED	Dichlorobenzene[1,2-]	0.0058	MG/KG	UJ
16-2710	16-021(c)	0316-97-0388	0.5	1	FT	SED	Dichlorobenzene[1,3-]	0.0058	MG/KG	UJ
16-2710	16-021(c)	0316-97-0388	0.5	1	FT	SED	Dichlorobenzene[1,4-]	0.0058	MG/KG	UJ
16-2710	16-021(c)	0316-97-0388	0.5	1	FT	SED	Dichlorodifluoromethane	0.012	MG/KG	UJ
16-2710	16-021(c)	0316-97-0388	0.5	1	FT	SED	Dichloroethane[1,1-]	0.0058	MG/KG	UJ
16-2710	16-021(c)	0316-97-0388	0.5	1	FT	SED	Dichloroethane[1,2-]	0.0058	MG/KG	UJ
16-2710	16-021(c)	0316-97-0388	0.5	1	FT	SED	Dichloroethene[1,1-]	0.0058	MG/KG	UJ
16-2710	16-021(c)	0316-97-0388	0.5	1	FT	SED	Dichloroethene[cis-1,2-]	0.0058	MG/KG	UJ
16-2710	16-021(c)	0316-97-0388	0.5	1	FT	SED	Dichloroethene[trans-1,2-]	0.0058	MG/KG	UJ
16-2710	16-021(c)	0316-97-0388	0.5	1	FT	SED	Dichloropropane[1,2-]	0.0058	MG/KG	UJ
16-2710	16-021(c)	0316-97-0388	0.5	1	FT	SED	Dichloropropane[1,3-]	0.0058	MG/KG	UJ
16-2710	16-021(c)	0316-97-0388	0.5	1	FT	SED	Dichloropropane[2,2-]	0.0058	MG/KG	UJ
16-2710	16-021(c)	0316-97-0388	0.5	1	FT	SED	Dichloropropene[1,1-]	0.0058	MG/KG	UJ
16-2710	16-021(c)	0316-97-0388	0.5	1	FT	SED	Dichloropropene[cis-1,3-]	0.0058	MG/KG	UJ
16-2710	16-021(c)	0316-97-0388	0.5	1	FT	SED	Dichloropropene[trans-1,3-]	0.0058	MG/KG	UJ
16-2710	16-021(c)	0316-97-0388	0.5	1	FT	SED	Ethylbenzene	0.0058	MG/KG	UJ
16-2710	16-021(c)	0316-97-0388	0.5	1	FT	SED	Hexachlorobutadiene	0.0058	MG/KG	UJ
16-2710	16-021(c)	0316-97-0388	0.5	1	FT	SED	Hexanone[2-]	0.023	MG/KG	UJ
16-2710	16-021(c)	0316-97-0388	0.5	1	FT	SED	Iodomethane	0.0058	MG/KG	UJ
16-2710	16-021(c)	0316-97-0388	0.5	1	FT	SED	Isopropylbenzene	0.0058	MG/KG	UJ
16-2710	16-021(c)	0316-97-0388	0.5	1	FT	SED	Isopropyltoluene[4-]	0.0058	MG/KG	UJ
16-2710	16-021(c)	0316-97-0388	0.5	1	FT	SED	Methyl-2-pentanone[4-]	0.023	MG/KG	UJ
16-2710	16-021(c)	0316-97-0388	0.5	1	FT	SED	Methylene Chloride	0.0047	MG/KG	U
16-2710	16-021(c)	0316-97-0388	0.5	1	FT	SED	Naphthalene	0.0027	MG/KG	J
16-2710	16-021(c)	0316-97-0388	0.5	1	FT	SED	Propylbenzene[1-]	0.0058	MG/KG	UJ
16-2710	16-021(c)	0316-97-0388	0.5	1	FT	SED	Styrene	0.0058	MG/KG	UJ
16-2710	16-021(c)	0316-97-0388	0.5	1	FT	SED	Tetrachloroethane[1,1,1,2-]	0.0058	MG/KG	UJ
16-2710	16-021(c)	0316-97-0388	0.5	1	FT	SED	Tetrachloroethane[1,1,2,2-]	0.0058	MG/KG	UJ
16-2710	16-021(c)	0316-97-0388	0.5	1	FT	SED	Tetrachloroethene	0.0058	MG/KG	UJ
16-2710	16-021(c)	0316-97-0388	0.5	1	FT	SED	Toluene	0.0058	MG/KG	UJ

Table I-2.0-3 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-2710	16-021(c)	0316-97-0388	0.5	1	FT	SED	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.0058	MG/KG	UJ
16-2710	16-021(c)	0316-97-0388	0.5	1	FT	SED	Trichlorobenzene[1,2,3-]	0.0058	MG/KG	UJ
16-2710	16-021(c)	0316-97-0388	0.5	1	FT	SED	Trichlorobenzene[1,2,4-]	0.0058	MG/KG	UJ
16-2710	16-021(c)	0316-97-0388	0.5	1	FT	SED	Trichloroethane[1,1,1-]	0.0058	MG/KG	UJ
16-2710	16-021(c)	0316-97-0388	0.5	1	FT	SED	Trichloroethane[1,1,2-]	0.0058	MG/KG	UJ
16-2710	16-021(c)	0316-97-0388	0.5	1	FT	SED	Trichloroethene	0.0058	MG/KG	UJ
16-2710	16-021(c)	0316-97-0388	0.5	1	FT	SED	Trichlorofluoromethane	0.0058	MG/KG	UJ
16-2710	16-021(c)	0316-97-0388	0.5	1	FT	SED	Trichloropropane[1,2,3-]	0.0058	MG/KG	UJ
16-2710	16-021(c)	0316-97-0388	0.5	1	FT	SED	Trimethylbenzene[1,2,4-]	0.0058	MG/KG	UJ
16-2710	16-021(c)	0316-97-0388	0.5	1	FT	SED	Trimethylbenzene[1,3,5-]	0.0058	MG/KG	UJ
16-2710	16-021(c)	0316-97-0388	0.5	1	FT	SED	Vinyl Chloride	0.012	MG/KG	UJ
16-2710	16-021(c)	0316-97-0388	0.5	1	FT	SED	Xylene (Total)	0.0116	MG/KG	UJ
16-2709	16-021(c)	0316-97-0389	0.5	1	FT	SED	Acetone	0.017	MG/KG	J
16-2709	16-021(c)	0316-97-0389	0.5	1	FT	SED	Benzene	0.006	MG/KG	UJ
16-2709	16-021(c)	0316-97-0389	0.5	1	FT	SED	Bromobenzene	0.006	MG/KG	UJ
16-2709	16-021(c)	0316-97-0389	0.5	1	FT	SED	Bromochloromethane	0.006	MG/KG	UJ
16-2709	16-021(c)	0316-97-0389	0.5	1	FT	SED	Bromodichloromethane	0.006	MG/KG	UJ
16-2709	16-021(c)	0316-97-0389	0.5	1	FT	SED	Bromoform	0.006	MG/KG	UJ
16-2709	16-021(c)	0316-97-0389	0.5	1	FT	SED	Bromomethane	0.012	MG/KG	UJ
16-2709	16-021(c)	0316-97-0389	0.5	1	FT	SED	Butanone[2-]	0.024	MG/KG	UJ
16-2709	16-021(c)	0316-97-0389	0.5	1	FT	SED	Butylbenzene[n-]	0.006	MG/KG	UJ
16-2709	16-021(c)	0316-97-0389	0.5	1	FT	SED	Butylbenzene[sec-]	0.006	MG/KG	UJ
16-2709	16-021(c)	0316-97-0389	0.5	1	FT	SED	Butylbenzene[tert-]	0.006	MG/KG	UJ
16-2709	16-021(c)	0316-97-0389	0.5	1	FT	SED	Carbon Disulfide	0.006	MG/KG	UJ
16-2709	16-021(c)	0316-97-0389	0.5	1	FT	SED	Carbon Tetrachloride	0.006	MG/KG	UJ
16-2709	16-021(c)	0316-97-0389	0.5	1	FT	SED	Chlorobenzene	0.006	MG/KG	UJ
16-2709	16-021(c)	0316-97-0389	0.5	1	FT	SED	Chlorodibromomethane	0.006	MG/KG	UJ
16-2709	16-021(c)	0316-97-0389	0.5	1	FT	SED	Chloroethane	0.012	MG/KG	UJ
16-2709	16-021(c)	0316-97-0389	0.5	1	FT	SED	Chloroform	0.006	MG/KG	UJ

Table I-2.0-3 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-2709	16-021(c)	0316-97-0389	0.5	1	FT	SED	Chloromethane	0.012	MG/KG	UJ
16-2709	16-021(c)	0316-97-0389	0.5	1	FT	SED	Chlorotoluene[2-]	0.006	MG/KG	UJ
16-2709	16-021(c)	0316-97-0389	0.5	1	FT	SED	Chlorotoluene[4-]	0.006	MG/KG	UJ
16-2709	16-021(c)	0316-97-0389	0.5	1	FT	SED	Dibromo-3-chloropropane[1,2-]	0.012	MG/KG	UJ
16-2709	16-021(c)	0316-97-0389	0.5	1	FT	SED	Dibromoethane[1,2-]	0.006	MG/KG	UJ
16-2709	16-021(c)	0316-97-0389	0.5	1	FT	SED	Dibromomethane	0.006	MG/KG	UJ
16-2709	16-021(c)	0316-97-0389	0.5	1	FT	SED	Dichlorobenzene[1,2-]	0.006	MG/KG	UJ
16-2709	16-021(c)	0316-97-0389	0.5	1	FT	SED	Dichlorobenzene[1,3-]	0.006	MG/KG	UJ
16-2709	16-021(c)	0316-97-0389	0.5	1	FT	SED	Dichlorobenzene[1,4-]	0.006	MG/KG	UJ
16-2709	16-021(c)	0316-97-0389	0.5	1	FT	SED	Dichlorodifluoromethane	0.012	MG/KG	UJ
16-2709	16-021(c)	0316-97-0389	0.5	1	FT	SED	Dichloroethane[1,1-]	0.006	MG/KG	UJ
16-2709	16-021(c)	0316-97-0389	0.5	1	FT	SED	Dichloroethane[1,2-]	0.006	MG/KG	UJ
16-2709	16-021(c)	0316-97-0389	0.5	1	FT	SED	Dichloroethene[1,1-]	0.006	MG/KG	UJ
16-2709	16-021(c)	0316-97-0389	0.5	1	FT	SED	Dichloroethene[cis-1,2-]	0.006	MG/KG	UJ
16-2709	16-021(c)	0316-97-0389	0.5	1	FT	SED	Dichloroethene[trans-1,2-]	0.006	MG/KG	UJ
16-2709	16-021(c)	0316-97-0389	0.5	1	FT	SED	Dichloropropane[1,2-]	0.006	MG/KG	UJ
16-2709	16-021(c)	0316-97-0389	0.5	1	FT	SED	Dichloropropane[1,3-]	0.006	MG/KG	UJ
16-2709	16-021(c)	0316-97-0389	0.5	1	FT	SED	Dichloropropane[2,2-]	0.006	MG/KG	UJ
16-2709	16-021(c)	0316-97-0389	0.5	1	FT	SED	Dichloropropene[1,1-]	0.006	MG/KG	UJ
16-2709	16-021(c)	0316-97-0389	0.5	1	FT	SED	Dichloropropene[cis-1,3-]	0.006	MG/KG	UJ
16-2709	16-021(c)	0316-97-0389	0.5	1	FT	SED	Dichloropropene[trans-1,3-]	0.006	MG/KG	UJ
16-2709	16-021(c)	0316-97-0389	0.5	1	FT	SED	Ethylbenzene	0.006	MG/KG	UJ
16-2709	16-021(c)	0316-97-0389	0.5	1	FT	SED	Hexachlorobutadiene	0.006	MG/KG	UJ
16-2709	16-021(c)	0316-97-0389	0.5	1	FT	SED	Hexanone[2-]	0.024	MG/KG	UJ
16-2709	16-021(c)	0316-97-0389	0.5	1	FT	SED	Iodomethane	0.006	MG/KG	UJ
16-2709	16-021(c)	0316-97-0389	0.5	1	FT	SED	Isopropylbenzene	0.006	MG/KG	UJ
LOCATION ID	PRS NUMBER	SAMPLE ID	BEGIN DEPTH	END DEPTH	DEPTH UNITS	SAMPLE MEDIUM	ANALYTE NAME	SAMPLE RESULTS	REPORTING UNITS	FOCUS VALIDATION QUALIFIER

Table I-2.0-3 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-2709	16-021(c)	0316-97-0389	0.5	1	FT	SED	Isopropyltoluene[4-]	0.006	MG/KG	UJ
16-2709	16-021(c)	0316-97-0389	0.5	1	FT	SED	Methyl-2-pentanone[4-]	0.024	MG/KG	UJ
16-2709	16-021(c)	0316-97-0389	0.5	1	FT	SED	Methylene Chloride	0.0056	MG/KG	U
16-2709	16-021(c)	0316-97-0389	0.5	1	FT	SED	Naphthalene	0.006	MG/KG	UJ
16-2709	16-021(c)	0316-97-0389	0.5	1	FT	SED	Propylbenzene[1-]	0.006	MG/KG	UJ
16-2709	16-021(c)	0316-97-0389	0.5	1	FT	SED	Styrene	0.006	MG/KG	UJ
16-2709	16-021(c)	0316-97-0389	0.5	1	FT	SED	Tetrachloroethane[1,1,1,2-]	0.006	MG/KG	UJ
16-2709	16-021(c)	0316-97-0389	0.5	1	FT	SED	Tetrachloroethane[1,1,2,2-]	0.006	MG/KG	UJ
16-2709	16-021(c)	0316-97-0389	0.5	1	FT	SED	Tetrachloroethene	0.006	MG/KG	UJ
16-2709	16-021(c)	0316-97-0389	0.5	1	FT	SED	Toluene	0.006	MG/KG	UJ
16-2709	16-021(c)	0316-97-0389	0.5	1	FT	SED	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.006	MG/KG	UJ
16-2709	16-021(c)	0316-97-0389	0.5	1	FT	SED	Trichlorobenzene[1,2,3-]	0.006	MG/KG	UJ
16-2709	16-021(c)	0316-97-0389	0.5	1	FT	SED	Trichlorobenzene[1,2,4-]	0.006	MG/KG	UJ
16-2709	16-021(c)	0316-97-0389	0.5	1	FT	SED	Trichloroethane[1,1,1-]	0.006	MG/KG	UJ
16-2709	16-021(c)	0316-97-0389	0.5	1	FT	SED	Trichloroethane[1,1,2-]	0.006	MG/KG	UJ
16-2709	16-021(c)	0316-97-0389	0.5	1	FT	SED	Trichloroethene	0.006	MG/KG	UJ
16-2709	16-021(c)	0316-97-0389	0.5	1	FT	SED	Trichlorofluoromethane	0.006	MG/KG	UJ
16-2709	16-021(c)	0316-97-0389	0.5	1	FT	SED	Trichloropropane[1,2,3-]	0.006	MG/KG	UJ
16-2709	16-021(c)	0316-97-0389	0.5	1	FT	SED	Trimethylbenzene[1,2,4-]	0.006	MG/KG	UJ
16-2709	16-021(c)	0316-97-0389	0.5	1	FT	SED	Trimethylbenzene[1,3,5-]	0.006	MG/KG	UJ
16-2709	16-021(c)	0316-97-0389	0.5	1	FT	SED	Vinyl Chloride	0.012	MG/KG	UJ
16-2709	16-021(c)	0316-97-0389	0.5	1	FT	SED	Xylene (Total)	0.012	MG/KG	UJ
16-2718	16-021(c)	0316-97-2021	2	2.75	FT	SED	Acetone	0.024	MG/KG	U
16-2718	16-021(c)	0316-97-2021	2	2.75	FT	SED	Benzene	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-2021	2	2.75	FT	SED	Bromobenzene	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-2021	2	2.75	FT	SED	Bromochloromethane	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-2021	2	2.75	FT	SED	Bromodichloromethane	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-2021	2	2.75	FT	SED	Bromoform	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-2021	2	2.75	FT	SED	Bromomethane	0.012	MG/KG	U

Table I-2.0-3 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-2718	16-021(c)	0316-97-2021	2	2.75	FT	SED	Butanone[2-]	0.024	MG/KG	U
LOCATION ID	PRS NUMBER	SAMPLE ID	BEGIN DEPTH	END DEPTH	DEPTH UNITS	SAMPLE MEDIUM	ANALYTE NAME	SAMPLE RESULTS	REPORTING UNITS	FOCUS VALIDATION QUALIFIER
16-2718	16-021(c)	0316-97-2021	2	2.75	FT	SED	Butylbenzene[n-]	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-2021	2	2.75	FT	SED	Butylbenzene[sec-]	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-2021	2	2.75	FT	SED	Butylbenzene[tert-]	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-2021	2	2.75	FT	SED	Carbon Disulfide	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-2021	2	2.75	FT	SED	Carbon Tetrachloride	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-2021	2	2.75	FT	SED	Chlorobenzene	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-2021	2	2.75	FT	SED	Chlorodibromomethane	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-2021	2	2.75	FT	SED	Chloroethane	0.012	MG/KG	U
16-2718	16-021(c)	0316-97-2021	2	2.75	FT	SED	Chloroform	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-2021	2	2.75	FT	SED	Chloromethane	0.012	MG/KG	U
16-2718	16-021(c)	0316-97-2021	2	2.75	FT	SED	Chlorotoluene[2-]	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-2021	2	2.75	FT	SED	Chlorotoluene[4-]	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-2021	2	2.75	FT	SED	Dibromo-3-chloropropane[1,2-]	0.012	MG/KG	U
16-2718	16-021(c)	0316-97-2021	2	2.75	FT	SED	Dibromoethane[1,2-]	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-2021	2	2.75	FT	SED	Dibromomethane	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-2021	2	2.75	FT	SED	Dichlorobenzene[1,2-]	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-2021	2	2.75	FT	SED	Dichlorobenzene[1,3-]	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-2021	2	2.75	FT	SED	Dichlorobenzene[1,4-]	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-2021	2	2.75	FT	SED	Dichlorodifluoromethane	0.012	MG/KG	U
16-2718	16-021(c)	0316-97-2021	2	2.75	FT	SED	Dichloroethane[1,1-]	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-2021	2	2.75	FT	SED	Dichloroethane[1,2-]	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-2021	2	2.75	FT	SED	Dichloroethene[1,1-]	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-2021	2	2.75	FT	SED	Dichloroethene[cis-1,2-]	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-2021	2	2.75	FT	SED	Dichloroethene[trans-1,2-]	0.006	MG/KG	U
16-2718	16-021(c)	0316-97-2021	2	2.75	FT	SED	Dichloropropane[1,2-]	0.006	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Dichlorobenzidine[3,3'-]	0.82	MG/KG	U
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Dichlorophenol[2,4-]	0.41	MG/KG	U
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Diethylphthalate	0.41	MG/KG	U
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Dimethyl Phthalate	0.41	MG/KG	U
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Dimethylphenol[2,4-]	0.41	MG/KG	U
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Di-n-butylphthalate	0.41	MG/KG	U
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Dinitro-2-methylphenol[4,6-]	2	MG/KG	U
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Dinitrophenol[2,4-]	2	MG/KG	U
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Dinitrotoluene[2,4-]	0.41	MG/KG	U
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Dinitrotoluene[2,6-]	0.41	MG/KG	U
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Di-n-octylphthalate	0.41	MG/KG	U
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Fluoranthene	0.41	MG/KG	U
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Fluorene	0.41	MG/KG	U
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Hexachlorobenzene	0.41	MG/KG	U
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Hexachlorobutadiene	0.41	MG/KG	U
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Hexachlorocyclopentadiene	0.41	MG/KG	U
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Hexachloroethane	0.41	MG/KG	U
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Indeno(1,2,3-cd)pyrene	0.41	MG/KG	U
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Isophorone	0.41	MG/KG	U
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Methylnaphthalene[2-]	0.41	MG/KG	U
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Methylphenol[2-]	0.41	MG/KG	U
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Methylphenol[4-]	0.41	MG/KG	U
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Naphthalene	0.41	MG/KG	U
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Nitroaniline[2-]	2	MG/KG	U
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Nitroaniline[3-]	2	MG/KG	U
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Nitroaniline[4-]	0.75	MG/KG	U
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Nitrobenzene	0.41	MG/KG	U
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Nitrophenol[2-]	0.41	MG/KG	U
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Nitrophenol[4-]	2	MG/KG	U
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Nitrosodimethylamine[N-]	0.41	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Nitroso-di-n-propylamine[N-]	0.41	MG/KG	U
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Nitrosodiphenylamine[N-]	0.41	MG/KG	U
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Oxybis(1-chloropropane)[2,2'-]	0.41	MG/KG	U
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Pentachlorophenol	2	MG/KG	U
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Phenanthrene	0.41	MG/KG	U
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Phenol	0.41	MG/KG	U
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Pyrene	0.41	MG/KG	U
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Trichlorobenzene[1,2,4-]	0.41	MG/KG	U
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Trichlorophenol[2,4,5-]	2	MG/KG	U
16-021(c)	16-1397	0316-95-0013	0	0.5	FT	SED	Trichlorophenol[2,4,6-]	0.41	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Acenaphthene	0.37	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Acenaphthylene	0.37	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Aniline	0.37	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Anthracene	0.37	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Azobenzene	0.37	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Benzo(a)anthracene	0.37	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Benzo(a)pyrene	0.37	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Benzo(b)fluoranthene	0.37	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Benzo(g,h,i)perylene	0.37	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Benzo(k)fluoranthene	0.37	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Benzoic Acid	3.7	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Benzyl Alcohol	1.4	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Bis(2-chloroethoxy)methane	0.37	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Bis(2-chloroethyl)ether	0.37	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Bis(2-ethylhexyl)phthalate	0.37	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Bromophenyl-phenylether[4-]	0.37	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Butylbenzylphthalate	0.37	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Chloro-3-methylphenol[4-]	0.74	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Chloroaniline[4-]	1.4	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Chloronaphthalene[2-]	0.37	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Chlorophenol[2-]	0.37	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Chlorophenyl-phenyl[4-] Ether	0.37	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Chrysene	0.37	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Dibenz(a,h)anthracene	0.37	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Dibenzofuran	0.37	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Dichlorobenzene[1,2-]	0.37	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Dichlorobenzene[1,3-]	0.37	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Dichlorobenzene[1,4-]	0.37	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Dichlorobenzidine[3,3'-]	0.74	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Dichlorophenol[2,4-]	0.37	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Diethylphthalate	0.37	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Dimethyl Phthalate	0.37	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Dimethylphenol[2,4-]	0.37	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Di-n-butylphthalate	0.37	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Dinitro-2-methylphenol[4,6-]	1.8	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Dinitrophenol[2,4-]	1.8	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Dinitrotoluene[2,4-]	0.37	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Dinitrotoluene[2,6-]	0.37	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Di-n-octylphthalate	0.37	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Fluoranthene	0.37	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Fluorene	0.37	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Hexachlorobenzene	0.37	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Hexachlorobutadiene	0.37	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Hexachlorocyclopentadiene	0.37	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Hexachloroethane	0.37	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Indeno(1,2,3-cd)pyrene	0.37	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Isophorone	0.37	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Methylnaphthalene[2-]	0.37	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Methylphenol[2-]	0.37	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Methylphenol[4-]	0.37	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Naphthalene	0.37	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Nitroaniline[2-]	1.8	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Nitroaniline[3-]	1.8	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Nitroaniline[4-]	0.67	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Nitrobenzene	0.37	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Nitrophenol[2-]	0.37	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Nitrophenol[4-]	1.8	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Nitrosodimethylamine[N-]	0.37	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Nitroso-di-n-propylamine[N-]	0.37	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Nitrosodiphenylamine[N-]	0.37	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Oxybis(1-chloropropane)[2,2'-]	0.37	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Pentachlorophenol	1.8	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Phenanthrene	0.37	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Phenol	0.37	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Pyrene	0.37	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Trichlorobenzene[1,2,4-]	0.37	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Trichlorophenol[2,4,5-]	1.8	MG/KG	U
16-021(c)	16-1396	0316-95-0014	0	0.5	FT	SED	Trichlorophenol[2,4,6-]	0.37	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Acenaphthene	0.36	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Acenaphthylene	0.36	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Aniline	0.36	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Anthracene	0.36	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Azobenzene	0.36	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Benzo(a)anthracene	0.36	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Benzo(a)pyrene	0.36	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Benzo(b)fluoranthene	0.36	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Benzo(g,h,i)perylene	0.36	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Benzo(k)fluoranthene	0.36	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Benzoic Acid	3.6	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Benzyl Alcohol	1.4	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Bis(2-chloroethoxy)methane	0.36	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Bis(2-chloroethyl)ether	0.36	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Bis(2-ethylhexyl)phthalate	0.36	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Bromophenyl-phenylether[4-]	0.36	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Butylbenzylphthalate	0.36	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Chloro-3-methylphenol[4-]	0.73	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Chloroaniline[4-]	1.4	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Chloronaphthalene[2-]	0.36	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Chlorophenol[2-]	0.36	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Chlorophenyl-phenyl[4-] Ether	0.36	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Chrysene	0.36	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Dibenz(a,h)anthracene	0.36	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Dibenzofuran	0.36	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Dichlorobenzene[1,2-]	0.36	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Dichlorobenzene[1,3-]	0.36	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Dichlorobenzene[1,4-]	0.36	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Dichlorobenzidine[3,3'-]	0.73	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Dichlorophenol[2,4-]	0.36	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Diethylphthalate	0.36	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Dimethyl Phthalate	0.36	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Dimethylphenol[2,4-]	0.36	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Di-n-butylphthalate	0.36	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Dinitro-2-methylphenol[4,6-]	1.8	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Dinitrophenol[2,4-]	1.8	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Dinitrotoluene[2,4-]	0.36	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Dinitrotoluene[2,6-]	0.36	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Di-n-octylphthalate	0.36	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Fluoranthene	0.36	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Fluorene	0.36	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Hexachlorobenzene	0.36	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Hexachlorobutadiene	0.36	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Hexachlorocyclopentadiene	0.36	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Hexachloroethane	0.36	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Indeno(1,2,3-cd)pyrene	0.36	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Isophorone	0.36	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Methylnaphthalene[2-]	0.36	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Methylphenol[2-]	0.36	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Methylphenol[4-]	0.36	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Naphthalene	0.36	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Nitroaniline[2-]	1.8	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Nitroaniline[3-]	1.8	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Nitroaniline[4-]	0.66	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Nitrobenzene	0.36	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Nitrophenol[2-]	0.36	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Nitrophenol[4-]	1.8	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Nitrosodimethylamine[N-]	0.36	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Nitroso-di-n-propylamine[N-]	0.36	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Nitrosodiphenylamine[N-]	0.36	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Oxybis(1-chloropropane)[2,2'-]	0.36	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Pentachlorophenol	1.8	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Phenanthrene	0.36	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Phenol	0.36	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Pyrene	0.36	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Trichlorobenzene[1,2,4-]	0.36	MG/KG	U
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Trichlorophenol[2,4,5-]	1.8	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1399	0316-95-0015	0	0.5	FT	SED	Trichlorophenol[2,4,6-]	0.36	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Acenaphthene	0.41	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Acenaphthylene	0.41	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Aniline	0.41	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Anthracene	0.41	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Azobenzene	0.41	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Benzo(a)anthracene	0.41	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Benzo(a)pyrene	0.41	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Benzo(b)fluoranthene	0.41	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Benzo(g,h,i)perylene	0.41	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Benzo(k)fluoranthene	0.41	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Benzoic Acid	0.08	MG/KG	J
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Benzyl Alcohol	1.6	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Bis(2-chloroethoxy)methane	0.41	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Bis(2-chloroethyl)ether	0.41	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Bis(2-ethylhexyl)phthalate	0.41	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Bromophenyl-phenylether[4-]	0.41	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Butylbenzylphthalate	0.41	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Chloro-3-methylphenol[4-]	0.83	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Chloroaniline[4-]	1.6	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Chloronaphthalene[2-]	0.41	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Chlorophenol[2-]	0.41	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Chlorophenyl-phenyl[4-] Ether	0.41	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Chrysene	0.41	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Dibenz(a,h)anthracene	0.41	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Dibenzofuran	0.41	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Dichlorobenzene[1,2-]	0.41	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Dichlorobenzene[1,3-]	0.41	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Dichlorobenzene[1,4-]	0.41	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Dichlorobenzidine[3,3'-]	0.83	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Dichlorophenol[2,4-]	0.41	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Diethylphthalate	0.41	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Dimethyl Phthalate	0.41	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Dimethylphenol[2,4-]	0.41	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Di-n-butylphthalate	0.41	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Dinitro-2-methylphenol[4,6-]	2	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Dinitrophenol[2,4-]	2	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Dinitrotoluene[2,4-]	0.41	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Dinitrotoluene[2,6-]	0.41	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Di-n-octylphthalate	0.41	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Fluoranthene	0.41	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Fluorene	0.41	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Hexachlorobenzene	0.41	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Hexachlorobutadiene	0.41	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Hexachlorocyclopentadiene	0.41	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Hexachloroethane	0.41	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Indeno(1,2,3-cd)pyrene	0.41	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Isophorone	0.41	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Methylnaphthalene[2-]	0.41	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Methylphenol[2-]	0.41	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Methylphenol[4-]	0.41	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Naphthalene	0.41	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Nitroaniline[2-]	2	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Nitroaniline[3-]	2	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Nitroaniline[4-]	0.75	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Nitrobenzene	0.41	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Nitrophenol[2-]	0.41	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Nitrophenol[4-]	2	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Nitrosodimethylamine[N-]	0.41	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Nitroso-di-n-propylamine[N-]	0.41	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Nitrosodiphenylamine[N-]	0.41	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Oxybis(1-chloropropane)[2,2'-]	0.41	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Pentachlorophenol	2	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Phenanthrene	0.41	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Phenol	0.41	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Pyrene	0.41	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Trichlorobenzene[1,2,4-]	0.41	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Trichlorophenol[2,4,5-]	2	MG/KG	U
16-021(c)	16-1398	0316-95-0016	0	0.5	FT	SED	Trichlorophenol[2,4,6-]	0.41	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Acenaphthene	0.39	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Acenaphthylene	0.39	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Aniline	0.39	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Anthracene	0.39	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Azobenzene	0.39	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Benzo(a)anthracene	0.39	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Benzo(a)pyrene	0.39	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Benzo(b)fluoranthene	0.39	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Benzo(g,h,i)perylene	0.39	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Benzo(k)fluoranthene	0.39	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Benzoic Acid	3.9	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Benzyl Alcohol	1.5	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Bis(2-chloroethoxy)methane	0.39	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Bis(2-chloroethyl)ether	0.39	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Bis(2-ethylhexyl)phthalate	0.39	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Bromophenyl-phenylether[4-]	0.39	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Butylbenzylphthalate	0.39	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Chloro-3-methylphenol[4-]	0.78	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Chloroaniline[4-]	1.5	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Chloronaphthalene[2-]	0.39	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Chlorophenol[2-]	0.39	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Chlorophenyl-phenyl[4-] Ether	0.39	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Chrysene	0.39	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Dibenz(a,h)anthracene	0.39	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Dibenzofuran	0.39	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Dichlorobenzene[1,2-]	0.39	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Dichlorobenzene[1,3-]	0.39	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Dichlorobenzene[1,4-]	0.39	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Dichlorobenzidine[3,3'-]	0.78	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Dichlorophenol[2,4-]	0.39	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Diethylphthalate	0.39	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Dimethyl Phthalate	0.39	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Dimethylphenol[2,4-]	0.39	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Di-n-butylphthalate	0.39	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Dinitro-2-methylphenol[4,6-]	1.9	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Dinitrophenol[2,4-]	1.9	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Dinitrotoluene[2,4-]	0.1	MG/KG	J
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Dinitrotoluene[2,6-]	0.39	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Di-n-octylphthalate	0.39	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Fluoranthene	0.39	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Fluorene	0.39	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Hexachlorobenzene	0.39	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Hexachlorobutadiene	0.39	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Hexachlorocyclopentadiene	0.39	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Hexachloroethane	0.39	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Indeno(1,2,3-cd)pyrene	0.39	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Isophorone	0.39	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Methylnaphthalene[2-]	0.39	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Methylphenol[2-]	0.39	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Methylphenol[4-]	0.39	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Naphthalene	0.39	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Nitroaniline[2-]	1.9	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Nitroaniline[3-]	1.9	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Nitroaniline[4-]	0.71	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Nitrobenzene	0.39	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Nitrophenol[2-]	0.39	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Nitrophenol[4-]	1.9	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Nitrosodimethylamine[N-]	0.39	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Nitroso-di-n-propylamine[N-]	0.39	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Nitrosodiphenylamine[N-]	0.39	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Oxybis(1-chloropropane)[2,2'-]	0.39	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Pentachlorophenol	1.9	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Phenanthrene	0.39	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Phenol	0.39	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Pyrene	0.39	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Trichlorobenzene[1,2,4-]	0.39	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Trichlorophenol[2,4,5-]	1.9	MG/KG	U
16-021(c)	16-1401	0316-95-0017	0	0.5	FT	SED	Trichlorophenol[2,4,6-]	0.39	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Acenaphthene	0.82	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Acenaphthylene	0.82	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Aniline	0.82	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Anthracene	0.82	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Azobenzene	0.82	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Benzo(a)anthracene	0.82	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Benzo(a)pyrene	0.82	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Benzo(b)fluoranthene	0.82	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Benzo(g,h,i)perylene	0.82	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Benzo(k)fluoranthene	0.82	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Benzoic Acid	0.13	MG/KG	J
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Benzyl Alcohol	3.2	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Bis(2-chloroethoxy)methane	0.82	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Bis(2-chloroethyl)ether	0.82	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Bis(2-ethylhexyl)phthalate	0.82	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Bromophenyl-phenylether[4-]	0.82	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Indeno(1,2,3-cd)pyrene	0.82	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Isophorone	0.82	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Methylnaphthalene[2-]	0.82	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Methylphenol[2-]	0.82	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Butylbenzylphthalate	0.82	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Chloro-3-methylphenol[4-]	1.6	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Chloroaniline[4-]	3.2	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Chloronaphthalene[2-]	0.82	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Chlorophenol[2-]	0.82	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Chlorophenyl-phenyl[4-] Ether	0.82	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Chrysene	0.82	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Dibenz(a,h)anthracene	0.82	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Dibenzofuran	0.82	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Dichlorobenzene[1,2-]	0.82	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Dichlorobenzene[1,3-]	0.82	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Dichlorobenzene[1,4-]	0.82	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Dichlorobenzidine[3,3'-]	1.6	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Dichlorophenol[2,4-]	0.82	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Diethylphthalate	0.82	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Dimethyl Phthalate	0.82	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Dimethylphenol[2,4-]	0.82	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Di-n-butylphthalate	0.82	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Dinitro-2-methylphenol[4,6-]	4	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Dinitrophenol[2,4-]	4	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Dinitrotoluene[2,4-]	0.31	MG/KG	J
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Dinitrotoluene[2,6-]	0.82	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Di-n-octylphthalate	0.82	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Fluoranthene	0.82	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Fluorene	0.82	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Hexachlorobenzene	0.82	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Hexachlorobutadiene	0.82	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Hexachlorocyclopentadiene	0.82	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Hexachloroethane	0.82	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Methylphenol[4-]	0.82	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Naphthalene	0.82	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Nitroaniline[2-]	4	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Nitroaniline[3-]	4	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Nitroaniline[4-]	1.5	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Nitrobenzene	0.82	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Nitrophenol[2-]	0.82	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Nitrophenol[4-]	4	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Nitrosodimethylamine[N-]	0.82	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Nitroso-di-n-propylamine[N-]	0.82	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Nitrosodiphenylamine[N-]	0.82	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Oxybis(1-chloropropane)[2,2'-]	0.82	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Pentachlorophenol	4	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Phenanthrene	0.82	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Phenol	0.82	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Pyrene	0.82	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Trichlorobenzene[1,2,4-]	0.82	MG/KG	U
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Trichlorophenol[2,4,5-]	4	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1400	0316-95-0018	0	0.5	FT	SED	Trichlorophenol[2,4,6-]	0.82	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Acenaphthene	4.2	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Acenaphthylene	4.2	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Aniline	4.2	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Anthracene	4.2	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Azobenzene	4.2	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Benzo(a)anthracene	4.2	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Benzo(a)pyrene	4.2	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Benzo(b)fluoranthene	4.2	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Benzo(g,h,i)perylene	4.2	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Benzo(k)fluoranthene	4.2	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Benzoic Acid	42	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Benzyl Alcohol	16	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Bis(2-chloroethoxy)methane	4.2	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Bis(2-chloroethyl)ether	4.2	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Bis(2-ethylhexyl)phthalate	4.2	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Bromophenyl-phenylether[4-]	4.2	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Butylbenzylphthalate	4.2	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Chloro-3-methylphenol[4-]	8.3	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Chloroaniline[4-]	16	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Chloronaphthalene[2-]	4.2	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Chlorophenol[2-]	4.2	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Chlorophenyl-phenyl[4-] Ether	4.2	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Chrysene	4.2	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Dibenz(a,h)anthracene	4.2	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Dibenzofuran	4.2	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Dichlorobenzene[1,2-]	4.2	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Dichlorobenzene[1,3-]	4.2	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Dichlorobenzene[1,4-]	4.2	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Dichlorobenzidine[3,3'-]	8.3	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Dichlorophenol[2,4-]	4.2	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Diethylphthalate	4.2	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Dimethyl Phthalate	4.2	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Dimethylphenol[2,4-]	4.2	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Di-n-butylphthalate	4.2	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Dinitro-2-methylphenol[4,6-]	20	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Dinitrophenol[2,4-]	20	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Dinitrotoluene[2,4-]	4.2	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Dinitrotoluene[2,6-]	4.2	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Di-n-octylphthalate	4.2	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Fluoranthene	4.2	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Fluorene	4.2	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Hexachlorobenzene	4.2	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Hexachlorobutadiene	4.2	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Hexachlorocyclopentadiene	4.2	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Hexachloroethane	4.2	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Indeno(1,2,3-cd)pyrene	4.2	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Isophorone	4.2	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Methylnaphthalene[2-]	4.2	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Methylphenol[2-]	4.2	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Methylphenol[4-]	4.2	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Naphthalene	4.2	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Nitroaniline[2-]	20	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Nitroaniline[3-]	20	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Nitroaniline[4-]	7.6	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Nitrobenzene	4.2	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Nitrophenol[2-]	4.2	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Nitrophenol[4-]	20	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Nitrosodimethylamine[N-]	4.2	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Nitroso-di-n-propylamine[N-]	4.2	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Nitrosodiphenylamine[N-]	4.2	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Oxybis(1-chloropropane)[2,2'-]	4.2	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Pentachlorophenol	20	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Phenanthrene	4.2	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Phenol	4.2	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Pyrene	4.2	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Trichlorobenzene[1,2,4-]	4.2	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Trichlorophenol[2,4,5-]	20	MG/KG	U
16-021(c)	16-1403	0316-95-0019	0	0.5	FT	SED	Trichlorophenol[2,4,6-]	4.2	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Acenaphthene	0.39	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Acenaphthylene	0.39	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Aniline	0.39	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Anthracene	0.39	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Azobenzene	0.39	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Benzo(a)anthracene	0.39	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Benzo(a)pyrene	0.39	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Benzo(b)fluoranthene	0.39	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Benzo(g,h,i)perylene	0.39	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Benzo(k)fluoranthene	0.39	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Benzoic Acid	3.9	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Benzyl Alcohol	1.5	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Bis(2-chloroethoxy)methane	0.39	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Bis(2-chloroethyl)ether	0.39	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Bis(2-ethylhexyl)phthalate	0.39	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Bromophenyl-phenylether[4-]	0.39	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Butylbenzylphthalate	0.39	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Chloro-3-methylphenol[4-]	0.78	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Chloroaniline[4-]	1.5	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Chloronaphthalene[2-]	0.39	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Chlorophenol[2-]	0.39	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Chlorophenyl-phenyl[4-] Ether	0.39	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Chrysene	0.39	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Dibenz(a,h)anthracene	0.39	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Dibenzofuran	0.39	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Dichlorobenzene[1,2-]	0.39	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Dichlorobenzene[1,3-]	0.39	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Dichlorobenzene[1,4-]	0.39	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Dichlorobenzidine[3,3'-]	0.78	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Dichlorophenol[2,4-]	0.39	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Diethylphthalate	0.39	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Dimethyl Phthalate	0.39	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Dimethylphenol[2,4-]	0.39	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Di-n-butylphthalate	0.39	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Dinitro-2-methylphenol[4,6-]	1.9	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Dinitrophenol[2,4-]	1.9	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Dinitrotoluene[2,4-]	0.39	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Dinitrotoluene[2,6-]	0.39	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Di-n-octylphthalate	0.39	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Fluoranthene	0.39	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Fluorene	0.39	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Hexachlorobenzene	0.39	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Hexachlorobutadiene	0.39	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Hexachlorocyclopentadiene	0.39	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Hexachloroethane	0.39	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Indeno(1,2,3-cd)pyrene	0.39	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Isophorone	0.39	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Methylnaphthalene[2-]	0.39	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Methylphenol[2-]	0.39	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Methylphenol[4-]	0.39	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Naphthalene	0.39	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Nitroaniline[2-]	1.9	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Nitroaniline[3-]	1.9	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Nitroaniline[4-]	0.71	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Nitrobenzene	0.39	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Nitrophenol[2-]	0.39	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Nitrophenol[4-]	1.9	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Nitrosodimethylamine[N-]	0.39	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Nitroso-di-n-propylamine[N-]	0.39	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Nitrosodiphenylamine[N-]	0.39	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Oxybis(1-chloropropane)[2,2'-]	0.39	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Pentachlorophenol	1.9	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Phenanthrene	0.39	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Phenol	0.39	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Pyrene	0.39	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Trichlorobenzene[1,2,4-]	0.39	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Trichlorophenol[2,4,5-]	1.9	MG/KG	U
16-021(c)	16-1402	0316-95-0020	0	0.5	FT	SED	Trichlorophenol[2,4,6-]	0.39	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Acenaphthene	0.39	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Acenaphthylene	0.39	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Aniline	0.39	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Anthracene	0.39	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Azobenzene	0.39	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Benzo(a)anthracene	0.39	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Benzo(a)pyrene	0.39	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Benzo(b)fluoranthene	0.39	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Benzo(g,h,i)perylene	0.39	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Benzo(k)fluoranthene	0.39	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Benzoic Acid	3.9	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Benzyl Alcohol	1.6	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Bis(2-chloroethoxy)methane	0.39	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Bis(2-chloroethyl)ether	0.39	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Bis(2-ethylhexyl)phthalate	0.39	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Bromophenyl-phenylether[4-]	0.39	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Butylbenzylphthalate	0.39	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Chloro-3-methylphenol[4-]	0.79	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Chloroaniline[4-]	1.6	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Chloronaphthalene[2-]	0.39	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Chlorophenol[2-]	0.39	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Chlorophenyl-phenyl[4-] Ether	0.39	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Chrysene	0.39	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Dibenz(a,h)anthracene	0.39	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Dibenzofuran	0.39	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Dichlorobenzene[1,2-]	0.39	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Dichlorobenzene[1,3-]	0.39	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Dichlorobenzene[1,4-]	0.39	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Dichlorobenzidine[3,3'-]	0.79	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Dichlorophenol[2,4-]	0.39	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Diethylphthalate	0.39	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Dimethyl Phthalate	0.39	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Dimethylphenol[2,4-]	0.39	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Di-n-butylphthalate	0.39	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Dinitro-2-methylphenol[4,6-]	1.9	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Dinitrophenol[2,4-]	1.9	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Dinitrotoluene[2,4-]	0.5	MG/KG	none
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Dinitrotoluene[2,6-]	0.39	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Di-n-octylphthalate	0.39	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Fluoranthene	0.39	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Fluorene	0.39	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Hexachlorobenzene	0.39	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Hexachlorobutadiene	0.39	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Hexachlorocyclopentadiene	0.39	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Hexachloroethane	0.39	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Indeno(1,2,3-cd)pyrene	0.39	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Isophorone	0.39	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Methylnaphthalene[2-]	0.39	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Methylphenol[2-]	0.39	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Methylphenol[4-]	0.39	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Naphthalene	0.39	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Nitroaniline[2-]	1.9	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Nitroaniline[3-]	1.9	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Nitroaniline[4-]	0.72	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Nitrobenzene	0.39	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Nitrophenol[2-]	0.39	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Nitrophenol[4-]	1.9	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Nitrosodimethylamine[N-]	0.39	MG/KG	JB
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Nitroso-di-n-propylamine[N-]	0.39	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Nitrosodiphenylamine[N-]	0.39	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Oxybis(1-chloropropane)[2,2'-]	0.39	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Pentachlorophenol	1.9	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Phenanthrene	0.39	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Phenol	0.39	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Pyrene	0.39	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Trichlorobenzene[1,2,4-]	0.39	MG/KG	U
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Trichlorophenol[2,4,5-]	1.9	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1405	0316-95-0021	0	0.5	FT	SED	Trichlorophenol[2,4,6-]	0.39	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Acenaphthene	0.53	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Acenaphthylene	0.53	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Aniline	0.53	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Anthracene	0.53	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Azobenzene	0.53	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Benzo(a)anthracene	0.53	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Benzo(a)pyrene	0.53	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Benzo(b)fluoranthene	0.53	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Benzo(g,h,i)perylene	0.53	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Benzo(k)fluoranthene	0.53	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Benzoic Acid	0.43	MG/KG	J
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Benzyl Alcohol	2.1	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Bis(2-chloroethoxy)methane	0.53	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Bis(2-chloroethyl)ether	0.53	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Bis(2-ethylhexyl)phthalate	1.9	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Bromophenyl-phenylether[4-]	0.53	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Butylbenzylphthalate	0.53	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Chloro-3-methylphenol[4-]	1.1	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Chloroaniline[4-]	2.1	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Chloronaphthalene[2-]	0.53	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Chlorophenol[2-]	0.53	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Chlorophenyl-phenyl[4-] Ether	0.53	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Chrysene	0.53	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Dibenz(a,h)anthracene	0.53	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Dibenzofuran	0.53	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Dichlorobenzene[1,2-]	0.53	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Dichlorobenzene[1,3-]	0.53	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Dichlorobenzene[1,4-]	0.53	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Dichlorobenzidine[3,3'-]	1.1	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Dichlorophenol[2,4-]	0.53	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Diethylphthalate	0.53	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Dimethyl Phthalate	0.53	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Dimethylphenol[2,4-]	0.53	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Di-n-butylphthalate	0.53	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Dinitro-2-methylphenol[4,6-]	2.6	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Dinitrophenol[2,4-]	2.6	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Dinitrotoluene[2,4-]	2.6	MG/KG	none
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Dinitrotoluene[2,6-]	0.53	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Di-n-octylphthalate	0.53	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Fluoranthene	0.53	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Fluorene	0.53	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Hexachlorobenzene	0.53	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Hexachlorobutadiene	0.53	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Hexachlorocyclopentadiene	0.53	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Hexachloroethane	0.53	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Indeno(1,2,3-cd)pyrene	0.53	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Isophorone	0.53	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Methylnaphthalene[2-]	0.53	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Methylphenol[2-]	0.53	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Methylphenol[4-]	0.53	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Naphthalene	0.53	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Nitroaniline[2-]	2.6	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Nitroaniline[3-]	2.6	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Nitroaniline[4-]	0.97	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Nitrobenzene	0.53	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Nitrophenol[2-]	0.53	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Nitrophenol[4-]	2.6	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Nitrosodimethylamine[N-]	0.53	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Nitroso-di-n-propylamine[N-]	0.53	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Nitrosodiphenylamine[N-]	0.53	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Oxybis(1-chloropropane)[2,2'-]	0.53	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Pentachlorophenol	2.6	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Phenanthrene	0.53	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Phenol	0.53	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Pyrene	0.53	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Trichlorobenzene[1,2,4-]	0.53	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Trichlorophenol[2,4,5-]	2.6	MG/KG	U
16-021(c)	16-1404	0316-95-0022	0	0.2	FT	SED	Trichlorophenol[2,4,6-]	0.53	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Acenaphthene	0.43	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Acenaphthylene	0.43	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Aniline	0.43	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Anthracene	0.43	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Azobenzene	0.43	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Benzo(a)anthracene	0.43	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Benzo(a)pyrene	0.43	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Benzo(b)fluoranthene	0.43	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Benzo(g,h,i)perylene	0.43	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Benzo(k)fluoranthene	0.43	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Benzoic Acid	0.12	MG/KG	J
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Benzyl Alcohol	1.7	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Bis(2-chloroethoxy)methane	0.43	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Bis(2-chloroethyl)ether	0.43	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Bis(2-ethylhexyl)phthalate	0.43	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Bromophenyl-phenylether[4-]	0.43	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Butylbenzylphthalate	0.43	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Chloro-3-methylphenol[4-]	0.86	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Chloroaniline[4-]	1.7	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Chloronaphthalene[2-]	0.43	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Chlorophenol[2-]	0.43	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Chlorophenyl-phenyl[4-] Ether	0.43	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Chrysene	0.43	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Dibenz(a,h)anthracene	0.43	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Dibenzofuran	0.43	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Dichlorobenzene[1,2-]	0.43	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Dichlorobenzene[1,3-]	0.43	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Dichlorobenzene[1,4-]	0.43	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Dichlorobenzidine[3,3'-]	0.86	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Dichlorophenol[2,4-]	0.43	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Diethylphthalate	0.43	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Dimethyl Phthalate	0.43	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Dimethylphenol[2,4-]	0.43	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Di-n-butylphthalate	0.43	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Dinitro-2-methylphenol[4,6-]	2.1	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Dinitrophenol[2,4-]	2.1	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Dinitrotoluene[2,4-]	0.43	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Dinitrotoluene[2,6-]	0.43	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Di-n-octylphthalate	0.43	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Fluoranthene	0.43	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Fluorene	0.43	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Hexachlorobenzene	0.43	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Hexachlorobutadiene	0.43	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Hexachlorocyclopentadiene	0.43	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Hexachloroethane	0.43	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Indeno(1,2,3-cd)pyrene	0.43	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Isophorone	0.43	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Methylnaphthalene[2-]	0.43	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Methylphenol[2-]	0.43	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Methylphenol[4-]	0.43	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Naphthalene	0.43	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Nitroaniline[2-]	2.1	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Nitroaniline[3-]	2.1	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Nitroaniline[4-]	0.78	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Nitrobenzene	0.43	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Nitrophenol[2-]	0.43	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Nitrophenol[4-]	2.1	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Nitrosodimethylamine[N-]	0.43	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Nitroso-di-n-propylamine[N-]	0.43	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Nitrosodiphenylamine[N-]	0.43	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Oxybis(1-chloropropane)[2,2'-]	0.43	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Pentachlorophenol	2.1	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Phenanthrene	0.43	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Phenol	0.43	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Pyrene	0.43	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Trichlorobenzene[1,2,4-]	0.43	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Trichlorophenol[2,4,5-]	2.1	MG/KG	U
16-021(c)	16-1407	0316-95-0023	0	0.5	FT	SED	Trichlorophenol[2,4,6-]	0.43	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Acenaphthene	0.33	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Acenaphthylene	0.33	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Aniline	0.33	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Anthracene	0.33	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Azobenzene	0.33	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Benzo(a)anthracene	0.33	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Benzo(a)pyrene	0.33	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Benzo(b)fluoranthene	0.33	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Benzo(g,h,i)perylene	0.33	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Benzo(k)fluoranthene	0.33	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Benzoic Acid	0.07	MG/KG	J
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Benzyl Alcohol	1.4	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Bis(2-chloroethoxy)methane	0.33	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Bis(2-chloroethyl)ether	0.33	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Bis(2-ethylhexyl)phthalate	0.16	MG/KG	J
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Bromophenyl-phenylether[4-]	0.33	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Butylbenzylphthalate	0.33	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Chloro-3-methylphenol[4-]	0.66	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Chloroaniline[4-]	1.3	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Chloronaphthalene[2-]	0.33	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Chlorophenol[2-]	0.33	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Chlorophenyl-phenyl[4-] Ether	0.33	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Chrysene	0.33	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Dibenz(a,h)anthracene	0.33	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Dibenzofuran	0.33	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Dichlorobenzene[1,2-]	0.33	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Dichlorobenzene[1,3-]	0.33	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Dichlorobenzene[1,4-]	0.33	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Dichlorobenzidine[3,3'-]	0.66	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Dichlorophenol[2,4-]	0.33	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Diethylphthalate	0.33	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Dimethyl Phthalate	0.33	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Dimethylphenol[2,4-]	0.33	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Di-n-butylphthalate	0.33	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Dinitro-2-methylphenol[4,6-]	1.6	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Dinitrophenol[2,4-]	1.6	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Dinitrotoluene[2,4-]	0.33	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Dinitrotoluene[2,6-]	0.33	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Di-n-octylphthalate	0.33	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Fluoranthene	0.33	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Fluorene	0.33	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Hexachlorobenzene	0.33	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Hexachlorobutadiene	0.33	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Hexachlorocyclopentadiene	0.33	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Hexachloroethane	0.33	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Indeno(1,2,3-cd)pyrene	0.33	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Isophorone	0.33	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Methylnaphthalene[2-]	0.33	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Methylphenol[2-]	0.33	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Methylphenol[4-]	0.33	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Naphthalene	0.33	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Nitroaniline[2-]	1.6	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Nitroaniline[3-]	1.6	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Nitroaniline[4-]	0.6	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Nitrobenzene	0.33	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Nitrophenol[2-]	0.33	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Nitrophenol[4-]	1.6	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Nitrosodimethylamine[N-]	0.33	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Nitroso-di-n-propylamine[N-]	0.33	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Nitrosodiphenylamine[N-]	0.33	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Oxybis(1-chloropropane)[2,2'-]	0.33	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Pentachlorophenol	1.6	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Phenanthrene	0.33	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Phenol	0.33	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Pyrene	0.33	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Trichlorobenzene[1,2,4-]	0.33	MG/KG	U
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Trichlorophenol[2,4,5-]	1.6	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1406	0316-95-0024	0	0.5	FT	SED	Trichlorophenol[2,4,6-]	0.33	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Acenaphthene	0.39	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Acenaphthylene	0.39	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Aniline	0.39	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Anthracene	0.39	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Azobenzene	0.39	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Benzo(a)anthracene	0.39	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Benzo(a)pyrene	0.39	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Benzo(b)fluoranthene	0.39	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Benzo(g,h,i)perylene	0.39	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Benzo(k)fluoranthene	0.39	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Benzoic Acid	3.9	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Benzyl Alcohol	1.5	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Bis(2-chloroethoxy)methane	0.39	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Bis(2-chloroethyl)ether	0.39	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Bis(2-ethylhexyl)phthalate	0.39	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Bromophenyl-phenylether[4-]	0.39	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Butylbenzylphthalate	0.39	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Chloro-3-methylphenol[4-]	0.78	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Chloroaniline[4-]	1.5	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Chloronaphthalene[2-]	0.39	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Chlorophenol[2-]	0.39	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Chlorophenyl-phenyl[4-] Ether	0.39	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Chrysene	0.39	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Dibenz(a,h)anthracene	0.39	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Dibenzofuran	0.39	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Dichlorobenzene[1,2-]	0.39	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Dichlorobenzene[1,3-]	0.39	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Dichlorobenzene[1,4-]	0.39	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Dichlorobenzidine[3,3'-]	0.78	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Dichlorophenol[2,4-]	0.39	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Diethylphthalate	0.39	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Dimethyl Phthalate	0.39	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Dimethylphenol[2,4-]	0.39	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Di-n-butylphthalate	0.39	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Dinitro-2-methylphenol[4,6-]	1.9	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Dinitrophenol[2,4-]	1.9	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Dinitrotoluene[2,4-]	0.094	MG/KG	J
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Dinitrotoluene[2,6-]	0.39	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Di-n-octylphthalate	0.39	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Fluoranthene	0.39	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Fluorene	0.39	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Hexachlorobenzene	0.39	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Hexachlorobutadiene	0.39	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Hexachlorocyclopentadiene	0.39	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Hexachloroethane	0.39	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Indeno(1,2,3-cd)pyrene	0.39	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Isophorone	0.39	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Methylnaphthalene[2-]	0.39	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Methylphenol[2-]	0.39	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Methylphenol[4-]	0.39	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Naphthalene	0.39	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Nitroaniline[2-]	1.9	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Nitroaniline[3-]	1.9	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Nitroaniline[4-]	0.71	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Nitrobenzene	0.39	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Nitrophenol[2-]	0.39	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Nitrophenol[4-]	1.9	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Nitrosodimethylamine[N-]	0.39	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Nitroso-di-n-propylamine[N-]	0.39	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Nitrosodiphenylamine[N-]	0.39	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Oxybis(1-chloropropane)[2,2'-]	0.39	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Pentachlorophenol	1.9	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Phenanthrene	0.39	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Phenol	0.39	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Pyrene	0.39	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Trichlorobenzene[1,2,4-]	0.39	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Trichlorophenol[2,4,5-]	1.9	MG/KG	U
16-021(c)	16-1409	0316-95-0025	0	0.5	FT	SED	Trichlorophenol[2,4,6-]	0.39	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Acenaphthene	0.58	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Acenaphthylene	0.58	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Aniline	0.58	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Anthracene	0.58	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Azobenzene	0.58	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Benzo(a)anthracene	0.58	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Benzo(a)pyrene	0.58	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Benzo(b)fluoranthene	0.58	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Benzo(g,h,i)perylene	0.58	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Benzo(k)fluoranthene	0.58	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Benzoic Acid	0.12	MG/KG	J
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Benzyl Alcohol	2.3	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Bis(2-chloroethoxy)methane	0.58	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Bis(2-chloroethyl)ether	0.58	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Bis(2-ethylhexyl)phthalate	0.58	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Bromophenyl-phenylether[4-]	0.58	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Butylbenzylphthalate	0.58	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Chloro-3-methylphenol[4-]	1.2	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Chloroaniline[4-]	2.3	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Chloronaphthalene[2-]	0.58	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Chlorophenol[2-]	0.58	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Chlorophenyl-phenyl[4-] Ether	0.58	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Chrysene	0.58	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Dibenz(a,h)anthracene	0.58	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Dibenzofuran	0.58	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Dichlorobenzene[1,2-]	0.58	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Dichlorobenzene[1,3-]	0.58	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Dichlorobenzene[1,4-]	0.58	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Dichlorobenzidine[3,3'-]	1.2	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Dichlorophenol[2,4-]	0.58	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Diethylphthalate	0.58	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Dimethyl Phthalate	0.58	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Dimethylphenol[2,4-]	0.58	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Di-n-butylphthalate	0.58	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Dinitro-2-methylphenol[4,6-]	2.8	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Dinitrophenol[2,4-]	2.8	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Dinitrotoluene[2,4-]	0.58	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Dinitrotoluene[2,6-]	0.084	MG/KG	J
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Di-n-octylphthalate	0.58	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Fluoranthene	0.58	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Fluorene	0.58	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Hexachlorobenzene	0.58	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Hexachlorobutadiene	0.58	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Hexachlorocyclopentadiene	0.58	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Hexachloroethane	0.58	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Indeno(1,2,3-cd)pyrene	0.58	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Isophorone	0.58	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Methylnaphthalene[2-]	0.58	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Methylphenol[2-]	0.58	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Methylphenol[4-]	0.58	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Naphthalene	0.58	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Nitroaniline[2-]	2.8	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Nitroaniline[3-]	2.8	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Nitroaniline[4-]	1	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Nitrobenzene	0.58	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Nitrophenol[2-]	0.58	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Nitrophenol[4-]	2.8	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Nitrosodimethylamine[N-]	0.58	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Nitroso-di-n-propylamine[N-]	0.58	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Nitrosodiphenylamine[N-]	0.58	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Oxybis(1-chloropropane)[2,2'-]	0.58	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Pentachlorophenol	2.8	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Phenanthrene	0.58	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Phenol	0.58	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Pyrene	0.58	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Trichlorobenzene[1,2,4-]	0.58	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Trichlorophenol[2,4,5-]	2.8	MG/KG	U
16-021(c)	16-1408	0316-95-0026	0	0.5	FT	SED	Trichlorophenol[2,4,6-]	0.58	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Acenaphthene	0.44	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Acenaphthylene	0.44	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Aniline	0.44	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Anthracene	0.44	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Azobenzene	0.44	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Benzo(a)anthracene	0.44	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Benzo(a)pyrene	0.44	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Benzo(b)fluoranthene	0.44	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Benzo(g,h,i)perylene	0.44	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Benzo(k)fluoranthene	0.44	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Benzoic Acid	4.4	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Benzyl Alcohol	1.7	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Bis(2-chloroethoxy)methane	0.44	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Bis(2-chloroethyl)ether	0.44	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Bis(2-ethylhexyl)phthalate	0.41	MG/KG	J
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Bromophenyl-phenylether[4-]	0.44	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Butylbenzylphthalate	0.44	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Chloro-3-methylphenol[4-]	0.88	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Chloroaniline[4-]	1.7	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Chloronaphthalene[2-]	0.44	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Chlorophenol[2-]	0.44	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Chlorophenyl-phenyl[4-] Ether	0.44	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Chrysene	0.44	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Dibenz(a,h)anthracene	0.44	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Dibenzofuran	0.44	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Dichlorobenzene[1,2-]	0.44	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Dichlorobenzene[1,3-]	0.44	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Dichlorobenzene[1,4-]	0.44	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Dichlorobenzidine[3,3'-]	0.88	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Dichlorophenol[2,4-]	0.44	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Diethylphthalate	0.44	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Dimethyl Phthalate	0.44	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Dimethylphenol[2,4-]	0.44	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Di-n-butylphthalate	0.44	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Dinitro-2-methylphenol[4,6-]	2.1	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Dinitrophenol[2,4-]	2.1	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Dinitrotoluene[2,4-]	0.048	MG/KG	J
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Dinitrotoluene[2,6-]	0.44	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Di-n-octylphthalate	0.44	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Fluoranthene	0.44	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Fluorene	0.44	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Hexachlorobenzene	0.44	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Hexachlorobutadiene	0.44	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Hexachlorocyclopentadiene	0.44	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Hexachloroethane	0.44	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Indeno(1,2,3-cd)pyrene	0.44	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Isophorone	0.44	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Methylnaphthalene[2-]	0.44	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Methylphenol[2-]	0.44	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Methylphenol[4-]	0.44	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Naphthalene	0.44	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Nitroaniline[2-]	2.1	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Nitroaniline[3-]	2.1	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Nitroaniline[4-]	0.8	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Nitrobenzene	0.44	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Nitrophenol[2-]	0.44	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Nitrophenol[4-]	2.1	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Nitrosodimethylamine[N-]	0.44	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Nitroso-di-n-propylamine[N-]	0.44	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Nitrosodiphenylamine[N-]	0.44	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Oxybis(1-chloropropane)[2,2'-]	0.44	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Pentachlorophenol	2.1	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Phenanthrene	0.44	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Phenol	0.44	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Pyrene	0.44	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Trichlorobenzene[1,2,4-]	0.44	MG/KG	U
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Trichlorophenol[2,4,5-]	2.1	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1379	0316-95-0027	0	0.5	FT	SED	Trichlorophenol[2,4,6-]	0.44	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Acenaphthene	13	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Acenaphthylene	13	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Aniline	13	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Anthracene	13	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Azobenzene	13	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Benzo(a)anthracene	13	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Benzo(a)pyrene	13	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Benzo(b)fluoranthene	13	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Benzo(g,h,i)perylene	13	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Benzo(k)fluoranthene	13	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Benzoic Acid	130	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Benzyl Alcohol	53	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Bis(2-chloroethoxy)methane	13	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Bis(2-chloroethyl)ether	13	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Bis(2-ethylhexyl)phthalate	4	MG/KG	J
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Bromophenyl-phenylether[4-]	13	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Butylbenzylphthalate	13	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Chloro-3-methylphenol[4-]	27	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Chloroaniline[4-]	53	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Chloronaphthalene[2-]	13	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Chlorophenol[2-]	13	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Chlorophenyl-phenyl[4-] Ether	13	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Chrysene	13	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Dibenz(a,h)anthracene	13	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Dibenzofuran	13	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Dichlorobenzene[1,2-]	13	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Dichlorobenzene[1,3-]	13	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Dichlorobenzene[1,4-]	13	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Dichlorobenzidine[3,3'-]	27	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Dichlorophenol[2,4-]	13	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Diethylphthalate	13	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Dimethyl Phthalate	13	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Dimethylphenol[2,4-]	13	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Di-n-butylphthalate	13	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Dinitro-2-methylphenol[4,6-]	65	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Dinitrophenol[2,4-]	65	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Dinitrotoluene[2,4-]	13	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Dinitrotoluene[2,6-]	13	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Di-n-octylphthalate	13	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Fluoranthene	13	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Fluorene	13	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Hexachlorobenzene	13	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Hexachlorobutadiene	13	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Hexachlorocyclopentadiene	13	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Hexachloroethane	13	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Indeno(1,2,3-cd)pyrene	13	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Isophorone	13	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Methylnaphthalene[2-]	13	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Methylphenol[2-]	13	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Methylphenol[4-]	13	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Naphthalene	13	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Nitroaniline[2-]	65	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Nitroaniline[3-]	65	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Nitroaniline[4-]	24	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Nitrobenzene	13	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Nitrophenol[2-]	13	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Nitrophenol[4-]	65	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Nitrosodimethylamine[N-]	13	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Nitroso-di-n-propylamine[N-]	13	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Nitrosodiphenylamine[N-]	13	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Oxybis(1-chloropropane)[2,2'-]	13	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Pentachlorophenol	65	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Phenanthrene	13	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Phenol	13	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Pyrene	13	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Trichlorobenzene[1,2,4-]	13	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Trichlorophenol[2,4,5-]	65	MG/KG	U
16-021(c)	16-1380	0316-95-0028	0	0.5	FT	SED	Trichlorophenol[2,4,6-]	13	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Acenaphthene	0.4	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Acenaphthylene	0.4	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Aniline	0.4	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Anthracene	0.4	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Azobenzene	0.4	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Benzo(a)anthracene	0.4	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Benzo(a)pyrene	0.4	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Benzo(b)fluoranthene	0.4	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Benzo(g,h,i)perylene	0.4	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Benzo(k)fluoranthene	0.4	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Benzoic Acid	4	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Benzyl Alcohol	1.6	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Bis(2-chloroethoxy)methane	0.4	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Bis(2-chloroethyl)ether	0.4	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Bis(2-ethylhexyl)phthalate	2.2	MG/KG	none
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Bromophenyl-phenylether[4-]	0.4	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Butylbenzylphthalate	0.4	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Chloro-3-methylphenol[4-]	0.8	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Chloroaniline[4-]	1.6	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Chloronaphthalene[2-]	0.4	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Chlorophenol[2-]	0.4	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Chlorophenyl-phenyl[4-] Ether	0.4	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Chrysene	0.4	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Dibenz(a,h)anthracene	0.4	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Dibenzofuran	0.4	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Dichlorobenzene[1,2-]	0.4	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Dichlorobenzene[1,3-]	0.4	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Dichlorobenzene[1,4-]	0.4	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Dichlorobenzidine[3,3'-]	0.8	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Dichlorophenol[2,4-]	0.4	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Diethylphthalate	0.4	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Dimethyl Phthalate	0.4	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Dimethylphenol[2,4-]	0.4	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Di-n-butylphthalate	0.4	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Dinitro-2-methylphenol[4,6-]	1.9	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Dinitrophenol[2,4-]	1.9	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Dinitrotoluene[2,4-]	0.09	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Dinitrotoluene[2,6-]	0.4	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Di-n-octylphthalate	0.054	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Fluoranthene	0.4	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Fluorene	0.4	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Hexachlorobenzene	0.4	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Hexachlorobutadiene	0.4	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Hexachlorocyclopentadiene	0.4	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Hexachloroethane	0.4	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Indeno(1,2,3-cd)pyrene	0.4	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Isophorone	0.4	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Methylnaphthalene[2-]	0.4	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Methylphenol[2-]	0.4	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Methylphenol[4-]	0.4	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Naphthalene	0.4	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Nitroaniline[2-]	1.9	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Nitroaniline[3-]	1.9	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Nitroaniline[4-]	0.72	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Nitrobenzene	0.4	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Nitrophenol[2-]	0.4	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Nitrophenol[4-]	1.9	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Nitrosodimethylamine[N-]	0.4	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Nitroso-di-n-propylamine[N-]	0.4	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Nitrosodiphenylamine[N-]	0.4	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Oxybis(1-chloropropane)[2,2'-]	0.4	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Pentachlorophenol	1.9	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Phenanthrene	0.4	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Phenol	0.4	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Pyrene	0.4	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Trichlorobenzene[1,2,4-]	0.4	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Trichlorophenol[2,4,5-]	1.9	MG/KG	U
16-021(c)	16-1381	0316-95-0029	0	0.5	FT	SED	Trichlorophenol[2,4,6-]	0.4	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Acenaphthene	2.3	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Acenaphthylene	2.3	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Aniline	2.3	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Anthracene	2.3	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Azobenzene	2.3	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Benzo(a)anthracene	2.3	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Benzo(a)pyrene	2.3	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Benzo(b)fluoranthene	2.3	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Benzo(g,h,i)perylene	2.3	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Benzo(k)fluoranthene	2.3	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Benzoic Acid	23	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Benzyl Alcohol	9	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Bis(2-chloroethoxy)methane	2.3	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Bis(2-chloroethyl)ether	2.3	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Bis(2-ethylhexyl)phthalate	9.3	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Bromophenyl-phenylether[4-]	2.3	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Butylbenzylphthalate	2.3	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Chloro-3-methylphenol[4-]	4.6	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Chloroaniline[4-]	9	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Chloronaphthalene[2-]	2.3	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Chlorophenol[2-]	2.3	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Chlorophenyl-phenyl[4-] Ether	2.3	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Chrysene	2.3	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Dibenz(a,h)anthracene	2.3	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Dibenzofuran	2.3	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Dichlorobenzene[1,2-]	2.3	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Dichlorobenzene[1,3-]	2.3	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Dichlorobenzene[1,4-]	2.3	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Dichlorobenzidine[3,3'-]	4.6	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Dichlorophenol[2,4-]	2.3	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Diethylphthalate	2.3	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Dimethyl Phthalate	2.3	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Dimethylphenol[2,4-]	2.3	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Di-n-butylphthalate	2.3	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Dinitro-2-methylphenol[4,6-]	11	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Dinitrophenol[2,4-]	11	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Dinitrotoluene[2,4-]	2.3	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Dinitrotoluene[2,6-]	2.3	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Di-n-octylphthalate	2.3	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Fluoranthene	2.3	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Fluorene	2.3	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Hexachlorobenzene	2.3	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Hexachlorobutadiene	2.3	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Hexachlorocyclopentadiene	2.3	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Hexachloroethane	2.3	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Indeno(1,2,3-cd)pyrene	2.3	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Isophorone	2.3	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Methylnaphthalene[2-]	2.3	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Methylphenol[2-]	2.3	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Methylphenol[4-]	2.3	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Naphthalene	2.3	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Nitroaniline[2-]	11	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Nitroaniline[3-]	11	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Nitroaniline[4-]	4.2	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Nitrobenzene	2.3	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Nitrophenol[2-]	2.3	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Nitrophenol[4-]	11	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Nitrosodimethylamine[N-]	2.3	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Nitroso-di-n-propylamine[N-]	2.3	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Nitrosodiphenylamine[N-]	2.3	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Oxybis(1-chloropropane)[2,2'-]	2.3	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Pentachlorophenol	11	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Phenanthrene	2.3	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Phenol	2.3	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Pyrene	2.3	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Trichlorobenzene[1,2,4-]	2.3	MG/KG	U
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Trichlorophenol[2,4,5-]	11	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1382	0316-95-0030	0	0.5	FT	SED	Trichlorophenol[2,4,6-]	2.3	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Acenaphthene	9.6	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Acenaphthylene	9.6	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Aniline	9.6	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Anthracene	3.3	MG/KG	J
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Azobenzene	9.6	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Benzo(a)anthracene	9.6	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Benzo(a)pyrene	9.6	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Benzo(b)fluoranthene	9.6	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Benzo(g,h,i)perylene	9.6	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Benzo(k)fluoranthene	9.6	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Benzoic Acid	96	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Benzyl Alcohol	38	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Bis(2-chloroethoxy)methane	9.6	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Bis(2-chloroethyl)ether	9.6	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Bis(2-ethylhexyl)phthalate	45	MG/KG	J
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Bromophenyl-phenylether[4-]	9.6	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Butylbenzylphthalate	9.6	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Chloro-3-methylphenol[4-]	19	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Chloroaniline[4-]	38	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Chloronaphthalene[2-]	9.6	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Chlorophenol[2-]	9.6	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Chlorophenyl-phenyl[4-] Ether	9.6	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Chrysene	9.6	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Dibenz(a,h)anthracene	9.6	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Dibenzofuran	9.6	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Dichlorobenzene[1,2-]	9.6	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Dichlorobenzene[1,3-]	9.6	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Dichlorobenzene[1,4-]	9.6	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Dichlorobenzidine[3,3'-]	19	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Dichlorophenol[2,4-]	9.6	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Diethylphthalate	9.6	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Dimethyl Phthalate	9.6	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Dimethylphenol[2,4-]	9.6	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Di-n-butylphthalate	9.6	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Dinitro-2-methylphenol[4,6-]	47	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Dinitrophenol[2,4-]	47	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Dinitrotoluene[2,4-]	9.6	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Dinitrotoluene[2,6-]	9.6	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Di-n-octylphthalate	9.6	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Fluoranthene	9.6	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Fluorene	9.6	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Hexachlorobenzene	9.6	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Hexachlorobutadiene	9.6	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Hexachlorocyclopentadiene	9.6	MG/KG	none
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Hexachloroethane	9.6	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Indeno(1,2,3-cd)pyrene	9.6	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Isophorone	9.6	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Methylnaphthalene[2-]	9.6	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Methylphenol[2-]	9.6	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Methylphenol[4-]	9.6	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Naphthalene	9.6	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Nitroaniline[2-]	47	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Nitroaniline[3-]	47	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Nitroaniline[4-]	18	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Nitrobenzene	9.6	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Nitrophenol[2-]	9.6	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Nitrophenol[4-]	47	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Nitrosodimethylamine[N-]	9.6	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Nitroso-di-n-propylamine[N-]	9.6	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Nitrosodiphenylamine[N-]	9.6	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Oxybis(1-chloropropane)[2,2'-]	9.6	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Pentachlorophenol	47	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Phenanthrene	9.6	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Phenol	9.6	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Pyrene	9.6	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Trichlorobenzene[1,2,4-]	9.6	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Trichlorophenol[2,4,5-]	47	MG/KG	U
16-021(c)	16-1383	0316-95-0031	0	0.5	FT	SED	Trichlorophenol[2,4,6-]	9.6	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Acenaphthene	2	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Acenaphthylene	2	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Aniline	2	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Anthracene	2	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Azobenzene	2	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Benzo(a)anthracene	2	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Benzo(a)pyrene	2	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Benzo(b)fluoranthene	2	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Benzo(g,h,i)perylene	2	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Benzo(k)fluoranthene	2	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Benzoic Acid	20	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Benzyl Alcohol	8	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Bis(2-chloroethoxy)methane	2	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Bis(2-chloroethyl)ether	2	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Bis(2-ethylhexyl)phthalate	16	MG/KG	none
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Bromophenyl-phenylether[4-]	2	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Butylbenzylphthalate	2	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Chloro-3-methylphenol[4-]	4.1	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Chloroaniline[4-]	8	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Chloronaphthalene[2-]	2	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Chlorophenol[2-]	2	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Chlorophenyl-phenyl[4-] Ether	2	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Chrysene	2	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Dibenz(a,h)anthracene	2	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Dibenzofuran	2	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Dichlorobenzene[1,2-]	2	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Dichlorobenzene[1,3-]	2	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Dichlorobenzene[1,4-]	2	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Dichlorobenzidine[3,3'-]	4.1	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Dichlorophenol[2,4-]	2	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Diethylphthalate	2	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Dimethyl Phthalate	2	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Dimethylphenol[2,4-]	2	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Di-n-butylphthalate	2	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Dinitro-2-methylphenol[4,6-]	9.9	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Dinitrophenol[2,4-]	9.9	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Dinitrotoluene[2,4-]	0.61	MG/KG	J
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Dinitrotoluene[2,6-]	2	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Di-n-octylphthalate	2	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Fluoranthene	2	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Fluorene	2	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Hexachlorobenzene	2	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Hexachlorobutadiene	2	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Hexachlorocyclopentadiene	2	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Hexachloroethane	2	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Indeno(1,2,3-cd)pyrene	2	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Isophorone	2	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Methylnaphthalene[2-]	2	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Methylphenol[2-]	2	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Methylphenol[4-]	2	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Naphthalene	2	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Nitroaniline[2-]	9.9	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Nitroaniline[3-]	9.9	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Nitroaniline[4-]	3.7	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Nitrobenzene	2	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Nitrophenol[2-]	2	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Nitrophenol[4-]	9.9	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Nitrosodimethylamine[N-]	2	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Nitroso-di-n-propylamine[N-]	2	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Nitrosodiphenylamine[N-]	2	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Oxybis(1-chloropropane)[2,2'-]	2	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Pentachlorophenol	9.9	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Phenanthrene	4.6	MG/KG	none
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Phenol	2	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Pyrene	2	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Trichlorobenzene[1,2,4-]	2	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Trichlorophenol[2,4,5-]	9.9	MG/KG	U
16-021(c)	16-1384	0316-95-0032	0	0.5	FT	SED	Trichlorophenol[2,4,6-]	2	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Acenaphthene	10	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Acenaphthylene	10	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Aniline	10	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Anthracene	6.9	MG/KG	J
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Azobenzene	10	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Benzo(a)anthracene	10	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Benzo(a)pyrene	10	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Benzo(b)fluoranthene	10	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Benzo(g,h,i)perylene	10	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Benzo(k)fluoranthene	10	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Benzoic Acid	100	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Benzyl Alcohol	40	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Bis(2-chloroethoxy)methane	10	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Bis(2-chloroethyl)ether	10	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Bis(2-ethylhexyl)phthalate	52	MG/KG	J
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Bromophenyl-phenylether[4-]	10	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Butylbenzylphthalate	10	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Chloro-3-methylphenol[4-]	20	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Chloroaniline[4-]	40	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Chloronaphthalene[2-]	10	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Chlorophenol[2-]	10	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Chlorophenyl-phenyl[4-] Ether	10	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Chrysene	10	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Dibenz(a,h)anthracene	10	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Dibenzofuran	10	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Dichlorobenzene[1,2-]	10	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Dichlorobenzene[1,3-]	10	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Dichlorobenzene[1,4-]	10	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Dichlorobenzidine[3,3'-]	20	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Dichlorophenol[2,4-]	10	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Diethylphthalate	10	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Dimethyl Phthalate	10	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Dimethylphenol[2,4-]	10	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Di-n-butylphthalate	10	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Dinitro-2-methylphenol[4,6-]	49	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Dinitrophenol[2,4-]	49	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Dinitrotoluene[2,4-]	10	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Dinitrotoluene[2,6-]	10	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Di-n-octylphthalate	10	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Fluoranthene	10	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Fluorene	10	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Hexachlorobenzene	10	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Hexachlorobutadiene	10	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Hexachlorocyclopentadiene	10	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Hexachloroethane	10	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Indeno(1,2,3-cd)pyrene	10	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Isophorone	10	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Methylnaphthalene[2-]	10	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Methylphenol[2-]	10	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Methylphenol[4-]	10	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Naphthalene	10	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Nitroaniline[2-]	49	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Nitroaniline[3-]	49	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Nitroaniline[4-]	18	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Nitrobenzene	10	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Nitrophenol[2-]	10	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Nitrophenol[4-]	49	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Nitrosodimethylamine[N-]	10	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Nitroso-di-n-propylamine[N-]	10	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Nitrosodiphenylamine[N-]	10	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Oxybis(1-chloropropane)[2,2'-]	10	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Pentachlorophenol	49	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Phenanthrene	10	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Phenol	10	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Pyrene	10	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Trichlorobenzene[1,2,4-]	10	MG/KG	U
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Trichlorophenol[2,4,5-]	49	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1385	0316-95-0033	0	0.5	FT	SED	Trichlorophenol[2,4,6-]	10	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Acenaphthene	9.2	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Acenaphthylene	9.2	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Aniline	9.2	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Anthracene	0.95	MG/KG	J
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Azobenzene	9.2	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Benzo(a)anthracene	9.2	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Benzo(a)pyrene	9.2	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Benzo(b)fluoranthene	9.2	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Benzo(g,h,i)perylene	9.2	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Benzo(k)fluoranthene	9.2	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Benzoic Acid	92	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Benzyl Alcohol	36	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Bis(2-chloroethoxy)methane	9.2	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Bis(2-chloroethyl)ether	9.2	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Bis(2-ethylhexyl)phthalate	23	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Bromophenyl-phenylether[4-]	9.2	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Butylbenzylphthalate	9.2	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Chloro-3-methylphenol[4-]	18	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Chloroaniline[4-]	36	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Chloronaphthalene[2-]	9.2	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Chlorophenol[2-]	9.2	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Chlorophenyl-phenyl[4-] Ether	9.2	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Chrysene	9.2	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Dibenz(a,h)anthracene	9.2	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Dibenzofuran	9.2	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Dichlorobenzene[1,2-]	9.2	MG/KG	none
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Dichlorobenzene[1,3-]	9.2	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Dichlorobenzene[1,4-]	9.2	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Dichlorobenzidine[3,3'-]	18	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Dichlorophenol[2,4-]	9.2	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Diethylphthalate	9.2	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Dimethyl Phthalate	9.2	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Dimethylphenol[2,4-]	9.2	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Di-n-butylphthalate	9.2	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Dinitro-2-methylphenol[4,6-]	44	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Dinitrophenol[2,4-]	44	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Dinitrotoluene[2,4-]	9.2	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Dinitrotoluene[2,6-]	9.2	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Di-n-octylphthalate	9.2	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Fluoranthene	9.2	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Fluorene	9.2	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Hexachlorobenzene	9.2	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Hexachlorobutadiene	9.2	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Hexachlorocyclopentadiene	9.2	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Hexachloroethane	9.2	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Indeno(1,2,3-cd)pyrene	9.2	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Isophorone	9.2	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Methylnaphthalene[2-]	9.2	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Methylphenol[2-]	9.2	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Methylphenol[4-]	9.2	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Naphthalene	9.2	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Nitroaniline[2-]	44	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Nitroaniline[3-]	44	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Nitroaniline[4-]	17	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Nitrobenzene	9.2	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Nitrophenol[2-]	9.2	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Nitrophenol[4-]	44	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Nitrosodimethylamine[N-]	9.2	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Nitroso-di-n-propylamine[N-]	9.2	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Nitrosodiphenylamine[N-]	9.2	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Oxybis(1-chloropropane)[2,2'-]	9.2	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Pentachlorophenol	44	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Phenanthrene	9.2	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Phenol	9.2	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Pyrene	9.2	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Trichlorobenzene[1,2,4-]	9.2	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Trichlorophenol[2,4,5-]	44	MG/KG	U
16-021(c)	16-1386	0316-95-0034	0	0.5	FT	SED	Trichlorophenol[2,4,6-]	9.2	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Acenaphthene	10	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Acenaphthylene	10	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Aniline	10	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Anthracene	1	MG/KG	J
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Azobenzene	10	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Benzo(a)anthracene	10	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Benzo(a)pyrene	10	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Benzo(b)fluoranthene	10	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Benzo(g,h,i)perylene	10	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Benzo(k)fluoranthene	10	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Benzoic Acid	100	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Benzyl Alcohol	39	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Bis(2-chloroethoxy)methane	10	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Bis(2-chloroethyl)ether	10	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Bis(2-ethylhexyl)phthalate	17	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Bromophenyl-phenylether[4-]	10	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Butylbenzylphthalate	10	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Chloro-3-methylphenol[4-]	20	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Chloroaniline[4-]	39	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Chloronaphthalene[2-]	10	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Chlorophenol[2-]	10	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Chlorophenyl-phenyl[4-] Ether	10	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Chrysene	10	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Dibenz(a,h)anthracene	10	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Dibenzofuran	10	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Dichlorobenzene[1,2-]	10	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Dichlorobenzene[1,3-]	10	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Dichlorobenzene[1,4-]	10	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Dichlorobenzidine[3,3'-]	20	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Dichlorophenol[2,4-]	10	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Diethylphthalate	10	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Dimethyl Phthalate	10	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Dimethylphenol[2,4-]	10	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Di-n-butylphthalate	10	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Dinitro-2-methylphenol[4,6-]	48	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Dinitrophenol[2,4-]	48	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Dinitrotoluene[2,4-]	10	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Dinitrotoluene[2,6-]	10	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Di-n-octylphthalate	10	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Fluoranthene	10	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Fluorene	10	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Hexachlorobenzene	10	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Hexachlorobutadiene	10	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Hexachlorocyclopentadiene	10	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Hexachloroethane	10	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Indeno(1,2,3-cd)pyrene	10	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Isophorone	10	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Methylnaphthalene[2-]	10	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Methylphenol[2-]	10	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Methylphenol[4-]	10	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Naphthalene	10	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Nitroaniline[2-]	48	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Nitroaniline[3-]	48	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Nitroaniline[4-]	18	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Nitrobenzene	1	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Nitrophenol[2-]	10	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Nitrophenol[4-]	48	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Nitrosodimethylamine[N-]	10	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Nitroso-di-n-propylamine[N-]	10	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Nitrosodiphenylamine[N-]	10	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Oxybis(1-chloropropane)[2,2'-]	10	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Pentachlorophenol	48	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Phenanthrene	10	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Phenol	10	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Pyrene	10	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Trichlorobenzene[1,2,4-]	10	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Trichlorophenol[2,4,5-]	48	MG/KG	U
16-021(c)	16-1387	0316-95-0035	0	0.5	FT	SED	Trichlorophenol[2,4,6-]	10	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Acenaphthene	10	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Acenaphthylene	10	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Aniline	10	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Anthracene	10	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Azobenzene	10	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Benzo(a)anthracene	10	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Benzo(a)pyrene	10	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Benzo(b)fluoranthene	10	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Benzo(g,h,i)perylene	10	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Benzo(k)fluoranthene	10	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Benzoic Acid	100	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Benzyl Alcohol	41	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Bis(2-chloroethoxy)methane	10	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Bis(2-chloroethyl)ether	10	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Bis(2-ethylhexyl)phthalate	22	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Bromophenyl-phenylether[4-]	10	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Butylbenzylphthalate	10	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Chloro-3-methylphenol[4-]	21	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Chloroaniline[4-]	41	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Chloronaphthalene[2-]	10	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Chlorophenol[2-]	10	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Chlorophenyl-phenyl[4-] Ether	10	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Chrysene	10	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Dibenz(a,h)anthracene	10	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Dibenzofuran	10	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Dichlorobenzene[1,2-]	10	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Dichlorobenzene[1,3-]	10	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Dichlorobenzene[1,4-]	10	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Dichlorobenzidine[3,3'-]	21	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Dichlorophenol[2,4-]	10	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Diethylphthalate	10	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Dimethyl Phthalate	10	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Dimethylphenol[2,4-]	10	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Di-n-butylphthalate	10	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Dinitro-2-methylphenol[4,6-]	50	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Dinitrophenol[2,4-]	50	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Dinitrotoluene[2,4-]	10	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Dinitrotoluene[2,6-]	10	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Di-n-octylphthalate	10	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Fluoranthene	10	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Fluorene	10	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Hexachlorobenzene	10	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Hexachlorobutadiene	10	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Hexachlorocyclopentadiene	10	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Hexachloroethane	10	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Indeno(1,2,3-cd)pyrene	10	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Isophorone	10	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Methylnaphthalene[2-]	10	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Methylphenol[2-]	10	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Methylphenol[4-]	10	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Naphthalene	10	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Nitroaniline[2-]	50	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Nitroaniline[3-]	50	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Nitroaniline[4-]	19	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Nitrobenzene	10	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Nitrophenol[2-]	10	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Nitrophenol[4-]	50	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Nitrosodimethylamine[N-]	10	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Nitroso-di-n-propylamine[N-]	10	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Nitrosodiphenylamine[N-]	10	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Oxybis(1-chloropropane)[2,2'-]	10	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Pentachlorophenol	50	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Phenanthrene	10	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Phenol	10	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Pyrene	10	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Trichlorobenzene[1,2,4-]	10	MG/KG	U
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Trichlorophenol[2,4,5-]	50	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1388	0316-95-0036	0	0.5	FT	SED	Trichlorophenol[2,4,6-]	10	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Acenaphthene	4.8	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Acenaphthylene	4.8	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Aniline	4.8	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Anthracene	0.87	MG/KG	J
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Azobenzene	4.8	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Benzo(a)anthracene	4.8	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Benzo(a)pyrene	4.8	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Benzo(b)fluoranthene	4.8	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Benzo(g,h,i)perylene	4.8	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Benzo(k)fluoranthene	4.8	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Benzoic Acid	48	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Benzyl Alcohol	19	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Bis(2-chloroethoxy)methane	4.8	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Bis(2-chloroethyl)ether	4.8	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Bis(2-ethylhexyl)phthalate	12	MG/KG	J
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Bromophenyl-phenylether[4-]	4.8	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Butylbenzylphthalate	4.8	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Chloro-3-methylphenol[4-]	9.5	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Chloroaniline[4-]	19	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Chloronaphthalene[2-]	4.8	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Chlorophenol[2-]	4.8	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Chlorophenyl-phenyl[4-] Ether	4.8	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Chrysene	4.8	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Dibenz(a,h)anthracene	4.8	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Dibenzofuran	4.8	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Dichlorobenzene[1,2-]	4.8	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Dichlorobenzene[1,3-]	4.8	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Dichlorobenzene[1,4-]	4.8	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Dichlorobenzidine[3,3'-]	9.5	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Dichlorophenol[2,4-]	4.8	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Diethylphthalate	4.8	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Dimethyl Phthalate	4.8	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Dimethylphenol[2,4-]	4.8	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Di-n-butylphthalate	4.8	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Dinitro-2-methylphenol[4,6-]	23	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Dinitrophenol[2,4-]	23	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Dinitrotoluene[2,4-]	0.79	MG/KG	J
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Dinitrotoluene[2,6-]	4.8	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Di-n-octylphthalate	4.8	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Fluoranthene	4.8	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Fluorene	4.8	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Hexachlorobenzene	4.8	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Hexachlorobutadiene	4.8	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Hexachlorocyclopentadiene	4.8	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Hexachloroethane	4.8	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Indeno(1,2,3-cd)pyrene	4.8	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Isophorone	4.8	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Methylnaphthalene[2-]	4.8	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Methylphenol[2-]	4.8	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Methylphenol[4-]	4.8	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Naphthalene	4.8	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Nitroaniline[2-]	23	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Nitroaniline[3-]	23	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Nitroaniline[4-]	8.6	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Nitrobenzene	4.8	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Nitrophenol[2-]	4.8	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Nitrophenol[4-]	23	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Nitrosodimethylamine[N-]	4.8	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Nitroso-di-n-propylamine[N-]	4.8	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Nitrosodiphenylamine[N-]	4.8	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Oxybis(1-chloropropane)[2,2'-]	4.8	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Pentachlorophenol	23	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Phenanthrene	4.8	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Phenol	4.8	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Pyrene	4.8	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Trichlorobenzene[1,2,4-]	4.8	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Trichlorophenol[2,4,5-]	23	MG/KG	U
16-021(c)	16-1389	0316-95-0037	0	0.5	FT	SED	Trichlorophenol[2,4,6-]	4.8	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Acenaphthene	0.45	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Acenaphthylene	0.45	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Aniline	0.45	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Anthracene	0.45	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Azobenzene	0.45	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Benzo(a)anthracene	0.45	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Benzo(a)pyrene	0.45	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Benzo(b)fluoranthene	0.45	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Benzo(g,h,i)perylene	0.45	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Benzo(k)fluoranthene	0.45	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Benzoic Acid	4.5	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Benzyl Alcohol	1.8	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Bis(2-chloroethoxy)methane	0.45	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Bis(2-chloroethyl)ether	0.45	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Bis(2-ethylhexyl)phthalate	4.8	MG/KG	none
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Bromophenyl-phenylether[4-]	0.45	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Butylbenzylphthalate	0.45	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Chloro-3-methylphenol[4-]	0.91	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Chloroaniline[4-]	1.8	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Chloronaphthalene[2-]	0.45	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Chlorophenol[2-]	0.45	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Chlorophenyl-phenyl[4-] Ether	0.45	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Chrysene	0.45	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Dibenz(a,h)anthracene	0.45	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Dibenzofuran	0.45	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Dichlorobenzene[1,2-]	0.45	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Dichlorobenzene[1,3-]	0.45	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Dichlorobenzene[1,4-]	0.45	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Dichlorobenzidine[3,3'-]	0.91	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Dichlorophenol[2,4-]	0.45	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Diethylphthalate	0.45	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Dimethyl Phthalate	0.45	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Dimethylphenol[2,4-]	0.45	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Di-n-butylphthalate	0.45	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Dinitro-2-methylphenol[4,6-]	2.2	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Dinitrophenol[2,4-]	2.2	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Dinitrotoluene[2,4-]	0.79	MG/KG	none
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Dinitrotoluene[2,6-]	0.34	MG/KG	J
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Di-n-octylphthalate	0.45	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Fluoranthene	0.45	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Fluorene	0.45	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Hexachlorobenzene	0.45	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Hexachlorobutadiene	0.45	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Hexachlorocyclopentadiene	0.45	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Hexachloroethane	0.45	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Indeno(1,2,3-cd)pyrene	0.45	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Isophorone	0.45	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Methylnaphthalene[2-]	0.45	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Methylphenol[2-]	0.45	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Methylphenol[4-]	0.45	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Naphthalene	0.45	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Nitroaniline[2-]	2.2	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Nitroaniline[3-]	2.2	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Nitroaniline[4-]	0.82	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Nitrobenzene	0.45	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Nitrophenol[2-]	0.45	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Nitrophenol[4-]	2.2	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Nitrosodimethylamine[N-]	0.45	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Nitroso-di-n-propylamine[N-]	0.45	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Nitrosodiphenylamine[N-]	0.057	MG/KG	J
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Oxybis(1-chloropropane)[2,2'-]	0.45	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Pentachlorophenol	2.2	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Phenanthrene	0.23	MG/KG	J
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Phenol	0.45	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Pyrene	0.071	MG/KG	J
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Trichlorobenzene[1,2,4-]	0.45	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Trichlorophenol[2,4,5-]	2.2	MG/KG	U
16-021(c)	16-1390	0316-95-0038	0	0.5	FT	SED	Trichlorophenol[2,4,6-]	0.45	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Acenaphthene	0.81	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Acenaphthylene	0.81	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Aniline	0.81	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Anthracene	0.81	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Azobenzene	0.81	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Benzo(a)anthracene	0.81	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Benzo(a)pyrene	0.81	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Benzo(b)fluoranthene	0.81	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Benzo(g,h,i)perylene	0.81	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Benzo(k)fluoranthene	0.81	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Benzoic Acid	8.1	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Benzyl Alcohol	3.2	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Bis(2-chloroethoxy)methane	0.81	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Bis(2-chloroethyl)ether	0.81	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Bis(2-ethylhexyl)phthalate	0.59	MG/KG	J
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Bromophenyl-phenylether[4-]	0.81	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Butylbenzylphthalate	0.81	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Chloro-3-methylphenol[4-]	1.6	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Chloroaniline[4-]	3.2	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Chloronaphthalene[2-]	0.81	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Chlorophenol[2-]	0.81	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Chlorophenyl-phenyl[4-] Ether	0.81	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Chrysene	0.81	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Dibenz(a,h)anthracene	0.81	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Dibenzofuran	0.81	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Dichlorobenzene[1,2-]	0.81	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Dichlorobenzene[1,3-]	0.81	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Dichlorobenzene[1,4-]	0.81	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Dichlorobenzidine[3,3'-]	1.6	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Dichlorophenol[2,4-]	0.81	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Diethylphthalate	0.81	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Dimethyl Phthalate	0.81	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Dimethylphenol[2,4-]	0.81	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Di-n-butylphthalate	0.81	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Dinitro-2-methylphenol[4,6-]	3.9	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Dinitrophenol[2,4-]	3.9	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Dinitrotoluene[2,4-]	0.2	MG/KG	J
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Dinitrotoluene[2,6-]	0.81	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Di-n-octylphthalate	0.81	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Fluoranthene	0.81	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Fluorene	0.81	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Hexachlorobenzene	0.81	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Hexachlorobutadiene	0.81	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Hexachlorocyclopentadiene	0.81	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Hexachloroethane	0.81	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Indeno(1,2,3-cd)pyrene	0.81	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Isophorone	0.81	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Methylnaphthalene[2-]	0.81	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Methylphenol[2-]	0.81	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Methylphenol[4-]	0.81	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Naphthalene	0.81	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Nitroaniline[2-]	3.9	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Nitroaniline[3-]	3.9	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Nitroaniline[4-]	1.5	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Nitrobenzene	0.81	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Nitrophenol[2-]	0.81	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Nitrophenol[4-]	3.9	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Nitrosodimethylamine[N-]	0.81	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Nitroso-di-n-propylamine[N-]	0.81	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Nitrosodiphenylamine[N-]	0.81	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Oxybis(1-chloropropane)[2,2'-]	0.81	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Pentachlorophenol	3.9	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Phenanthrene	0.81	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Phenol	0.81	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Pyrene	0.81	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Trichlorobenzene[1,2,4-]	0.81	MG/KG	U
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Trichlorophenol[2,4,5-]	3.9	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1391	0316-95-0039	0	0.5	FT	SED	Trichlorophenol[2,4,6-]	0.81	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Acenaphthene	0.51	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Acenaphthylene	0.51	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Aniline	0.51	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Anthracene	0.51	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Azobenzene	0.51	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Benzo(a)anthracene	0.51	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Benzo(a)pyrene	0.51	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Benzo(b)fluoranthene	0.51	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Benzo(g,h,i)perylene	0.51	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Benzo(k)fluoranthene	0.51	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Benzoic Acid	5.1	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Benzyl Alcohol	2	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Bis(2-chloroethoxy)methane	0.51	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Bis(2-chloroethyl)ether	0.51	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Bis(2-ethylhexyl)phthalate	1.4	MG/KG	none
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Bromophenyl-phenylether[4-]	0.51	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Butylbenzylphthalate	0.51	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Chloro-3-methylphenol[4-]	1	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Chloroaniline[4-]	2	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Chloronaphthalene[2-]	0.51	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Chlorophenol[2-]	0.51	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Chlorophenyl-phenyl[4-] Ether	0.51	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Chrysene	0.51	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Dibenz(a,h)anthracene	0.51	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Dibenzofuran	0.51	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Dichlorobenzene[1,2-]	0.51	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Dichlorobenzene[1,3-]	0.51	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Dichlorobenzene[1,4-]	0.51	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Dichlorobenzidine[3,3'-]	1	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Dichlorophenol[2,4-]	0.51	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Diethylphthalate	0.51	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Dimethyl Phthalate	0.51	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Dimethylphenol[2,4-]	0.51	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Di-n-butylphthalate	0.51	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Dinitro-2-methylphenol[4,6-]	2.4	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Dinitrophenol[2,4-]	2.4	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Dinitrotoluene[2,4-]	0.5	MG/KG	J
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Dinitrotoluene[2,6-]	0.2	MG/KG	J
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Di-n-octylphthalate	0.51	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Fluoranthene	0.51	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Fluorene	0.51	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Hexachlorobenzene	0.51	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Hexachlorobutadiene	0.51	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Hexachlorocyclopentadiene	0.51	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Hexachloroethane	0.51	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Indeno(1,2,3-cd)pyrene	0.51	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Isophorone	0.51	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Methylnaphthalene[2-]	0.51	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Methylphenol[2-]	0.51	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Methylphenol[4-]	0.51	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Naphthalene	0.51	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Nitroaniline[2-]	2.4	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Nitroaniline[3-]	2.4	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Nitroaniline[4-]	0.92	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Nitrobenzene	0.51	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Nitrophenol[2-]	0.51	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Nitrophenol[4-]	2.4	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Nitrosodimethylamine[N-]	0.51	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Nitroso-di-n-propylamine[N-]	0.51	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Nitrosodiphenylamine[N-]	0.51	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Oxybis(1-chloropropane)[2,2'-]	0.51	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Pentachlorophenol	2.4	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Phenanthrene	0.51	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Phenol	0.51	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Pyrene	0.51	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Trichlorobenzene[1,2,4-]	0.51	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Trichlorophenol[2,4,5-]	2.4	MG/KG	U
16-021(c)	16-1392	0316-95-0040	0	0.5	FT	SED	Trichlorophenol[2,4,6-]	0.51	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Acenaphthene	0.39	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Acenaphthylene	0.39	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Aniline	0.39	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Anthracene	0.39	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Azobenzene	0.39	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Benzo(a)anthracene	0.39	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Benzo(a)pyrene	0.39	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Benzo(b)fluoranthene	0.39	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Benzo(g,h,i)perylene	0.39	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Benzo(k)fluoranthene	0.39	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Benzoic Acid	3.9	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Benzyl Alcohol	1.5	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Bis(2-chloroethoxy)methane	0.39	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Bis(2-chloroethyl)ether	0.39	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Bis(2-ethylhexyl)phthalate	0.77	MG/KG	none
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Bromophenyl-phenylether[4-]	0.39	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Butylbenzylphthalate	0.39	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Chloro-3-methylphenol[4-]	0.78	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Chloroaniline[4-]	1.5	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Chloronaphthalene[2-]	0.39	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Chlorophenol[2-]	0.39	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Chlorophenyl-phenyl[4-] Ether	0.39	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Chrysene	0.39	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Dibenz(a,h)anthracene	0.39	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Dibenzofuran	0.39	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Dichlorobenzene[1,2-]	0.39	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Dichlorobenzene[1,3-]	0.39	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Dichlorobenzene[1,4-]	0.39	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Dichlorobenzidine[3,3'-]	0.78	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Dichlorophenol[2,4-]	0.39	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Diethylphthalate	0.39	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Dimethyl Phthalate	0.39	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Dimethylphenol[2,4-]	0.39	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Di-n-butylphthalate	0.39	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Dinitro-2-methylphenol[4,6-]	1.9	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Dinitrophenol[2,4-]	1.9	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Dinitrotoluene[2,4-]	0.28	MG/KG	J
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Dinitrotoluene[2,6-]	0.089	MG/KG	J
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Di-n-octylphthalate	0.39	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Fluoranthene	0.39	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Fluorene	0.39	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Hexachlorobenzene	0.39	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Hexachlorobutadiene	0.39	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Hexachlorocyclopentadiene	0.39	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Hexachloroethane	0.39	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Indeno(1,2,3-cd)pyrene	0.39	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Isophorone	0.39	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Methylnaphthalene[2-]	0.39	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Methylphenol[2-]	0.39	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Methylphenol[4-]	0.39	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Naphthalene	0.39	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Nitroaniline[2-]	1.9	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Nitroaniline[3-]	1.9	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Nitroaniline[4-]	0.71	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Nitrobenzene	0.39	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Nitrophenol[2-]	0.39	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Nitrophenol[4-]	1.9	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Nitrosodimethylamine[N-]	0.39	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Nitroso-di-n-propylamine[N-]	0.39	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Nitrosodiphenylamine[N-]	0.39	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Oxybis(1-chloropropane)[2,2'-]	0.39	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Pentachlorophenol	1.9	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Phenanthrene	0.052	MG/KG	J
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Phenol	0.39	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Pyrene	0.39	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Trichlorobenzene[1,2,4-]	0.39	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Trichlorophenol[2,4,5-]	1.9	MG/KG	U
16-021(c)	16-1393	0316-95-0041	0	0.5	FT	SED	Trichlorophenol[2,4,6-]	0.39	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Acenaphthene	0.44	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Acenaphthylene	0.44	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Aniline	0.44	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Anthracene	0.44	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Azobenzene	0.44	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Benzo(a)anthracene	0.44	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Benzo(a)pyrene	0.44	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Benzo(b)fluoranthene	0.44	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Benzo(g,h,i)perylene	0.44	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Benzo(k)fluoranthene	0.44	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Benzoic Acid	4.4	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Benzyl Alcohol	1.7	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Bis(2-chloroethoxy)methane	0.44	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Bis(2-chloroethyl)ether	0.44	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Bis(2-ethylhexyl)phthalate	0.86	MG/KG	none
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Bromophenyl-phenylether[4-]	0.44	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Butylbenzylphthalate	0.44	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Chloro-3-methylphenol[4-]	0.88	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Chloroaniline[4-]	1.7	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Chloronaphthalene[2-]	0.44	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Chlorophenol[2-]	0.44	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Chlorophenyl-phenyl[4-] Ether	0.44	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Chrysene	0.44	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Dibenz(a,h)anthracene	0.44	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Dibenzofuran	0.44	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Dichlorobenzene[1,2-]	0.44	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Dichlorobenzene[1,3-]	0.44	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Dichlorobenzene[1,4-]	0.44	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Dichlorobenzidine[3,3'-]	0.88	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Dichlorophenol[2,4-]	0.44	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Diethylphthalate	0.44	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Dimethyl Phthalate	0.44	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Dimethylphenol[2,4-]	0.44	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Di-n-butylphthalate	0.44	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Dinitro-2-methylphenol[4,6-]	2.1	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Dinitrophenol[2,4-]	2.1	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Dinitrotoluene[2,4-]	0.33	MG/KG	J
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Dinitrotoluene[2,6-]	0.1	MG/KG	J

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Di-n-octylphthalate	0.44	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Fluoranthene	0.44	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Fluorene	0.44	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Hexachlorobenzene	0.44	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Hexachlorobutadiene	0.44	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Hexachlorocyclopentadiene	0.44	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Hexachloroethane	0.44	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Indeno(1,2,3-cd)pyrene	0.44	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Isophorone	0.44	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Methylnaphthalene[2-]	0.44	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Methylphenol[2-]	0.44	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Methylphenol[4-]	0.44	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Naphthalene	0.44	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Nitroaniline[2-]	2.1	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Nitroaniline[3-]	2.1	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Nitroaniline[4-]	0.8	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Nitrobenzene	0.44	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Nitrophenol[2-]	0.44	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Nitrophenol[4-]	2.1	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Nitrosodimethylamine[N-]	0.44	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Nitroso-di-n-propylamine[N-]	0.44	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Nitrosodiphenylamine[N-]	0.44	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Oxybis(1-chloropropane)[2,2'-]	0.44	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Pentachlorophenol	2.1	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Phenanthrene	0.44	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Phenol	0.44	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Pyrene	0.44	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Trichlorobenzene[1,2,4-]	0.44	MG/KG	U
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Trichlorophenol[2,4,5-]	2.1	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1394	0316-95-0042	0	0.5	FT	SED	Trichlorophenol[2,4,6-]	0.44	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Acenaphthene	0.43	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Acenaphthylene	0.43	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Aniline	0.43	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Anthracene	0.43	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Azobenzene	0.43	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Benzo(a)anthracene	0.43	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Benzo(a)pyrene	0.43	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Benzo(b)fluoranthene	0.43	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Benzo(g,h,i)perylene	0.43	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Benzo(k)fluoranthene	0.43	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Benzoic Acid	4.3	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Benzyl Alcohol	1.7	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Bis(2-chloroethoxy)methane	0.43	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Bis(2-chloroethyl)ether	0.43	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Bis(2-ethylhexyl)phthalate	0.45	MG/KG	none
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Bromophenyl-phenylether[4-]	0.43	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Butylbenzylphthalate	0.43	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Chloro-3-methylphenol[4-]	0.86	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Chloroaniline[4-]	1.7	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Chloronaphthalene[2-]	0.43	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Chlorophenol[2-]	0.43	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Chlorophenyl-phenyl[4-] Ether	0.43	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Chrysene	0.43	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Dibenz(a,h)anthracene	0.43	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Dibenzofuran	0.43	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Dichlorobenzene[1,2-]	0.43	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Dichlorobenzene[1,3-]	0.43	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Dichlorobenzene[1,4-]	0.43	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Dichlorobenzidine[3,3'-]	0.86	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Dichlorophenol[2,4-]	0.43	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Diethylphthalate	0.43	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Dimethyl Phthalate	0.43	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Dimethylphenol[2,4-]	0.43	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Di-n-butylphthalate	0.43	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Dinitro-2-methylphenol[4,6-]	2.1	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Dinitrophenol[2,4-]	2.1	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Dinitrotoluene[2,4-]	0.28	MG/KG	J
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Dinitrotoluene[2,6-]	0.053	MG/KG	J
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Di-n-octylphthalate	0.43	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Fluoranthene	0.43	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Fluorene	0.43	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Hexachlorobenzene	0.43	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Hexachlorobutadiene	0.43	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Hexachlorocyclopentadiene	0.43	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Hexachloroethane	0.43	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Indeno(1,2,3-cd)pyrene	0.43	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Isophorone	0.43	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Methylnaphthalene[2-]	0.43	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Methylphenol[2-]	0.43	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Methylphenol[4-]	0.43	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Naphthalene	0.43	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Nitroaniline[2-]	2.1	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Nitroaniline[3-]	2.1	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Nitroaniline[4-]	0.78	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Nitrobenzene	0.43	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Nitrophenol[2-]	0.43	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Nitrophenol[4-]	2.1	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Nitrosodimethylamine[N-]	0.43	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Nitroso-di-n-propylamine[N-]	0.43	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Nitrosodiphenylamine[N-]	0.43	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Oxybis(1-chloropropane)[2,2'-]	0.43	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Pentachlorophenol	2.1	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Phenanthrene	0.43	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Phenol	0.43	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Pyrene	0.43	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Trichlorobenzene[1,2,4-]	0.43	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Trichlorophenol[2,4,5-]	2.1	MG/KG	U
16-021(c)	16-1395	0316-95-0043	0	0.5	FT	SED	Trichlorophenol[2,4,6-]	0.43	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Acenaphthene	110	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Acenaphthylene	110	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Aniline	110	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Anthracene	110	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Azobenzene	110	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Benzo(a)anthracene	110	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Benzo(a)pyrene	110	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Benzo(b)fluoranthene	110	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Benzo(g,h,i)perylene	110	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Benzo(k)fluoranthene	110	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Benzoic Acid	1100	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Benzyl Alcohol	450	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Bis(2-chloroethoxy)methane	110	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Bis(2-chloroethyl)ether	110	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Bis(2-ethylhexyl)phthalate	4600	MG/KG	none
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Bromophenyl-phenylether[4-]	110	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Butylbenzylphthalate	110	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Chloro-3-methylphenol[4-]	230	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Chloroaniline[4-]	450	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Chloronaphthalene[2-]	110	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Chlorophenol[2-]	110	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Chlorophenyl-phenyl[4-] Ether	110	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Chrysene	110	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Dibenz(a,h)anthracene	110	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Dibenzofuran	110	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Dichlorobenzene[1,2-]	110	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Dichlorobenzene[1,3-]	110	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Dichlorobenzene[1,4-]	110	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Dichlorobenzidine[3,3'-]	230	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Dichlorophenol[2,4-]	110	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Diethylphthalate	110	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Dimethyl Phthalate	110	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Dimethylphenol[2,4-]	110	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Di-n-butylphthalate	110	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Dinitro-2-methylphenol[4,6-]	550	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Dinitrophenol[2,4-]	550	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Dinitrotoluene[2,4-]	110	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Dinitrotoluene[2,6-]	110	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Di-n-octylphthalate	110	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Fluoranthene	110	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Fluorene	110	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Hexachlorobenzene	110	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Hexachlorobutadiene	110	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Hexachlorocyclopentadiene	110	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Hexachloroethane	110	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Indeno(1,2,3-cd)pyrene	110	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Isophorone	110	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Methylnaphthalene[2-]	110	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Methylphenol[2-]	110	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Methylphenol[4-]	110	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Naphthalene	110	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Nitroaniline[2-]	550	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Nitroaniline[3-]	550	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Nitroaniline[4-]	210	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Nitrobenzene	110	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Nitrophenol[2-]	110	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Nitrophenol[4-]	550	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Nitrosodimethylamine[N-]	110	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Nitroso-di-n-propylamine[N-]	110	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Nitrosodiphenylamine[N-]	110	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Oxybis(1-chloropropane)[2,2'-]	110	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Pentachlorophenol	550	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Phenanthrene	110	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Phenol	110	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Pyrene	110	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Trichlorobenzene[1,2,4-]	110	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Trichlorophenol[2,4,5-]	550	MG/KG	U
16-021(c)	16-1379	0316-95-0044	1	1.5	FT	SED	Trichlorophenol[2,4,6-]	110	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Acenaphthene	120	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Acenaphthylene	120	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Aniline	120	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Anthracene	260	MG/KG	none
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Azobenzene	120	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Benzo(a)anthracene	120	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Benzo(a)pyrene	120	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Benzo(b)fluoranthene	120	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Benzo(g,h,i)perylene	120	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Benzo(k)fluoranthene	120	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Benzoic Acid	1200	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Benzyl Alcohol	460	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Bis(2-chloroethoxy)methane	120	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Bis(2-chloroethyl)ether	120	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Bis(2-ethylhexyl)phthalate	120	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Bromophenyl-phenylether[4-]	120	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Butylbenzylphthalate	120	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Chloro-3-methylphenol[4-]	230	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Chloroaniline[4-]	460	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Chloronaphthalene[2-]	120	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Chlorophenol[2-]	120	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Chlorophenyl-phenyl[4-] Ether	120	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Chrysene	120	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Dibenz(a,h)anthracene	120	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Dibenzofuran	120	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Dichlorobenzene[1,2-]	120	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Dichlorobenzene[1,3-]	120	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Dichlorobenzene[1,4-]	120	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Dichlorobenzidine[3,3'-]	230	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Dichlorophenol[2,4-]	120	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Diethylphthalate	120	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Dimethyl Phthalate	120	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Dimethylphenol[2,4-]	120	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Di-n-butylphthalate	120	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Dinitro-2-methylphenol[4,6-]	560	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Dinitrophenol[2,4-]	560	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Dinitrotoluene[2,4-]	120	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Dinitrotoluene[2,6-]	120	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Di-n-octylphthalate	120	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Fluoranthene	120	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Fluorene	120	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Hexachlorobenzene	120	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Hexachlorobutadiene	120	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Hexachlorocyclopentadiene	120	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Hexachloroethane	120	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Indeno(1,2,3-cd)pyrene	120	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Isophorone	120	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Methylnaphthalene[2-]	120	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Methylphenol[2-]	120	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Methylphenol[4-]	120	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Naphthalene	120	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Nitroaniline[2-]	560	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Nitroaniline[3-]	560	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Nitroaniline[4-]	210	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Nitrobenzene	120	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Nitrophenol[2-]	120	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Nitrophenol[4-]	560	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Nitrosodimethylamine[N-]	120	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Nitroso-di-n-propylamine[N-]	120	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Nitrosodiphenylamine[N-]	120	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Oxybis(1-chloropropane)[2,2'-]	120	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Pentachlorophenol	560	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Phenanthrene	120	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Phenol	120	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Pyrene	120	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Trichlorobenzene[1,2,4-]	120	MG/KG	U
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Trichlorophenol[2,4,5-]	560	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1382	0316-95-0045	1.5	1.9	FT	SED	Trichlorophenol[2,4,6-]	120	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Acenaphthene	130	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Acenaphthylene	130	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Aniline	130	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Anthracene	540	MG/KG	none
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Azobenzene	130	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Benzo(a)anthracene	130	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Benzo(a)pyrene	130	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Benzo(b)fluoranthene	130	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Benzo(g,h,i)perylene	130	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Benzo(k)fluoranthene	130	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Benzoic Acid	1300	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Benzyl Alcohol	500	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Bis(2-chloroethoxy)methane	130	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Bis(2-chloroethyl)ether	130	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Bis(2-ethylhexyl)phthalate	150	MG/KG	none
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Bromophenyl-phenylether[4-]	130	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Butylbenzylphthalate	130	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Chloro-3-methylphenol[4-]	260	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Chloroaniline[4-]	500	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Chloronaphthalene[2-]	130	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Chlorophenol[2-]	130	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Chlorophenyl-phenyl[4-] Ether	130	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Chrysene	130	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Dibenz(a,h)anthracene	130	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Dibenzofuran	130	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Dichlorobenzene[1,2-]	130	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Dichlorobenzene[1,3-]	130	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Dichlorobenzene[1,4-]	130	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Dichlorobenzidine[3,3'-]	260	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Dichlorophenol[2,4-]	130	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Diethylphthalate	130	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Dimethyl Phthalate	130	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Dimethylphenol[2,4-]	130	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Di-n-butylphthalate	130	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Dinitro-2-methylphenol[4,6-]	620	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Dinitrophenol[2,4-]	620	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Dinitrotoluene[2,4-]	130	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Dinitrotoluene[2,6-]	130	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Di-n-octylphthalate	130	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Fluoranthene	130	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Fluorene	130	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Hexachlorobenzene	130	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Hexachlorobutadiene	130	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Hexachlorocyclopentadiene	130	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Hexachloroethane	130	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Indeno(1,2,3-cd)pyrene	130	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Isophorone	130	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Methylnaphthalene[2-]	130	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Methylphenol[2-]	130	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Methylphenol[4-]	130	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Naphthalene	130	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Nitroaniline[2-]	620	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Nitroaniline[3-]	620	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Nitroaniline[4-]	230	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Nitrobenzene	130	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Nitrophenol[2-]	130	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Nitrophenol[4-]	620	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Nitrosodimethylamine[N-]	130	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Nitroso-di-n-propylamine[N-]	130	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Nitrosodiphenylamine[N-]	130	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Oxybis(1-chloropropane)[2,2'-]	130	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Pentachlorophenol	620	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Phenanthrene	130	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Phenol	130	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Pyrene	130	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Trichlorobenzene[1,2,4-]	130	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Trichlorophenol[2,4,5-]	620	MG/KG	U
16-021(c)	16-1383	0316-95-0046	1.7	2.2	FT	SED	Trichlorophenol[2,4,6-]	130	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Acenaphthene	8.7	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Acenaphthylene	8.7	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Aniline	8.7	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Anthracene	1.9	MG/KG	J
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Azobenzene	8.7	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Benzo(a)anthracene	8.7	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Benzo(a)pyrene	8.7	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Benzo(b)fluoranthene	8.7	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Benzo(g,h,i)perylene	8.7	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Benzo(k)fluoranthene	8.7	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Benzoic Acid	87	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Benzyl Alcohol	34	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Bis(2-chloroethoxy)methane	8.7	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Bis(2-chloroethyl)ether	8.7	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Bis(2-ethylhexyl)phthalate	26	MG/KG	J
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Bromophenyl-phenylether[4-]	8.7	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Butylbenzylphthalate	8.7	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Chloro-3-methylphenol[4-]	17	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Chloroaniline[4-]	34	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Chloronaphthalene[2-]	8.7	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Chlorophenol[2-]	8.7	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Chlorophenyl-phenyl[4-] Ether	8.7	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Chrysene	8.7	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Dibenz(a,h)anthracene	8.7	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Dibenzofuran	8.7	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Dichlorobenzene[1,2-]	8.7	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Dichlorobenzene[1,3-]	8.7	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Dichlorobenzene[1,4-]	8.7	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Dichlorobenzidine[3,3'-]	17	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Dichlorophenol[2,4-]	8.7	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Diethylphthalate	8.7	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Dimethyl Phthalate	8.7	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Dimethylphenol[2,4-]	8.7	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Di-n-butylphthalate	8.7	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Dinitro-2-methylphenol[4,6-]	42	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Dinitrophenol[2,4-]	42	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Dinitrotoluene[2,4-]	8.7	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Dinitrotoluene[2,6-]	8.7	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Di-n-octylphthalate	8.7	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Fluoranthene	8.7	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Fluorene	8.7	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Hexachlorobenzene	8.7	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Hexachlorobutadiene	8.7	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Hexachlorocyclopentadiene	8.7	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Hexachloroethane	8.7	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Indeno(1,2,3-cd)pyrene	8.7	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Isophorone	8.7	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Methylnaphthalene[2-]	8.7	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Methylphenol[2-]	8.7	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Methylphenol[4-]	8.7	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Naphthalene	8.7	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Nitroaniline[2-]	42	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Nitroaniline[3-]	42	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Nitroaniline[4-]	16	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Nitrobenzene	8.7	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Nitrophenol[2-]	8.7	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Nitrophenol[4-]	42	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Nitrosodimethylamine[N-]	8.7	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Nitroso-di-n-propylamine[N-]	8.7	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Nitrosodiphenylamine[N-]	8.7	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Oxybis(1-chloropropane)[2,2'-]	8.7	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Pentachlorophenol	42	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Phenanthrene	8.7	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Phenol	8.7	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Pyrene	8.7	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Trichlorobenzene[1,2,4-]	8.7	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Trichlorophenol[2,4,5-]	42	MG/KG	U
16-021(c)	16-1382	0316-95-2012	0	0.5	FT	SED	Trichlorophenol[2,4,6-]	8.7	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Acenaphthene	9	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Acenaphthylene	9	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Aniline	9	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Anthracene	6.2	MG/KG	J
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Azobenzene	9	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Benzo(a)anthracene	9	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Benzo(a)pyrene	9	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Benzo(b)fluoranthene	9	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Benzo(g,h,i)perylene	9	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Benzo(k)fluoranthene	9	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Benzoic Acid	90	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Benzyl Alcohol	35	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Bis(2-chloroethoxy)methane	9	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Bis(2-chloroethyl)ether	9	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Bis(2-ethylhexyl)phthalate	57	MG/KG	J
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Bromophenyl-phenylether[4-]	9	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Butylbenzylphthalate	9	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Chloro-3-methylphenol[4-]	18	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Chloroaniline[4-]	35	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Chloronaphthalene[2-]	9	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Chlorophenol[2-]	9	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Chlorophenyl-phenyl[4-] Ether	9	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Chrysene	9	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Dibenz(a,h)anthracene	9	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Dibenzofuran	9	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Dichlorobenzene[1,2-]	9	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Dichlorobenzene[1,3-]	9	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Dichlorobenzene[1,4-]	9	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Dichlorobenzidine[3,3'-]	18	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Dichlorophenol[2,4-]	9	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Diethylphthalate	9	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Dimethyl Phthalate	9	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Dimethylphenol[2,4-]	9	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Di-n-butylphthalate	9	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Dinitro-2-methylphenol[4,6-]	43	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Dinitrophenol[2,4-]	43	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Dinitrotoluene[2,4-]	1.2	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Dinitrotoluene[2,6-]	9	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Di-n-octylphthalate	9	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Fluoranthene	9	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Fluorene	9	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Hexachlorobenzene	9	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Hexachlorobutadiene	9	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Hexachlorocyclopentadiene	9	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Hexachloroethane	9	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Indeno(1,2,3-cd)pyrene	9	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Isophorone	9	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Methylnaphthalene[2-]	9	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Methylphenol[2-]	9	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Methylphenol[4-]	9	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Naphthalene	9	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Nitroaniline[2-]	43	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Nitroaniline[3-]	43	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Nitroaniline[4-]	16	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Nitrobenzene	9	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Nitrophenol[2-]	9	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Nitrophenol[4-]	43	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Nitrosodimethylamine[N-]	9	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Nitroso-di-n-propylamine[N-]	9	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Nitrosodiphenylamine[N-]	9	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Oxybis(1-chloropropane)[2,2'-]	9	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Pentachlorophenol	43	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Phenanthrene	9	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Phenol	9	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Pyrene	9	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Trichlorobenzene[1,2,4-]	9	MG/KG	U
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Trichlorophenol[2,4,5-]	43	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1383	0316-95-2013	0	0.5	FT	SED	Trichlorophenol[2,4,6-]	9	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Acenaphthene	120	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Acenaphthylene	120	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Aniline	120	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Anthracene	120	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Azobenzene	120	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Benzo(a)anthracene	120	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Benzo(a)pyrene	120	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Benzo(b)fluoranthene	120	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Benzo(g,h,i)perylene	120	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Benzo(k)fluoranthene	120	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Benzoic Acid	1200	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Benzyl Alcohol	460	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Bis(2-chloroethoxy)methane	120	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Bis(2-chloroethyl)ether	120	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Bis(2-ethylhexyl)phthalate	120	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Bromophenyl-phenylether[4-]	120	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Butylbenzylphthalate	120	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Chloro-3-methylphenol[4-]	230	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Chloroaniline[4-]	460	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Chloronaphthalene[2-]	120	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Chlorophenol[2-]	120	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Chlorophenyl-phenyl[4-] Ether	120	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Chrysene	120	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Dibenz(a,h)anthracene	120	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Dibenzofuran	120	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Dichlorobenzene[1,2-]	120	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Dichlorobenzene[1,3-]	120	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Dichlorobenzene[1,4-]	120	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Dichlorobenzidine[3,3'-]	230	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Dichlorophenol[2,4-]	120	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Diethylphthalate	120	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Dimethyl Phthalate	120	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Dimethylphenol[2,4-]	120	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Di-n-butylphthalate	120	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Dinitro-2-methylphenol[4,6-]	560	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Dinitrophenol[2,4-]	560	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Dinitrotoluene[2,4-]	120	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Dinitrotoluene[2,6-]	120	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Di-n-octylphthalate	120	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Fluoranthene	120	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Fluorene	120	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Hexachlorobenzene	120	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Hexachlorobutadiene	120	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Hexachlorocyclopentadiene	120	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Hexachloroethane	120	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Indeno(1,2,3-cd)pyrene	120	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Isophorone	120	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Methylnaphthalene[2-]	120	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Methylphenol[2-]	120	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Methylphenol[4-]	120	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Naphthalene	120	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Nitroaniline[2-]	560	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Nitroaniline[3-]	560	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Nitroaniline[4-]	210	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Nitrobenzene	120	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Nitrophenol[2-]	120	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Nitrophenol[4-]	560	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Nitrosodimethylamine[N-]	120	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Nitroso-di-n-propylamine[N-]	120	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Nitrosodiphenylamine[N-]	120	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Oxybis(1-chloropropane)[2,2'-]	120	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Pentachlorophenol	560	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Phenanthrene	120	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Phenol	120	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Pyrene	120	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Trichlorobenzene[1,2,4-]	120	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Trichlorophenol[2,4,5-]	560	MG/KG	U
16-021(c)	16-1379	0316-95-2015	1	1.5	FT	SED	Trichlorophenol[2,4,6-]	120	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Acenaphthene	0.36	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Acenaphthylene	0.36	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Aniline	0.36	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Anthracene	0.36	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Azobenzene	0.36	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Benzo(a)anthracene	0.36	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Benzo(a)pyrene	0.36	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Benzo(b)fluoranthene	0.36	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Benzo(g,h,i)perylene	0.36	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Benzo(k)fluoranthene	0.36	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Benzoic Acid	1.8	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Benzyl Alcohol	0.72	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Bis(2-chloroethoxy)methane	0.36	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Bis(2-chloroethyl)ether	0.36	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Bis(2-ethylhexyl)phthalate	0.36	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Bromophenyl-phenylether[4-]	0.36	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Butylbenzylphthalate	0.36	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Chloro-3-methylphenol[4-]	0.72	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Chloroaniline[4-]	0.72	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Chloronaphthalene[2-]	0.36	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Chlorophenol[2-]	0.36	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Chlorophenyl-phenyl[4-] Ether	0.36	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Chrysene	0.36	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Dibenz(a,h)anthracene	0.36	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Dibenzofuran	0.36	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Dichlorobenzene[1,2-]	0.36	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Dichlorobenzene[1,3-]	0.36	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Dichlorobenzene[1,4-]	0.36	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Dichlorobenzidine[3,3'-]	0.72	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Dichlorophenol[2,4-]	0.36	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Diethylphthalate	0.36	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Dimethyl Phthalate	0.36	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Dimethylphenol[2,4-]	0.36	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Di-n-butylphthalate	0.36	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Dinitro-2-methylphenol[4,6-]	1.8	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Dinitrophenol[2,4-]	1.8	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Dinitrotoluene[2,4-]	0.36	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Dinitrotoluene[2,6-]	0.36	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Di-n-octylphthalate	0.36	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Fluoranthene	0.36	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Fluorene	0.36	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Hexachlorobenzene	0.36	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Hexachlorobutadiene	0.36	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Hexachlorocyclopentadiene	0.36	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Hexachloroethane	0.36	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Indeno(1,2,3-cd)pyrene	0.36	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Isophorone	0.36	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Methylnaphthalene[2-]	0.36	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Methylphenol[2-]	0.36	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Methylphenol[4-]	0.36	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Naphthalene	0.36	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Nitroaniline[2-]	1.8	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Nitroaniline[3-]	1.8	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Nitroaniline[4-]	0.72	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Nitrobenzene	0.36	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Nitrophenol[2-]	0.36	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Nitrophenol[4-]	1.8	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Nitrosodimethylamine[N-]	0.36	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Nitroso-di-n-propylamine[N-]	0.36	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Nitrosodiphenylamine[N-]	0.36	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Oxybis(1-chloropropane)[2,2'-]	0.36	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Pentachlorophenol	1.8	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Phenanthrene	0.36	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Phenol	0.36	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Pyrene	0.36	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Trichlorobenzene[1,2,4-]	0.36	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Trichlorophenol[2,4,5-]	1.8	MG/KG	U
16-021(c)	16-2713	0316-97-0328	0	0.5	FT	SED	Trichlorophenol[2,4,6-]	0.36	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Acenaphthene	0.4	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Acenaphthylene	0.4	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Aniline	0.4	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Anthracene	0.4	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Azobenzene	0.4	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Benzo(a)anthracene	0.4	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Benzo(a)pyrene	0.4	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Benzo(b)fluoranthene	0.4	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Benzo(g,h,i)perylene	0.4	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Benzo(k)fluoranthene	0.4	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Benzoic Acid	2	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Benzyl Alcohol	0.8	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Bis(2-chloroethoxy)methane	0.4	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Bis(2-chloroethyl)ether	0.4	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Bis(2-ethylhexyl)phthalate	0.8	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Bromophenyl-phenylether[4-]	0.4	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Butylbenzylphthalate	0.4	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Chloro-3-methylphenol[4-]	0.8	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Chloroaniline[4-]	0.8	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Chloronaphthalene[2-]	0.4	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Chlorophenol[2-]	0.4	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Chlorophenyl-phenyl[4-] Ether	0.4	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Chrysene	0.4	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Dibenz(a,h)anthracene	0.4	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Dibenzofuran	0.4	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Dichlorobenzene[1,2-]	0.4	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Dichlorobenzene[1,3-]	0.4	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Dichlorobenzene[1,4-]	0.4	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Dichlorobenzidine[3,3'-]	0.8	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Dichlorophenol[2,4-]	0.4	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Diethylphthalate	0.4	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Dimethyl Phthalate	0.4	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Dimethylphenol[2,4-]	0.4	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Di-n-butylphthalate	0.4	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Dinitro-2-methylphenol[4,6-]	2	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Dinitrophenol[2,4-]	2	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Dinitrotoluene[2,4-]	0.4	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Dinitrotoluene[2,6-]	0.4	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Di-n-octylphthalate	0.4	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Fluoranthene	0.4	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Fluorene	0.4	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Hexachlorobenzene	0.4	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Hexachlorobutadiene	0.4	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Hexachlorocyclopentadiene	0.4	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Hexachloroethane	0.4	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Indeno(1,2,3-cd)pyrene	0.4	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Isophorone	0.4	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Methylnaphthalene[2-]	0.4	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Methylphenol[2-]	0.4	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Methylphenol[4-]	0.4	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Naphthalene	0.4	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Nitroaniline[2-]	2	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Nitroaniline[3-]	2	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Nitroaniline[4-]	0.8	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Nitrobenzene	0.4	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Nitrophenol[2-]	0.4	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Nitrophenol[4-]	2	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Nitrosodimethylamine[N-]	0.4	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Nitroso-di-n-propylamine[N-]	0.4	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Nitrosodiphenylamine[N-]	0.4	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Oxybis(1-chloropropane)[2,2'-]	0.4	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Pentachlorophenol	2	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Phenanthrene	0.4	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Phenol	0.4	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Pyrene	0.4	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Trichlorobenzene[1,2,4-]	0.4	MG/KG	U
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Trichlorophenol[2,4,5-]	2	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2717	0316-97-0329	0	0.5	FT	SED	Trichlorophenol[2,4,6-]	0.4	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Acenaphthene	0.36	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Acenaphthylene	0.36	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Aniline	0.36	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Anthracene	0.36	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Azobenzene	0.36	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Benzo(a)anthracene	0.36	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Benzo(a)pyrene	0.36	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Benzo(b)fluoranthene	0.36	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Benzo(g,h,i)perylene	0.36	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Benzo(k)fluoranthene	0.36	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Benzoic Acid	1.8	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Benzyl Alcohol	0.73	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Bis(2-chloroethoxy)methane	0.36	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Bis(2-chloroethyl)ether	0.36	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Bis(2-ethylhexyl)phthalate	0.36	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Bromophenyl-phenylether[4-]	0.36	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Butylbenzylphthalate	0.36	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Chloro-3-methylphenol[4-]	0.73	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Chloroaniline[4-]	0.73	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Chloronaphthalene[2-]	0.36	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Chlorophenol[2-]	0.36	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Chlorophenyl-phenyl[4-] Ether	0.36	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Chrysene	0.36	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Dibenz(a,h)anthracene	0.36	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Dibenzofuran	0.36	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Dichlorobenzene[1,2-]	0.36	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Dichlorobenzene[1,3-]	0.36	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Dichlorobenzene[1,4-]	0.36	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Dichlorobenzidine[3,3'-]	0.73	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Dichlorophenol[2,4-]	0.36	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Diethylphthalate	0.36	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Dimethyl Phthalate	0.36	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Dimethylphenol[2,4-]	0.36	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Di-n-butylphthalate	0.36	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Dinitro-2-methylphenol[4,6-]	1.8	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Dinitrophenol[2,4-]	1.8	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Dinitrotoluene[2,4-]	0.36	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Dinitrotoluene[2,6-]	0.36	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Di-n-octylphthalate	0.36	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Fluoranthene	0.36	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Fluorene	0.36	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Hexachlorobenzene	0.36	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Hexachlorobutadiene	0.36	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Hexachlorocyclopentadiene	0.36	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Hexachloroethane	0.36	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Indeno(1,2,3-cd)pyrene	0.36	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Isophorone	0.36	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Methylnaphthalene[2-]	0.36	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Methylphenol[2-]	0.36	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Methylphenol[4-]	0.36	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Naphthalene	0.36	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Nitroaniline[2-]	1.8	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Nitroaniline[3-]	1.8	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Nitroaniline[4-]	0.73	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Nitrobenzene	0.36	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Nitrophenol[2-]	0.36	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Nitrophenol[4-]	1.8	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Nitrosodimethylamine[N-]	0.36	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Nitroso-di-n-propylamine[N-]	0.36	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Nitrosodiphenylamine[N-]	0.36	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Oxybis(1-chloropropane)[2,2'-]	0.36	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Pentachlorophenol	1.8	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Phenanthrene	0.36	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Phenol	0.36	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Pyrene	0.36	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Trichlorobenzene[1,2,4-]	0.36	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Trichlorophenol[2,4,5-]	1.8	MG/KG	U
16-021(c)	16-2716	0316-97-0330	2	2.8	FT	SED	Trichlorophenol[2,4,6-]	0.36	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Acenaphthene	0.36	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Acenaphthylene	0.36	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Aniline	0.36	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Anthracene	0.36	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Azobenzene	0.36	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Benzo(a)anthracene	0.36	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Benzo(a)pyrene	0.36	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Benzo(b)fluoranthene	0.36	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Benzo(g,h,i)perylene	0.36	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Benzo(k)fluoranthene	0.36	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Benzoic Acid	1.8	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Benzyl Alcohol	0.73	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Bis(2-chloroethoxy)methane	0.36	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Bis(2-chloroethyl)ether	0.36	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Bis(2-ethylhexyl)phthalate	0.36	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Bromophenyl-phenylether[4-]	0.36	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Butylbenzylphthalate	0.36	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Chloro-3-methylphenol[4-]	0.73	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Chloroaniline[4-]	0.73	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Chloronaphthalene[2-]	0.36	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Chlorophenol[2-]	0.36	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Chlorophenyl-phenyl[4-] Ether	0.36	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Chrysene	0.36	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Dibenz(a,h)anthracene	0.36	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Dibenzofuran	0.36	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Dichlorobenzene[1,2-]	0.36	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Dichlorobenzene[1,3-]	0.36	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Dichlorobenzene[1,4-]	0.36	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Dichlorobenzidine[3,3'-]	0.73	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Dichlorophenol[2,4-]	0.36	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Diethylphthalate	0.36	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Dimethyl Phthalate	0.36	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Dimethylphenol[2,4-]	0.36	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Di-n-butylphthalate	0.36	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Dinitro-2-methylphenol[4,6-]	1.8	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Dinitrophenol[2,4-]	1.8	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Dinitrotoluene[2,4-]	0.36	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Dinitrotoluene[2,6-]	0.36	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Di-n-octylphthalate	0.36	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Fluoranthene	0.36	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Fluorene	0.36	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Hexachlorobenzene	0.36	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Hexachlorobutadiene	0.36	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Hexachlorocyclopentadiene	0.36	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Hexachloroethane	0.36	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Indeno(1,2,3-cd)pyrene	0.36	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Isophorone	0.36	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Methylnaphthalene[2-]	0.36	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Methylphenol[2-]	0.36	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Methylphenol[4-]	0.36	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Naphthalene	0.36	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Nitroaniline[2-]	1.8	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Nitroaniline[3-]	1.8	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Nitroaniline[4-]	0.73	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Nitrobenzene	0.36	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Nitrophenol[2-]	0.36	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Nitrophenol[4-]	1.8	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Nitrosodimethylamine[N-]	0.36	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Nitroso-di-n-propylamine[N-]	0.36	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Nitrosodiphenylamine[N-]	0.36	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Oxybis(1-chloropropane)[2,2'-]	0.36	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Pentachlorophenol	1.8	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Phenanthrene	0.36	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Phenol	0.36	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Pyrene	0.36	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Trichlorobenzene[1,2,4-]	0.36	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Trichlorophenol[2,4,5-]	1.8	MG/KG	U
16-021(c)	16-2718	0316-97-0331	2	2.8	FT	SED	Trichlorophenol[2,4,6-]	0.36	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Acenaphthene	0.37	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Acenaphthylene	0.37	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Aniline	0.74	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Anthracene	0.37	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Azobenzene	0.74	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Benzo(a)anthracene	0.37	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Benzo(a)pyrene	0.37	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Benzo(b)fluoranthene	0.37	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Benzo(g,h,i)perylene	0.37	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Benzo(k)fluoranthene	0.37	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Benzoic Acid	3.7	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Benzyl Alcohol	1.5	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Bis(2-chloroethoxy)methane	0.37	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Bis(2-chloroethyl)ether	0.37	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Bis(2-ethylhexyl)phthalate	0.37	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Bromophenyl-phenylether[4-]	0.37	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Butylbenzylphthalate	0.37	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Chloro-3-methylphenol[4-]	0.74	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Chloroaniline[4-]	1.5	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Chloronaphthalene[2-]	0.37	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Chlorophenol[2-]	0.37	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Chlorophenyl-phenyl[4-] Ether	0.37	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Chrysene	0.37	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Dibenz(a,h)anthracene	0.37	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Dibenzofuran	0.37	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Dichlorobenzene[1,2-]	0.37	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Dichlorobenzene[1,3-]	0.37	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Dichlorobenzene[1,4-]	0.37	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Dichlorobenzidine[3,3'-]	0.74	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Dichlorophenol[2,4-]	0.37	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Diethylphthalate	0.37	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Dimethyl Phthalate	0.37	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Dimethylphenol[2,4-]	0.37	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Di-n-butylphthalate	0.37	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Dinitro-2-methylphenol[4,6-]	1.8	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Dinitrophenol[2,4-]	1.8	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Dinitrotoluene[2,4-]	0.37	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Dinitrotoluene[2,6-]	0.37	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Di-n-octylphthalate	0.37	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Fluoranthene	0.37	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Fluorene	0.37	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Hexachlorobenzene	0.37	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Hexachlorobutadiene	0.37	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Hexachlorocyclopentadiene	0.37	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Hexachloroethane	0.37	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Indeno(1,2,3-cd)pyrene	0.37	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Isophorone	0.37	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Methylnaphthalene[2-]	0.37	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Methylphenol[2-]	0.37	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Methylphenol[4-]	0.37	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Naphthalene	0.37	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Nitroaniline[2-]	1.8	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Nitroaniline[3-]	1.8	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Nitroaniline[4-]	0.74	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Nitrobenzene	0.37	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Nitrophenol[2-]	0.37	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Nitrophenol[4-]	1.8	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Nitrosodimethylamine[N-]	0.37	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Nitroso-di-n-propylamine[N-]	0.37	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Nitrosodiphenylamine[N-]	0.37	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Oxybis(1-chloropropane)[2,2'-]	0.37	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Pentachlorophenol	1.8	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Phenanthrene	0.37	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Phenol	0.37	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Pyrene	0.37	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Trichlorobenzene[1,2,4-]	0.37	MG/KG	U
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Trichlorophenol[2,4,5-]	1.8	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2724	0316-97-0332	0	0.5	FT	SED	Trichlorophenol[2,4,6-]	0.37	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Acenaphthene	0.43	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Acenaphthylene	0.43	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Aniline	0.86	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Anthracene	0.43	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Azobenzene	0.86	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Benzo(a)anthracene	0.43	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Benzo(a)pyrene	0.43	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Benzo(b)fluoranthene	0.43	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Benzo(g,h,i)perylene	0.43	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Benzo(k)fluoranthene	0.43	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Benzoic Acid	4.3	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Benzyl Alcohol	1.7	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Bis(2-chloroethoxy)methane	0.43	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Bis(2-chloroethyl)ether	0.43	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Bis(2-ethylhexyl)phthalate	0.43	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Bromophenyl-phenylether[4-]	0.43	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Butylbenzylphthalate	0.43	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Chloro-3-methylphenol[4-]	0.86	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Chloroaniline[4-]	1.7	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Chloronaphthalene[2-]	0.43	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Chlorophenol[2-]	0.43	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Chlorophenyl-phenyl[4-] Ether	0.43	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Chrysene	0.43	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Dibenz(a,h)anthracene	0.43	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Dibenzofuran	0.43	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Dichlorobenzene[1,2-]	0.43	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Dichlorobenzene[1,3-]	0.43	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Dichlorobenzene[1,4-]	0.43	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Dichlorobenzidine[3,3'-]	0.86	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Dichlorophenol[2,4-]	0.43	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Diethylphthalate	0.43	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Dimethyl Phthalate	0.43	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Dimethylphenol[2,4-]	0.43	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Di-n-butylphthalate	0.43	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Dinitro-2-methylphenol[4,6-]	2.1	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Dinitrophenol[2,4-]	2.1	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Dinitrotoluene[2,4-]	0.43	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Dinitrotoluene[2,6-]	0.43	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Di-n-octylphthalate	0.43	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Fluoranthene	0.43	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Fluorene	0.43	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Hexachlorobenzene	0.43	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Hexachlorobutadiene	0.43	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Hexachlorocyclopentadiene	0.43	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Hexachloroethane	0.43	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Indeno(1,2,3-cd)pyrene	0.43	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Isophorone	0.43	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Methylnaphthalene[2-]	0.43	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Methylphenol[2-]	0.43	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Methylphenol[4-]	0.43	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Naphthalene	0.43	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Nitroaniline[2-]	2.1	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Nitroaniline[3-]	2.1	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Nitroaniline[4-]	0.86	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Nitrobenzene	0.43	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Nitrophenol[2-]	0.43	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Nitrophenol[4-]	2.1	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Nitrosodimethylamine[N-]	0.43	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Nitroso-di-n-propylamine[N-]	0.43	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Nitrosodiphenylamine[N-]	0.43	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Oxybis(1-chloropropane)[2,2'-]	0.43	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Pentachlorophenol	2.1	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Phenanthrene	0.43	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Phenol	0.43	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Pyrene	0.43	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Trichlorobenzene[1,2,4-]	0.43	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Trichlorophenol[2,4,5-]	2.1	MG/KG	U
16-021(c)	16-2726	0316-97-0333	0	0.5	FT	SED	Trichlorophenol[2,4,6-]	0.43	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Acenaphthene	0.39	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Acenaphthylene	0.39	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Aniline	0.78	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Anthracene	0.39	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Azobenzene	0.78	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Benzidine	0.39	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Benzo(a)anthracene	0.39	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Benzo(a)pyrene	0.39	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Benzo(b)fluoranthene	0.39	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Benzo(g,h,i)perylene	0.39	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Benzoic Acid	1.9	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Benzyl Alcohol	0.78	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Bis(2-chloroethoxy)methane	0.39	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Bis(2-chloroethyl)ether	0.39	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Bis(2-ethylhexyl)phthalate	0.37	MG/KG	J
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Bromophenyl-phenylether[4-]	0.39	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Butylbenzylphthalate	0.39	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Carbazole	0.39	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Chloro-3-methylphenol[4-]	0.78	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Chloroaniline[4-]	0.78	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Chloronaphthalene[2-]	0.39	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Chlorophenol[2-]	0.39	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Chlorophenyl-phenyl[4-] Ether	0.39	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Chrysene	0.39	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Dibenz(a,h)anthracene	0.39	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Dibenzofuran	0.39	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Dichlorobenzene[1,2-]	0.39	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Dichlorobenzene[1,3-]	0.39	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Dichlorobenzene[1,4-]	0.39	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Dichlorobenzidine[3,3'-]	0.78	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Dichlorophenol[2,4-]	0.39	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Diethylphthalate	0.39	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Dimethyl Phthalate	0.39	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Dimethylphenol[2,4-]	0.39	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Di-n-butylphthalate	0.39	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Dinitro-2-methylphenol[4,6-]	1.9	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Dinitrophenol[2,4-]	1.9	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Dinitrotoluene[2,4-]	0.39	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Dinitrotoluene[2,6-]	0.39	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Di-n-octylphthalate	0.39	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Fluoranthene	0.39	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Fluorene	0.39	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Hexachlorobenzene	0.39	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Hexachlorobutadiene	0.39	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Hexachlorocyclopentadiene	0.39	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Hexachloroethane	0.39	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Indeno(1,2,3-cd)pyrene	0.39	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Isophorone	0.39	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Methylnaphthalene[2-]	0.39	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Methylphenol[2-]	0.39	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Methylphenol[4-]	0.39	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Naphthalene	0.39	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Nitroaniline[2-]	1.9	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Nitroaniline[3-]	1.9	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Nitroaniline[4-]	0.78	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Nitrobenzene	0.39	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Nitrophenol[2-]	0.39	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Nitrophenol[4-]	1.9	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Nitrosodimethylamine[N-]	0.39	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Nitroso-di-n-propylamine[N-]	0.39	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Nitrosodiphenylamine[N-]	0.39	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Oxybis(1-chloropropane)[2,2'-]	0.39	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Pentachlorophenol	1.9	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Phenanthrene	0.39	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Phenol	0.39	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Pyrene	0.39	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Pyridine	0.39	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Trichlorobenzene[1,2,4-]	0.39	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Trichlorophenol[2,4,5-]	1.9	MG/KG	U
16-021(c)	16-2710	0316-97-0388	0.5	1	FT	SED	Trichlorophenol[2,4,6-]	0.39	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Acenaphthene	0.4	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Acenaphthylene	0.4	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Aniline	0.8	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Anthracene	0.4	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Azobenzene	0.8	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Benzidine	0.4	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Benzo(a)anthracene	0.4	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Benzo(a)pyrene	0.4	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Benzo(b)fluoranthene	0.4	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Benzo(g,h,i)perylene	0.4	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Benzoic Acid	2	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Benzyl Alcohol	0.8	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Bis(2-chloroethoxy)methane	0.4	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Bis(2-chloroethyl)ether	0.4	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Bis(2-ethylhexyl)phthalate	0.4	MG/KG	J
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Bromophenyl-phenylether[4-]	0.4	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Butylbenzylphthalate	0.4	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Carbazole	0.4	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Chloro-3-methylphenol[4-]	0.8	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Chloroaniline[4-]	0.8	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Chloronaphthalene[2-]	0.4	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Chlorophenol[2-]	0.4	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Chlorophenyl-phenyl[4-] Ether	0.4	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Chrysene	0.4	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Dibenz(a,h)anthracene	0.4	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Dibenzofuran	0.4	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Dichlorobenzene[1,2-]	0.4	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Dichlorobenzene[1,3-]	0.4	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Dichlorobenzene[1,4-]	0.4	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Dichlorobenzidine[3,3'-]	0.8	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Dichlorophenol[2,4-]	0.4	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Diethylphthalate	0.4	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Dimethyl Phthalate	0.4	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Dimethylphenol[2,4-]	0.4	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Di-n-butylphthalate	0.4	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Dinitro-2-methylphenol[4,6-]	2	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Dinitrophenol[2,4-]	2	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Dinitrotoluene[2,4-]	0.4	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Dinitrotoluene[2,6-]	0.4	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Di-n-octylphthalate	0.4	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Fluoranthene	0.4	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Fluorene	0.4	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Hexachlorobenzene	0.4	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Hexachlorobutadiene	0.4	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Hexachlorocyclopentadiene	0.4	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Hexachloroethane	0.4	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Indeno(1,2,3-cd)pyrene	0.4	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Isophorone	0.4	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Methylnaphthalene[2-]	0.4	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Methylphenol[2-]	0.4	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Methylphenol[4-]	0.4	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Naphthalene	0.4	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Nitroaniline[2-]	2	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Nitroaniline[3-]	2	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Nitroaniline[4-]	0.8	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Nitrobenzene	0.4	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Nitrophenol[2-]	0.4	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Nitrophenol[4-]	2	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Nitrosodimethylamine[N-]	0.4	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Nitroso-di-n-propylamine[N-]	0.4	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Nitrosodiphenylamine[N-]	0.4	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Oxybis(1-chloropropane)[2,2'-]	0.4	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Pentachlorophenol	2	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Phenanthrene	0.4	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Phenol	0.4	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Pyrene	0.4	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Pyridine	0.4	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Trichlorobenzene[1,2,4-]	0.4	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Trichlorophenol[2,4,5-]	2	MG/KG	U
16-021(c)	16-2709	0316-97-0389	0.5	1	FT	SED	Trichlorophenol[2,4,6-]	0.4	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Acenaphthene	0.37	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Acenaphthylene	0.37	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Aniline	0.37	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Anthracene	0.37	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Azobenzene	0.37	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Benzo(a)anthracene	0.37	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Benzo(a)pyrene	0.37	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Benzo(b)fluoranthene	0.37	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Benzo(g,h,i)perylene	0.37	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Benzo(k)fluoranthene	0.37	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Benzoic Acid	1.8	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Benzyl Alcohol	0.74	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Bis(2-chloroethoxy)methane	0.37	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Bis(2-chloroethyl)ether	0.37	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Bis(2-ethylhexyl)phthalate	0.37	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Bromophenyl-phenylether[4-]	0.37	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Butylbenzylphthalate	0.37	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Chloro-3-methylphenol[4-]	0.74	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Chloroaniline[4-]	0.74	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Chloronaphthalene[2-]	0.37	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Chlorophenol[2-]	0.37	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Chlorophenyl-phenyl[4-] Ether	0.37	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Chrysene	0.37	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Dibenz(a,h)anthracene	0.37	MG/KG	U

Table I-2.0-4 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Dibenzofuran	0.37	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Dichlorobenzene[1,2-]	0.37	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Dichlorobenzene[1,3-]	0.37	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Dichlorobenzene[1,4-]	0.37	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Dichlorobenzidine[3,3'-]	0.74	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Dichlorophenol[2,4-]	0.37	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Diethylphthalate	0.37	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Dimethyl Phthalate	0.37	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Dimethylphenol[2,4-]	0.37	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Di-n-butylphthalate	0.37	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Dinitro-2-methylphenol[4,6-]	1.8	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Dinitrophenol[2,4-]	1.8	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Dinitrotoluene[2,4-]	0.37	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Dinitrotoluene[2,6-]	0.37	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Di-n-octylphthalate	0.37	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Fluoranthene	0.37	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Fluorene	0.37	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Hexachlorobenzene	0.37	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Hexachlorobutadiene	0.37	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Hexachlorocyclopentadiene	0.37	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Hexachloroethane	0.37	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Indeno(1,2,3-cd)pyrene	0.37	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Isophorone	0.37	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Methylnaphthalene[2-]	0.37	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Methylphenol[2-]	0.37	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Methylphenol[4-]	0.37	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Naphthalene	0.37	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Nitroaniline[2-]	1.8	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Nitroaniline[3-]	1.8	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Nitroaniline[4-]	0.74	MG/KG	U

Table I-2.0-4 (concluded)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Nitrobenzene	0.37	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Nitrophenol[2-]	0.37	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Nitrophenol[4-]	1.8	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Nitrosodimethylamine[N-]	0.37	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Nitroso-di-n-propylamine[N-]	0.37	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Nitrosodiphenylamine[N-]	0.37	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Oxybis(1-chloropropane)[2,2'-]	0.37	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Pentachlorophenol	1.8	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Phenanthrene	0.37	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Phenol	0.37	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Pyrene	0.37	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Trichlorobenzene[1,2,4-]	0.37	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Trichlorophenol[2,4,5-]	1.8	MG/KG	U
16-021(c)	16-2718	0316-97-2021	2	2.75	FT	SED	Trichlorophenol[2,4,6-]	0.37	MG/KG	U

Table I-2.0-5

Inorganic Chemicals in Borehole Soil and Tuff Samples

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Arsenic	0.43	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Barium	35.7	MG/KG	J
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Beryllium	0.3	MG/KG	J
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Cadmium	0.05	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Calcium	729	MG/KG	J
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Chromium, Total	1.8	MG/KG	J
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Cobalt	0.26	MG/KG	J
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Copper	2.2	MG/KG	J
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Cyanide, Total	0.1	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Iron	4210	MG/KG	J
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Lead	1.6	MG/KG	none
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Magnesium	293	MG/KG	J
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Manganese	193	MG/KG	none
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Mercury	0.05	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Nickel	0.85	MG/KG	J
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Potassium	409	MG/KG	J
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Selenium	0.43	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Silver	0.21	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Sodium	227	MG/KG	J
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Thallium	0.64	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Vanadium	1.6	MG/KG	J
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Zinc	9.5	MG/KG	J
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Aluminum	3510	MG/KG	none
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Antimony	0.62	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Arsenic	2.3	MG/KG	J
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Barium	560	MG/KG	none
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Beryllium	0.52	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Cadmium	0.27	MG/KG	J

Table I-2.0-5 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Calcium	723	MG/KG	J
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Chromium, Total	5.7	MG/KG	none
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Cobalt	2.1	MG/KG	J
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Copper	5.1	MG/KG	J
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Cyanide, Total	0.35	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Iron	6440	MG/KG	none
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Lead	6.6	MG/KG	none
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Magnesium	373	MG/KG	J
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Manganese	184	MG/KG	none
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Mercury	0.07	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Nickel	15.4	MG/KG	none
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Potassium	889	MG/KG	J
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Selenium	0.84	MG/KG	none
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Silver	0.34	MG/KG	none
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Sodium	843	MG/KG	J
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Thallium	0.81	MG/KG	none
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Vanadium	3.5	MG/KG	J
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Zinc	22.4	MG/KG	none
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Aluminum	1240	MG/KG	none
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Antimony	5.1	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Arsenic	1.2	MG/KG	none
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Barium	335	MG/KG	none
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Beryllium	0.48	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Cadmium	0.51	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Calcium	622	MG/KG	none
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Chromium, Total	4.8	MG/KG	none
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Cobalt	1.2	MG/KG	J
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Copper	2.9	MG/KG	none
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Cyanide, Total	0.62	MG/KG	U

Table I-2.0-5 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Iron	2350	MG/KG	none
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Lead	2.1	MG/KG	none
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Magnesium	162	MG/KG	J
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Manganese	132	MG/KG	J-
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Mercury	0.059	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Nickel	2.6	MG/KG	none
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Potassium	419	MG/KG	none
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Selenium	0.31	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Silver	0.51	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Sodium	617	MG/KG	none
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Thallium	0.24	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Vanadium	1.2	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Zinc	12.1	MG/KG	none
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Aluminum	7720	MG/KG	none
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Antimony	0.55	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Arsenic	1.2	MG/KG	J
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Barium	234	MG/KG	none
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Beryllium	0.77	MG/KG	J
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Cadmium	0.35	MG/KG	J
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Calcium	1100	MG/KG	J
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Chromium, Total	2.4	MG/KG	J
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Cobalt	1.2	MG/KG	J
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Copper	3.1	MG/KG	J
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Cyanide, Total	0.31	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Iron	6970	MG/KG	none
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Lead	4.5	MG/KG	none
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Magnesium	594	MG/KG	J
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Manganese	239	MG/KG	none
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Mercury	0.06	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Nickel	2.6	MG/KG	J

Table I-2.0-5 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Potassium	696	MG/KG	J
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Selenium	0.75	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Silver	0.3	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Sodium	243	MG/KG	J
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Thallium	0.72	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Vanadium	4.1	MG/KG	J
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Zinc	16.7	MG/KG	none
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Aluminum	1900	MG/KG	none
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Antimony	11	MG/KG	UJ
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Arsenic	2.3	MG/KG	none
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Barium	600	MG/KG	J
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Beryllium	0.57	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Cadmium	0.57	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Calcium	640	MG/KG	none
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Chromium, Total	9.5	MG/KG	none
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Cobalt	1.3	MG/KG	none
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Copper	2	MG/KG	none
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Cyanide, Total	0.57	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Iron	5500	MG/KG	none
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Lead	3.9	MG/KG	none
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Magnesium	110	MG/KG	none
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Manganese	200	MG/KG	J-
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Mercury	0.11	MG/KG	UJ
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Nickel	2.3	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Potassium	390	MG/KG	none
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Selenium	0.23	MG/KG	UJ
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Silver	2.3	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Sodium	250	MG/KG	none
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Thallium	1.1	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Vanadium	5	MG/KG	none

Table I-2.0-5 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Zinc	20	MG/KG	none
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Aluminum	8900	MG/KG	none
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Antimony	11	MG/KG	UJ
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Arsenic	1.1	MG/KG	none
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Barium	59	MG/KG	none
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Beryllium	0.95	MG/KG	none
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Cadmium	0.57	MG/KG	UJ
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Calcium	1900	MG/KG	none
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Chromium, Total	3.2	MG/KG	none
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Cobalt	2.4	MG/KG	none
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Copper	4.1	MG/KG	none
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Cyanide, Total	0.57	MG/KG	R
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Iron	6100	MG/KG	none
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Lead	8.9	MG/KG	none
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Magnesium	650	MG/KG	none
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Manganese	340	MG/KG	J-
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Mercury	0.11	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Nickel	4.5	MG/KG	none
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Potassium	600	MG/KG	none
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Selenium	0.23	MG/KG	UJ
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Silver	2.3	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Sodium	190	MG/KG	none
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Thallium	0.28	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Vanadium	6.9	MG/KG	none
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Zinc	16	MG/KG	none
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Aluminum	160	MG/KG	none
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Antimony	10	MG/KG	UJ
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Arsenic	0.92	MG/KG	none
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Barium	11	MG/KG	none
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Beryllium	0.51	MG/KG	U

Table I-2.0-5 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Cadmium	0.51	MG/KG	UJ
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Calcium	500	MG/KG	none
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Chromium, Total	1	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Cobalt	1	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Copper	1	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Cyanide, Total	0.51	MG/KG	R
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Iron	1300	MG/KG	none
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Lead	0.55	MG/KG	none
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Magnesium	26	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Manganese	120	MG/KG	J-
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Mercury	0.1	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Nickel	2	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Potassium	77	MG/KG	none
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Selenium	0.2	MG/KG	UJ
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Silver	2	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Sodium	63	MG/KG	none
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Thallium	0.26	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Vanadium	0.85	MG/KG	none
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Zinc	11	MG/KG	none
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Aluminum	838	MG/KG	J
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Antimony	0.38	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Arsenic	0.57	MG/KG	J
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Barium	14.5	MG/KG	J
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Beryllium	0.38	MG/KG	J
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Cadmium	0.04	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Calcium	1200	MG/KG	none
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Chromium, Total	0.98	MG/KG	J
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Cobalt	0.37	MG/KG	J
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Copper	0.82	MG/KG	J
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Cyanide, Total	0.1	MG/KG	U

Table I-2.0-5 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Iron	2310	MG/KG	J
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Lead	7.8	MG/KG	none
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Magnesium	913	MG/KG	J
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Manganese	164	MG/KG	none
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Mercury	0.11	MG/KG	none
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Nickel	0.72	MG/KG	J
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Potassium	367	MG/KG	J
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Selenium	0.4	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Silver	0.19	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Sodium	66.6	MG/KG	J
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Thallium	0.59	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Vanadium	3.4	MG/KG	J
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Zinc	17.4	MG/KG	J
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Aluminum	392	MG/KG	J
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Antimony	0.39	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Arsenic	0.41	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Barium	6.9	MG/KG	J
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Beryllium	0.24	MG/KG	J
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Cadmium	0.04	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Calcium	571	MG/KG	J
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Chromium, Total	0.41	MG/KG	J
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Cobalt	0.13	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Copper	0.31	MG/KG	J
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Cyanide, Total	0.1	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Iron	1050	MG/KG	J
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Lead	1.7	MG/KG	none
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Magnesium	141	MG/KG	J
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Manganese	89.8	MG/KG	none
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Mercury	0.07	MG/KG	J
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Nickel	0.18	MG/KG	J

Table I-2.0-5 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Potassium	76.2	MG/KG	J
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Selenium	0.41	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Silver	0.2	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Sodium	58.2	MG/KG	J
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Thallium	0.61	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Vanadium	1.7	MG/KG	J
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Zinc	5.6	MG/KG	J
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Aluminum	220	MG/KG	none
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Antimony	10	MG/KG	UJ
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Arsenic	0.41	MG/KG	none
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Barium	7.7	MG/KG	none
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Beryllium	0.51	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Cadmium	0.51	MG/KG	UJ
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Calcium	510	MG/KG	none
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Chromium, Total	1	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Cobalt	1	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Copper	1	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Cyanide, Total	0.51	MG/KG	R
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Iron	1400	MG/KG	none
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Lead	0.79	MG/KG	none
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Magnesium	26	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Manganese	130	MG/KG	J-
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Mercury	0.1	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Nickel	2	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Potassium	160	MG/KG	none
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Selenium	0.2	MG/KG	UJ
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Silver	2	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Sodium	100	MG/KG	none
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Thallium	0.26	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Vanadium	0.74	MG/KG	none

Table I-2.0-5 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Zinc	14	MG/KG	none
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Aluminum	3110	MG/KG	none
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Antimony	4.2	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Arsenic	0.78	MG/KG	J
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Barium	93.5	MG/KG	none
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Beryllium	0.46	MG/KG	none
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Cadmium	0.42	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Calcium	1470	MG/KG	none
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Chromium, Total	2.5	MG/KG	none
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Cobalt	2.2	MG/KG	J
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Copper	3.8	MG/KG	none
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Cyanide, Total	1.1	MG/KG	UJ
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Iron	4830	MG/KG	none
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Lead	4.9	MG/KG	none
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Magnesium	553	MG/KG	none
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Manganese	249	MG/KG	J
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Mercury	0.024	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Nickel	5.4	MG/KG	none
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Potassium	328	MG/KG	J
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Selenium	0.23	MG/KG	UJ
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Silver	0.42	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Sodium	304	MG/KG	J
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Thallium	0.23	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Vanadium	7.9	MG/KG	none
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Zinc	16.9	MG/KG	none
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Aluminum	160	MG/KG	none
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Antimony	0.6	MG/KG	UJ
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Arsenic	1.4	MG/KG	J
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Barium	8.7	MG/KG	J
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Beryllium	0.21	MG/KG	J

Table I-2.0-5 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Cadmium	0.08	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Calcium	399	MG/KG	J
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Chromium, Total	0.31	MG/KG	R
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Cobalt	0.33	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Copper	1	MG/KG	J
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Cyanide, Total	0.26	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Iron	2080	MG/KG	none
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Lead	5.4	MG/KG	none
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Magnesium	131	MG/KG	J
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Manganese	133	MG/KG	none
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Mercury	0.05	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Nickel	0.33	MG/KG	UJ
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Potassium	69.1	MG/KG	J
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Selenium	0.9	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Silver	0.16	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Sodium	41.4	MG/KG	J
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Thallium	0.99	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Vanadium	0.56	MG/KG	J
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Zinc	13	MG/KG	none
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Aluminum	5070	MG/KG	UJ
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Antimony	7.6	MG/KG	UJ
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Arsenic	2.7	MG/KG	none
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Barium	150	MG/KG	J
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Beryllium	0.79	MG/KG	J
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Cadmium	0.15	MG/KG	J
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Calcium	1270	MG/KG	none
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Chromium, Total	3.7	MG/KG	none
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Cobalt	2.4	MG/KG	J
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Copper	4.2	MG/KG	J
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Cyanide, Total	0.05	MG/KG	U

Table I-2.0-5 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Iron	7350	MG/KG	none
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Lead	5.6	MG/KG	none
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Magnesium	643	MG/KG	J
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Manganese	247	MG/KG	J+
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Mercury	0.05	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Nickel	5.3	MG/KG	J
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Potassium	559	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Selenium	0.47	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Silver	0.23	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Sodium	232	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Thallium	0.93	MG/KG	J
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Vanadium	12.1	MG/KG	none
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Zinc	24.1	MG/KG	none
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Aluminum	341	MG/KG	none
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Antimony	0.53	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Arsenic	1	MG/KG	J
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Barium	5.9	MG/KG	J
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Beryllium	0.3	MG/KG	J
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Cadmium	0.11	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Calcium	447	MG/KG	J
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Chromium, Total	0.78	MG/KG	J
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Cobalt	0.26	MG/KG	J
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Copper	0.57	MG/KG	J
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Cyanide, Total	1.1	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Iron	1290	MG/KG	none
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Lead	1.2	MG/KG	none
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Magnesium	85.6	MG/KG	J
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Manganese	56.3	MG/KG	J-
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Mercury	0.025	MG/KG	UJ
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Nickel	0.42	MG/KG	J

Table I-2.0-5 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Potassium	179	MG/KG	J
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Selenium	0.32	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Silver	0.11	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Sodium	413	MG/KG	J
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Thallium	0.32	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Vanadium	1.6	MG/KG	J
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Zinc	5.4	MG/KG	none
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Aluminum	4440	MG/KG	none
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Antimony	0.47	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Arsenic	1.7	MG/KG	none
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Barium	31.4	MG/KG	none
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Beryllium	0.71	MG/KG	none
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Cadmium	0.094	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Calcium	1270	MG/KG	none
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Chromium, Total	2.9	MG/KG	none
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Cobalt	1.1	MG/KG	J
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Copper	2.6	MG/KG	none
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Cyanide, Total	1.1	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Iron	4960	MG/KG	none
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Lead	4.3	MG/KG	none
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Magnesium	757	MG/KG	J
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Manganese	180	MG/KG	J-
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Mercury	0.023	MG/KG	UJ
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Nickel	2.6	MG/KG	J
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Potassium	581	MG/KG	none
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Selenium	0.28	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Silver	0.094	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Sodium	335	MG/KG	J
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Thallium	0.45	MG/KG	J
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Vanadium	4.1	MG/KG	J

Table I-2.0-5 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Zinc	21.5	MG/KG	none
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Aluminum	8020	MG/KG	J
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Antimony	0.48	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Arsenic	2.5	MG/KG	none
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Barium	59.3	MG/KG	none
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Beryllium	0.74	MG/KG	none
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Cadmium	0.096	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Calcium	1250	MG/KG	none
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Chromium, Total	6.5	MG/KG	none
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Cobalt	3.4	MG/KG	J
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Copper	4.3	MG/KG	none
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Cyanide, Total	1.1	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Iron	10700	MG/KG	J
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Lead	10.3	MG/KG	none
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Magnesium	1020	MG/KG	none
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Manganese	215	MG/KG	none
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Mercury	0.026	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Nickel	5.2	MG/KG	none
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Potassium	503	MG/KG	none
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Selenium	0.29	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Silver	0.096	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Sodium	419	MG/KG	J
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Thallium	0.42	MG/KG	J
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Vanadium	13.9	MG/KG	none
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Zinc	28.4	MG/KG	J
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Aluminum	238	MG/KG	J
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Antimony	0.4	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Arsenic	1.1	MG/KG	none
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Barium	10.4	MG/KG	J
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Beryllium	0.35	MG/KG	J

Table I-2.0-5 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Cadmium	0.079	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Calcium	479	MG/KG	none
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Chromium, Total	0.32	MG/KG	J
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Cobalt	0.44	MG/KG	J
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Copper	1	MG/KG	J
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Cyanide, Total	1	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Iron	3860	MG/KG	J
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Lead	2.9	MG/KG	none
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Magnesium	177	MG/KG	J
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Manganese	225	MG/KG	none
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Mercury	0.025	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Nickel	0.32	MG/KG	J
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Potassium	147	MG/KG	J
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Selenium	0.24	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Silver	0.079	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Sodium	332	MG/KG	J
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Thallium	0.24	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Vanadium	0.95	MG/KG	J
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Zinc	20.4	MG/KG	J
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Aluminum	749	MG/KG	J
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Antimony	0.48	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Arsenic	1.6	MG/KG	none
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Barium	14	MG/KG	J
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Beryllium	0.33	MG/KG	J
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Cadmium	0.097	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Calcium	808	MG/KG	none
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Chromium, Total	0.71	MG/KG	J
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Cobalt	0.99	MG/KG	J
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Copper	0.83	MG/KG	J
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Cyanide, Total	0.98	MG/KG	U

Table I-2.0-5 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Iron	6190	MG/KG	J
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Lead	2.2	MG/KG	none
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Magnesium	580	MG/KG	none
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Manganese	260	MG/KG	none
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Mercury	0.025	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Nickel	0.83	MG/KG	J
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Potassium	352	MG/KG	J
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Selenium	0.29	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Silver	0.097	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Sodium	390	MG/KG	J
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Thallium	0.29	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Vanadium	2.3	MG/KG	J
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Zinc	28.4	MG/KG	J
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Aluminum	9040	MG/KG	none
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Antimony	0.7	MG/KG	UJ
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Arsenic	4.4	MG/KG	none
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Barium	329	MG/KG	none
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Beryllium	1.3	MG/KG	none
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Cadmium	0.1	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Calcium	2610	MG/KG	none
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Chromium, Total	6.1	MG/KG	R
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Cobalt	6.8	MG/KG	J
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Copper	9.3	MG/KG	none
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Cyanide, Total	0.3	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Iron	9720	MG/KG	none
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Lead	13.1	MG/KG	none
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Magnesium	1710	MG/KG	none
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Manganese	573	MG/KG	none
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Mercury	0.06	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Nickel	9.6	MG/KG	J

Table I-2.0-5 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Potassium	1200	MG/KG	J
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Selenium	1.1	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Silver	0.19	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Sodium	330	MG/KG	J
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Thallium	1.2	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Vanadium	18	MG/KG	none
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Zinc	26.3	MG/KG	none
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Aluminum	1520	MG/KG	none
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Antimony	0.62	MG/KG	UJ
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Arsenic	1.1	MG/KG	J
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Barium	29.2	MG/KG	J
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Beryllium	0.26	MG/KG	J
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Cadmium	0.09	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Calcium	1340	MG/KG	none
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Chromium, Total	1.5	MG/KG	R
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Cobalt	0.42	MG/KG	J
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Copper	1.3	MG/KG	J
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Cyanide, Total	0.27	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Iron	1600	MG/KG	none
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Lead	2.1	MG/KG	none
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Magnesium	872	MG/KG	J
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Manganese	96.6	MG/KG	none
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Mercury	0.05	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Nickel	1	MG/KG	J
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Potassium	564	MG/KG	J
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Selenium	0.94	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Silver	0.17	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Sodium	192	MG/KG	J
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Thallium	1	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Vanadium	5.3	MG/KG	J

Table I-2.0-5 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Zinc	6.8	MG/KG	none
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Aluminum	390	MG/KG	none
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Antimony	7.3	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Arsenic	1.5	MG/KG	J
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Barium	11.2	MG/KG	J
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Beryllium	0.26	MG/KG	J
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Cadmium	0.14	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Calcium	493	MG/KG	J
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Chromium, Total	0.71	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Cobalt	0.85	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Copper	0.77	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Cyanide, Total	0.05	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Iron	2240	MG/KG	none
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Lead	0.87	MG/KG	none
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Magnesium	123	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Manganese	129	MG/KG	none
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Mercury	0.05	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Nickel	2	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Potassium	536	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Selenium	0.45	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Silver	0.22	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Sodium	195	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Thallium	0.59	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Vanadium	1.7	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Zinc	19.2	MG/KG	none
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Aluminum	476	MG/KG	none
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Antimony	8.3	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Arsenic	0.96	MG/KG	J
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Barium	14.4	MG/KG	J
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Beryllium	0.4	MG/KG	U

Table I-2.0-5 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Cadmium	0.16	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Calcium	976	MG/KG	J
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Chromium, Total	1.2	MG/KG	J
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Cobalt	0.97	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Copper	0.94	MG/KG	J
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Cyanide, Total	0.05	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Iron	1580	MG/KG	none
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Lead	1.4	MG/KG	none
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Magnesium	213	MG/KG	J
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Manganese	161	MG/KG	none
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Mercury	0.06	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Nickel	2.3	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Potassium	610	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Selenium	0.51	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Silver	0.25	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Sodium	173	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Thallium	0.67	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Vanadium	3.3	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Zinc	28.6	MG/KG	none
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Aluminum	2880	MG/KG	none
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Antimony	5.2	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Arsenic	0.27	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Barium	215	MG/KG	none
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Beryllium	0.41	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Cadmium	0.52	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Calcium	682	MG/KG	none
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Chromium, Total	1.6	MG/KG	none
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Cobalt	1	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Copper	1.4	MG/KG	J
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Cyanide, Total	1.1	MG/KG	U

Table I-2.0-5 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Iron	2610	MG/KG	none
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Lead	2.4	MG/KG	none
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Magnesium	148	MG/KG	J
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Manganese	129	MG/KG	J+
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Mercury	0.044	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Nickel	2.1	MG/KG	J
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Potassium	163	MG/KG	J
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Selenium	0.27	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Silver	0.52	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Sodium	363	MG/KG	J
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Thallium	0.21	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Vanadium	1.1	MG/KG	J
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Zinc	4.8	MG/KG	none
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Aluminum	224	MG/KG	none
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Antimony	5.8	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Arsenic	0.28	MG/KG	J
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Barium	14.8	MG/KG	J
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Beryllium	0.46	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Cadmium	0.58	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Calcium	619	MG/KG	none
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Chromium, Total	1.2	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Cobalt	1.2	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Copper	0.88	MG/KG	J
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Cyanide, Total	1.2	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Iron	1580	MG/KG	none
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Lead	1.5	MG/KG	none
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Magnesium	120	MG/KG	J
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Manganese	209	MG/KG	none
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Mercury	0.022	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Nickel	1.7	MG/KG	U

Table I-2.0-5 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Potassium	92.3	MG/KG	J
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Selenium	0.27	MG/KG	UJ
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Silver	0.58	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Sodium	369	MG/KG	J
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Thallium	0.22	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Vanadium	1.2	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Zinc	19.3	MG/KG	none
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Aluminum	256	MG/KG	none
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Antimony	5.7	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Arsenic	0.32	MG/KG	J
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Barium	11.3	MG/KG	J
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Beryllium	0.46	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Cadmium	0.57	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Calcium	444	MG/KG	J
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Chromium, Total	1.1	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Cobalt	1.1	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Copper	0.85	MG/KG	J
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Cyanide, Total	1.3	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Iron	1760	MG/KG	none
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Lead	2.6	MG/KG	none
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Magnesium	109	MG/KG	J
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Manganese	211	MG/KG	none
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Mercury	0.021	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Nickel	1.7	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Potassium	140	MG/KG	J
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Selenium	0.3	MG/KG	UJ
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Silver	0.57	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Sodium	378	MG/KG	J
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Thallium	0.24	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Vanadium	1.1	MG/KG	U

Table I-2.0-5 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Zinc	32.6	MG/KG	none
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Aluminum	400	MG/KG	J
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Antimony	0.75	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Arsenic	1.6	MG/KG	J
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Barium	29.9	MG/KG	J
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Beryllium	0.15	MG/KG	J
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Cadmium	0.09	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Calcium	479	MG/KG	J
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Chromium, Total	1.1	MG/KG	J
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Cobalt	0.61	MG/KG	J
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Copper	1.2	MG/KG	J
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Iron	4720	MG/KG	none
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Lead	0.61	MG/KG	J
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Magnesium	116	MG/KG	J
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Manganese	185	MG/KG	none
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Mercury	0.02	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Nickel	0.61	MG/KG	J
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Potassium	137	MG/KG	J
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Selenium	0.6	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Silver	0.27	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Sodium	75.4	MG/KG	J
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Thallium	1.4	MG/KG	J
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Vanadium	1.8	MG/KG	J
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Zinc	18.1	MG/KG	none
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Aluminum	500	MG/KG	none
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Antimony	11	MG/KG	R
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Arsenic	0.7	MG/KG	none
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Barium	12	MG/KG	none
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Beryllium	0.53	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Cadmium	0.53	MG/KG	U

Table I-2.0-5 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Calcium	500	MG/KG	none
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Chromium, Total	1.1	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Cobalt	1.1	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Copper	1.2	MG/KG	none
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Cyanide, Total	0.53	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Iron	5000	MG/KG	none
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Lead	18	MG/KG	none
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Magnesium	33	MG/KG	none
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Manganese	230	MG/KG	none
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Mercury	0.11	MG/KG	R
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Nickel	2.1	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Potassium	140	MG/KG	none
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Selenium	0.43	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Silver	2.1	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Sodium	86	MG/KG	none
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Thallium	0.27	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Vanadium	1.6	MG/KG	none
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Zinc	33	MG/KG	none
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Aluminum	350	MG/KG	none
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Antimony	10	MG/KG	R
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Arsenic	0.76	MG/KG	none
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Barium	7.4	MG/KG	none
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Beryllium	0.51	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Cadmium	0.51	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Calcium	450	MG/KG	none
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Chromium, Total	1	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Cobalt	1	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Copper	1	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Cyanide, Total	0.51	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Iron	4600	MG/KG	none

Table I-2.0-5 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Lead	33	MG/KG	none
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Magnesium	40	MG/KG	none
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Manganese	180	MG/KG	none
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Mercury	0.1	MG/KG	R
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Nickel	2	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Potassium	130	MG/KG	none
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Selenium	0.41	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Silver	2	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Sodium	77	MG/KG	none
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Thallium	0.27	MG/KG	none
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Vanadium	1.2	MG/KG	none
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Zinc	29	MG/KG	none
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Aluminum	260	MG/KG	none
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Antimony	0.46	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Arsenic	1.4	MG/KG	J
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Barium	52.7	MG/KG	none
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Beryllium	0.15	MG/KG	J
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Cadmium	0.09	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Calcium	607	MG/KG	J
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Chromium, Total	0.54	MG/KG	J
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Cobalt	0.67	MG/KG	J
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Copper	6.3	MG/KG	J
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Cyanide, Total	0.29	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Iron	1400	MG/KG	J
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Lead	1.6	MG/KG	none
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Magnesium	87	MG/KG	J
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Manganese	140	MG/KG	none
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Mercury	0.06	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Nickel	1.8	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Potassium	109	MG/KG	J

Table I-2.0-5 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Selenium	0.72	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Silver	0.16	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Sodium	86.4	MG/KG	J
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Thallium	0.88	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Vanadium	0.84	MG/KG	J
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Zinc	15.9	MG/KG	none
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Aluminum	11000	MG/KG	none
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Antimony	0.48	MG/KG	UJ
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Arsenic	3.9	MG/KG	none
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Barium	146	MG/KG	J
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Beryllium	1.5	MG/KG	none
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Cadmium	0.04	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Calcium	2750	MG/KG	none
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Chromium, Total	7.9	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Cobalt	5.7	MG/KG	J
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Copper	8.5	MG/KG	J
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Cyanide, Total	0.5	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Iron	13200	MG/KG	J
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Lead	12.5	MG/KG	none
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Magnesium	2180	MG/KG	none
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Manganese	261	MG/KG	J-
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Mercury	0.03	MG/KG	J
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Nickel	9.5	MG/KG	none
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Potassium	1570	MG/KG	none
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Selenium	0.61	MG/KG	J
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Silver	0.15	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Sodium	258	MG/KG	J
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Thallium	0.79	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Vanadium	17.9	MG/KG	none
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Zinc	27.3	MG/KG	none

Table I-2.0-5 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Aluminum	989	MG/KG	none
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Antimony	0.71	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Arsenic	1.5	MG/KG	J
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Barium	12.6	MG/KG	J
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Beryllium	0.25	MG/KG	J
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Cadmium	0.08	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Calcium	416	MG/KG	J
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Chromium, Total	0.67	MG/KG	J
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Cobalt	1	MG/KG	J
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Copper	1.4	MG/KG	J
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Iron	8210	MG/KG	none
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Lead	5.2	MG/KG	none
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Magnesium	220	MG/KG	J
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Manganese	296	MG/KG	none
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Mercury	0.02	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Nickel	0.58	MG/KG	J
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Potassium	127	MG/KG	J
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Selenium	0.56	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Silver	0.25	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Sodium	79.1	MG/KG	J
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Thallium	0.46	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Vanadium	2.5	MG/KG	J
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Zinc	44.5	MG/KG	none
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Aluminum	373	MG/KG	none
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Antimony	0.7	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Arsenic	2	MG/KG	J
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Barium	10	MG/KG	J
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Beryllium	0.15	MG/KG	J
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Cadmium	0.08	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Calcium	307	MG/KG	J

Table I-2.0-5 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Chromium, Total	0.61	MG/KG	J
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Cobalt	1.2	MG/KG	J
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Copper	1.8	MG/KG	J
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Iron	7870	MG/KG	none
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Lead	6.8	MG/KG	none
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Magnesium	157	MG/KG	J
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Manganese	283	MG/KG	none
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Mercury	0.02	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Nickel	0.57	MG/KG	J
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Potassium	145	MG/KG	J
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Selenium	0.56	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Silver	0.25	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Sodium	91.6	MG/KG	J
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Thallium	0.46	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Vanadium	2.6	MG/KG	J
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Zinc	43.5	MG/KG	none
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Aluminum	1080	MG/KG	none
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Antimony	0.77	MG/KG	none
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Arsenic	2.2	MG/KG	J
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Barium	171	MG/KG	none
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Beryllium	0.32	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Cadmium	0.09	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Calcium	498	MG/KG	J
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Chromium, Total	0.91	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Cobalt	0.74	MG/KG	J
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Copper	1	MG/KG	J
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Iron	3630	MG/KG	J
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Lead	2.2	MG/KG	none
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Magnesium	184	MG/KG	J
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Manganese	193	MG/KG	none

Table I-2.0-5 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Mercury	0.02	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Nickel	1.2	MG/KG	J
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Potassium	331	MG/KG	J
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Selenium	0.61	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Silver	0.27	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Sodium	209	MG/KG	J
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Thallium	0.5	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Vanadium	1.3	MG/KG	J
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Zinc	12.4	MG/KG	none
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Aluminum	264	MG/KG	J
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Antimony	5.19	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Arsenic	0.24	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Barium	7.35	MG/KG	J
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Beryllium	0.416	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Cadmium	0.519	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Calcium	577	MG/KG	none
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Chromium, Total	1.04	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Cobalt	1.04	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Copper	0.598	MG/KG	J
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Cyanide, Total	1.17	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Iron	1940	MG/KG	J
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Lead	1.65	MG/KG	none
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Magnesium	93.7	MG/KG	J
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Manganese	144	MG/KG	R
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Mercury	0.012	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Nickel	1.56	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Potassium	72.7	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Selenium	0.262	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Silver	0.519	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Sodium	330	MG/KG	J

Table I-2.0-5 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Thallium	0.189	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Vanadium	1.04	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Zinc	13	MG/KG	J
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Aluminum	1120	MG/KG	none
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Antimony	0.77	MG/KG	UJ
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Arsenic	1.9	MG/KG	J
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Barium	30.7	MG/KG	J
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Beryllium	0.39	MG/KG	J
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Cadmium	0.09	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Calcium	692	MG/KG	J
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Chromium, Total	1.1	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Cobalt	0.74	MG/KG	J
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Copper	1.2	MG/KG	J
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Cyanide, Total	0.5	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Iron	4540	MG/KG	none
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Lead	1.2	MG/KG	none
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Magnesium	204	MG/KG	J
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Manganese	242	MG/KG	none
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Mercury	0.02	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Nickel	0.23	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Potassium	193	MG/KG	J
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Selenium	0.61	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Silver	0.27	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Sodium	95	MG/KG	J
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Thallium	0.5	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Vanadium	1.5	MG/KG	J
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Zinc	17	MG/KG	none
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Aluminum	960	MG/KG	J
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Antimony	6.2	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Arsenic	0.31	MG/KG	J

Table I-2.0-5 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Barium	10.2	MG/KG	J
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Beryllium	0.5	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Cadmium	0.62	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Calcium	592	MG/KG	J
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Chromium, Total	1.2	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Cobalt	1.2	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Copper	0.62	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Cyanide, Total	1.4	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Iron	1420	MG/KG	J
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Lead	2.3	MG/KG	none
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Magnesium	238	MG/KG	J
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Manganese	100	MG/KG	J
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Mercury	0.016	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Nickel	1.9	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Potassium	184	MG/KG	J
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Selenium	0.3	MG/KG	UJ
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Silver	0.62	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Sodium	425	MG/KG	J
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Thallium	0.24	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Vanadium	1.2	MG/KG	J
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Zinc	9.2	MG/KG	J-
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Aluminum	1490	MG/KG	J
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Antimony	6.2	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Arsenic	0.3	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Barium	22.9	MG/KG	J
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Beryllium	0.5	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Cadmium	0.62	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Calcium	634	MG/KG	none
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Chromium, Total	1.2	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Cobalt	1.2	MG/KG	U

Table I-2.0-5 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Copper	1.2	MG/KG	J
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Cyanide, Total	1.4	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Iron	1630	MG/KG	J
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Lead	2.4	MG/KG	none
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Magnesium	632	MG/KG	none
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Manganese	269	MG/KG	J
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Mercury	0.016	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Nickel	1.9	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Potassium	452	MG/KG	J
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Selenium	0.3	MG/KG	UJ
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Silver	0.62	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Sodium	492	MG/KG	J
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Thallium	0.24	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Vanadium	1.2	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Zinc	21.6	MG/KG	J-
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Aluminum	553	MG/KG	none
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Antimony	5.2	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Arsenic	1.3	MG/KG	none
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Barium	17.7	MG/KG	none
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Beryllium	0.41	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Cadmium	0.52	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Calcium	479	MG/KG	J
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Chromium, Total	1	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Cobalt	1	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Copper	0.53	MG/KG	J
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Cyanide, Total	1.1	MG/KG	UJ
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Iron	1680	MG/KG	none
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Lead	2	MG/KG	none
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Magnesium	66.6	MG/KG	J
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Manganese	142	MG/KG	J

Table I-2.0-5 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Mercury	0.028	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Nickel	1.6	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Potassium	183	MG/KG	J
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Selenium	0.28	MG/KG	UJ
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Silver	0.52	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Sodium	150	MG/KG	J
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Thallium	0.28	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Vanadium	1	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Zinc	5.9	MG/KG	none
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Aluminum	226	MG/KG	none
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Antimony	4.6	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Arsenic	0.24	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Barium	9.2	MG/KG	none
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Beryllium	0.37	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Cadmium	0.46	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Calcium	376	MG/KG	J
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Chromium, Total	0.92	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Cobalt	0.92	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Copper	0.83	MG/KG	J
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Cyanide, Total	1.1	MG/KG	UJ
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Iron	3410	MG/KG	none
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Lead	6.3	MG/KG	none
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Magnesium	158	MG/KG	J
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Manganese	193	MG/KG	J
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Mercury	0.022	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Nickel	1.4	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Potassium	81.3	MG/KG	J
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Selenium	0.24	MG/KG	UJ
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Silver	0.46	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Sodium	223	MG/KG	J

Table I-2.0-5 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Thallium	0.24	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Vanadium	0.92	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Zinc	20.8	MG/KG	none
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Aluminum	780	MG/KG	none
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Antimony	11	MG/KG	UJ
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Arsenic	3.3	MG/KG	none
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Barium	23	MG/KG	UJ
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Beryllium	0.54	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Cadmium	0.54	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Calcium	620	MG/KG	none
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Chromium, Total	1.1	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Cobalt	1.1	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Copper	1.1	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Cyanide, Total	0.54	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Iron	3800	MG/KG	none
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Lead	1.2	MG/KG	none
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Magnesium	170	MG/KG	none
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Manganese	230	MG/KG	J-
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Mercury	0.11	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Nickel	2.2	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Potassium	170	MG/KG	none
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Selenium	0.54	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Silver	2.2	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Sodium	120	MG/KG	none
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Thallium	0.27	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Vanadium	1.1	MG/KG	none
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Zinc	15	MG/KG	none
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Aluminum	472	MG/KG	none
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Antimony	8.1	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Arsenic	0.52	MG/KG	J

Table I-2.0-5 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Barium	13.1	MG/KG	J
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Beryllium	0.35	MG/KG	J
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Cadmium	0.69	MG/KG	J
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Calcium	382	MG/KG	J
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Chromium, Total	0.8	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Cobalt	0.34	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Copper	3.2	MG/KG	J
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Cyanide, Total	0.26	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Iron	5100	MG/KG	none
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Lead	5.1	MG/KG	none
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Magnesium	229	MG/KG	J
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Manganese	238	MG/KG	J-
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Mercury	0.05	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Nickel	2.1	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Potassium	103	MG/KG	J
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Selenium	0.29	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Silver	0.8	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Sodium	79	MG/KG	J
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Thallium	0.15	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Vanadium	0.9	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Zinc	30.5	MG/KG	none
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Aluminum	220	MG/KG	none
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Antimony	8.3	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Arsenic	0.42	MG/KG	J
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Barium	7.7	MG/KG	J
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Beryllium	0.43	MG/KG	J
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Cadmium	0.62	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Calcium	332	MG/KG	J
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Chromium, Total	0.82	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Cobalt	0.35	MG/KG	U

Table I-2.0-5 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Copper	3.3	MG/KG	J
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Cyanide, Total	0.26	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Iron	3000	MG/KG	none
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Lead	3.3	MG/KG	none
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Magnesium	136	MG/KG	J
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Manganese	159	MG/KG	J-
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Mercury	0.05	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Nickel	2.2	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Potassium	84.6	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Selenium	0.3	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Silver	0.82	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Sodium	53.8	MG/KG	J
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Thallium	0.16	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Vanadium	0.92	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Zinc	20.3	MG/KG	none
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Aluminum	4890	MG/KG	J
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Antimony	0.75	MG/KG	none
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Arsenic	5.2	MG/KG	none
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Barium	60.2	MG/KG	none
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Beryllium	1.4	MG/KG	none
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Cadmium	0.09	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Calcium	1410	MG/KG	none
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Chromium, Total	2.8	MG/KG	none
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Cobalt	1.1	MG/KG	J
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Copper	2.4	MG/KG	J
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Cyanide, Total	0.5	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Iron	9350	MG/KG	none
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Lead	10.9	MG/KG	none
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Magnesium	1690	MG/KG	none
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Manganese	173	MG/KG	none

Table I-2.0-5 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Mercury	0.02	MG/KG	J
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Nickel	2.4	MG/KG	J
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Potassium	931	MG/KG	J
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Selenium	0.59	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Silver	0.26	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Sodium	55	MG/KG	J
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Thallium	0.48	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Vanadium	13.2	MG/KG	none
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Zinc	26.7	MG/KG	none
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Aluminum	1360	MG/KG	none
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Antimony	0.74	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Arsenic	8.2	MG/KG	none
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Barium	13.4	MG/KG	J
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Beryllium	0.43	MG/KG	J
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Cadmium	0.09	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Calcium	618	MG/KG	J
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Chromium, Total	0.74	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Cobalt	3.1	MG/KG	J
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Copper	29.6	MG/KG	none
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Cyanide, Total	0.5	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Iron	6280	MG/KG	none
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Lead	9.7	MG/KG	none
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Magnesium	277	MG/KG	J
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Manganese	76.4	MG/KG	none
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Mercury	0.02	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Nickel	4.2	MG/KG	J
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Potassium	489	MG/KG	J
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Selenium	0.58	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Silver	0.26	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Sodium	258	MG/KG	J

Table I-2.0-5 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Thallium	0.48	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Vanadium	2.5	MG/KG	J
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Zinc	38.7	MG/KG	none
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Aluminum	387	MG/KG	J
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Antimony	0.71	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Arsenic	2.3	MG/KG	none
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Barium	10.4	MG/KG	J
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Beryllium	0.25	MG/KG	J
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Cadmium	0.08	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Calcium	345	MG/KG	J
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Chromium, Total	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Cobalt	0.63	MG/KG	J
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Copper	1.6	MG/KG	J
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Cyanide, Total	0.5	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Iron	6010	MG/KG	none
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Lead	6.6	MG/KG	none
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Magnesium	113	MG/KG	J
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Manganese	210	MG/KG	none
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Mercury	0.02	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Nickel	0.89	MG/KG	J
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Potassium	154	MG/KG	J
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Selenium	0.57	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Silver	0.25	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Sodium	58.9	MG/KG	J
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Thallium	0.46	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Vanadium	1.8	MG/KG	J
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Zinc	30.2	MG/KG	none
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Aluminum	330	MG/KG	none
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Antimony	0.71	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Arsenic	2	MG/KG	J

Table I-2.0-5 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Barium	9.3	MG/KG	J
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Beryllium	0.26	MG/KG	J
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Cadmium	0.08	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Calcium	315	MG/KG	J
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Chromium, Total	0.34	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Cobalt	0.61	MG/KG	J
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Copper	0.44	MG/KG	J
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Cyanide, Total	0.5	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Iron	5720	MG/KG	none
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Lead	3.6	MG/KG	none
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Magnesium	116	MG/KG	J
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Manganese	238	MG/KG	none
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Mercury	0.02	MG/KG	J
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Nickel	0.47	MG/KG	J
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Potassium	154	MG/KG	J
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Selenium	0.56	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Silver	0.25	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Sodium	57.9	MG/KG	J
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Thallium	0.46	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Vanadium	1.7	MG/KG	J
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Zinc	31.6	MG/KG	none
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Aluminum	532	MG/KG	none
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Antimony	0.76	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Arsenic	1.6	MG/KG	J
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Barium	116	MG/KG	none
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Beryllium	0.17	MG/KG	J
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Cadmium	0.09	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Calcium	484	MG/KG	J
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Chromium, Total	1.8	MG/KG	J
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Cobalt	0.58	MG/KG	J

Table I-2.0-5 (concluded)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Copper	1.3	MG/KG	J
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Iron	4860	MG/KG	none
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Lead	0.78	MG/KG	none
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Magnesium	172	MG/KG	J
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Manganese	152	MG/KG	none
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Mercury	0.02	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Nickel	0.62	MG/KG	J
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Potassium	180	MG/KG	J
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Selenium	0.6	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Silver	0.27	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Sodium	77.5	MG/KG	J
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Thallium	0.079	MG/KG	J
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Vanadium	1.9	MG/KG	J
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Zinc	18.2	MG/KG	none

Table I-2.0-6

High Explosive Chemicals in Borehole Soil and Tuff Samples

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Dinitrobenzene[1,3-]	0.498	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Dinitrotoluene[2,4-]	0.498	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Dinitrotoluene[2,6-]	0.498	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	HMX	1.15	MG/KG	none
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Nitrobenzene	0.498	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Nitrotoluene[2-]	0.498	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Nitrotoluene[3-]	0.498	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Nitrotoluene[4-]	0.498	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	RDX	4.83	MG/KG	none
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Tetryl	0.498	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Trinitrobenzene[1,3,5-]	0.498	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Trinitrotoluene[2,4,6-]	1.24	MG/KG	none
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Amino-2,6-dinitrotoluene[4-]	0.47	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Dinitrobenzene[1,3-]	0.24	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Dinitrotoluene[2,4-]	0.24	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Dinitrotoluene[2,6-]	0.25	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	HMX	1700	MG/KG	none
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Nitrobenzene	0.25	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Nitrotoluene[2-]	0.95	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Nitrotoluene[3-]	0.95	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Nitrotoluene[4-]	2.8	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	RDX	4500	MG/KG	none
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Tetryl	0.71	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Trinitrobenzene[1,3,5-]	0.7	MG/KG	none
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Trinitrotoluene[2,4,6-]	3500	MG/KG	none
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Amino-2,6-dinitrotoluene[4-]	0.085	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Amino-4,6-dinitrotoluene[2-]	1.04	MG/KG	J+

Table I-2.0-6 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Dinitrobenzene[1,3-]	0.081	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Dinitrotoluene[2,4-]	0.149	MG/KG	J+
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Dinitrotoluene[2,6-]	0.081	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	HMX	315	MG/KG	J+
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Nitrobenzene	0.085	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Nitrotoluene[2-]	0.147	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Nitrotoluene[3-]	0.177	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Nitrotoluene[4-]	0.179	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	RDX	908	MG/KG	J+
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Tetryl	0.093	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Trinitrobenzene[1,3,5-]	0.269	MG/KG	J+
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Trinitrotoluene[2,4,6-]	424	MG/KG	J+
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Amino-2,6-dinitrotoluene[4-]	3	MG/KG	none
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Dinitrobenzene[1,3-]	0.24	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Dinitrotoluene[2,4-]	0.24	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Dinitrotoluene[2,6-]	0.25	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	HMX	3.1	MG/KG	none
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Nitrobenzene	0.25	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Nitrotoluene[2-]	0.97	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Nitrotoluene[3-]	0.97	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Nitrotoluene[4-]	2.9	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	RDX	15	MG/KG	none
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Tetryl	0.72	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Trinitrobenzene[1,3,5-]	1.6	MG/KG	none
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Trinitrotoluene[2,4,6-]	7.9	MG/KG	none
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Amino-2,6-dinitrotoluene[4-]	0.085	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Amino-4,6-dinitrotoluene[2-]	1.45	MG/KG	none
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Dinitrobenzene[1,3-]	0.081	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Dinitrotoluene[2,4-]	0.225	MG/KG	none
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Dinitrotoluene[2,6-]	0.081	MG/KG	U

Table I-2.0-6 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	HMX	278	MG/KG	none
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Nitrobenzene	0.085	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Nitrotoluene[2-]	0.147	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Nitrotoluene[3-]	0.177	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Nitrotoluene[4-]	0.179	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	RDX	477	MG/KG	none
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Tetryl	0.093	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Trinitrobenzene[1,3,5-]	0.195	MG/KG	none
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Trinitrotoluene[2,4,6-]	143	MG/KG	none
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Amino-2,6-dinitrotoluene[4-]	0.25	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Amino-4,6-dinitrotoluene[2-]	0.25	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Dinitrobenzene[1,3-]	0.25	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Dinitrotoluene[2,4-]	0.25	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Dinitrotoluene[2,6-]	0.26	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	HMX	2.2	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Nitrobenzene	0.26	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Nitrotoluene[2-]	0.25	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Nitrotoluene[3-]	0.25	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Nitrotoluene[4-]	0.25	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	RDX	1	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Tetryl	0.65	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Trinitrobenzene[1,3,5-]	0.25	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Trinitrotoluene[2,4,6-]	0.25	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Amino-2,6-dinitrotoluene[4-]	0.25	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Amino-4,6-dinitrotoluene[2-]	0.25	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Dinitrobenzene[1,3-]	0.25	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Dinitrotoluene[2,4-]	0.25	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Dinitrotoluene[2,6-]	0.26	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	HMX	2.2	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Nitrobenzene	0.26	MG/KG	U

Table I-2.0-6 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Nitrotoluene[2-]	0.25	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Nitrotoluene[3-]	0.25	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Nitrotoluene[4-]	0.25	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	RDX	1	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Tetryl	0.65	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Trinitrobenzene[1,3,5-]	0.25	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Trinitrotoluene[2,4,6-]	0.25	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Amino-2,6-dinitrotoluene[4-]	0.495	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Amino-4,6-dinitrotoluene[2-]	0.495	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Dinitrobenzene[1,3-]	0.495	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Dinitrotoluene[2,4-]	0.495	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Dinitrotoluene[2,6-]	0.495	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	HMX	0.495	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Nitrobenzene	0.495	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Nitrotoluene[2-]	0.495	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Nitrotoluene[3-]	0.495	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Nitrotoluene[4-]	0.495	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	RDX	2.4	MG/KG	none
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Tetryl	0.495	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Trinitrobenzene[1,3,5-]	6.49	MG/KG	none
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Trinitrotoluene[2,4,6-]	0.495	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Amino-2,6-dinitrotoluene[4-]	0.498	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Amino-4,6-dinitrotoluene[2-]	0.498	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Dinitrobenzene[1,3-]	0.498	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Dinitrotoluene[2,4-]	0.498	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Dinitrotoluene[2,6-]	0.498	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	HMX	0.498	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Nitrobenzene	0.498	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Nitrotoluene[2-]	0.498	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Nitrotoluene[3-]	0.498	MG/KG	U

Table I-2.0-6 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Nitrotoluene[4-]	0.498	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	RDX	2.78	MG/KG	none
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Tetryl	0.498	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Trinitrobenzene[1,3,5-]	3.04	MG/KG	none
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Trinitrotoluene[2,4,6-]	0.498	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Amino-2,6-dinitrotoluene[4-]	0.25	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Amino-4,6-dinitrotoluene[2-]	0.25	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Dinitrobenzene[1,3-]	0.25	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Dinitrotoluene[2,4-]	0.25	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Dinitrotoluene[2,6-]	0.26	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	HMX	2.2	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Nitrobenzene	0.26	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Nitrotoluene[2-]	0.25	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Nitrotoluene[3-]	0.25	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Nitrotoluene[4-]	0.25	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	RDX	1	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Tetryl	0.65	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Trinitrobenzene[1,3,5-]	0.25	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Trinitrotoluene[2,4,6-]	0.25	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Amino-2,6-dinitrotoluene[4-]	0.085	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Amino-4,6-dinitrotoluene[2-]	0.083	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Dinitrobenzene[1,3-]	0.08	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Dinitrotoluene[2,4-]	0.061	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Dinitrotoluene[2,6-]	0.08	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	HMX	0.162	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Nitrobenzene	0.091	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Nitrotoluene[2-]	0.162	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Nitrotoluene[3-]	0.159	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Nitrotoluene[4-]	0.161	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	RDX	0.162	MG/KG	U

Table I-2.0-6 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Tetryl	0.105	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Trinitrobenzene[1,3,5-]	0.081	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Trinitrotoluene[2,4,6-]	0.085	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Amino-2,6-dinitrotoluene[4-]	0.5	MG/KG	J-
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Dinitrobenzene[1,3-]	0.25	MG/KG	J-
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Dinitrotoluene[2,4-]	0.25	MG/KG	J-
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Dinitrotoluene[2,6-]	0.26	MG/KG	J-
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	HMX	2.2	MG/KG	J-
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Nitrobenzene	0.26	MG/KG	J-
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	RDX	0.99	MG/KG	J-
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Tetryl	0.74	MG/KG	R
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Tetryl	0.74	MG/KG	R
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Trinitrobenzene[1,3,5-]	0.25	MG/KG	J-
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Trinitrotoluene[2,4,6-]	0.25	MG/KG	J-
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Amino-2,6-dinitrotoluene[4-]	0.084	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Amino-4,6-dinitrotoluene[2-]	0.092	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Dinitrobenzene[1,3-]	0.08	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Dinitrotoluene[2,4-]	0.06	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Dinitrotoluene[2,6-]	0.08	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	HMX	0.161	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Nitrobenzene	0.09	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Nitrotoluene[2-]	0.161	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Nitrotoluene[3-]	0.159	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Nitrotoluene[4-]	0.161	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	RDX	0.161	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Tetryl	0.104	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Trinitrobenzene[1,3,5-]	0.08	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Trinitrotoluene[2,4,6-]	0.084	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Amino-2,6-dinitrotoluene[4-]	0.084	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Amino-4,6-dinitrotoluene[2-]	0.082	MG/KG	U

Table I-2.0-6 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Dinitrobenzene[1,3-]	0.079	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Dinitrotoluene[2,4-]	0.06	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Dinitrotoluene[2,6-]	0.08	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	HMX	0.161	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Nitrobenzene	0.09	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Nitrotoluene[2-]	0.16	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Nitrotoluene[3-]	0.158	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Nitrotoluene[4-]	0.16	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	RDX	0.161	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Tetryl	0.104	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Trinitrobenzene[1,3,5-]	0.08	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Trinitrotoluene[2,4,6-]	0.084	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Amino-2,6-dinitrotoluene[4-]	0.085	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Amino-4,6-dinitrotoluene[2-]	0.083	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Dinitrobenzene[1,3-]	0.08	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Dinitrotoluene[2,4-]	0.061	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Dinitrotoluene[2,6-]	0.081	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	HMX	0.163	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Nitrobenzene	0.091	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Nitrotoluene[2-]	0.162	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Nitrotoluene[3-]	0.16	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Nitrotoluene[4-]	0.162	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	RDX	0.163	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Tetryl	0.105	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Trinitrobenzene[1,3,5-]	0.081	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Trinitrotoluene[2,4,6-]	0.085	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Amino-2,6-dinitrotoluene[4-]	0.085	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Amino-4,6-dinitrotoluene[2-]	0.083	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Dinitrobenzene[1,3-]	0.08	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Dinitrotoluene[2,4-]	0.055	MG/KG	U

Table I-2.0-6 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Dinitrotoluene[2,6-]	0.064	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	HMX	0.162	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Nitrobenzene	0.091	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Nitrotoluene[2-]	0.162	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Nitrotoluene[3-]	0.16	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Nitrotoluene[4-]	0.162	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	RDX	0.162	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Tetryl	0.105	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Trinitrobenzene[1,3,5-]	0.081	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Trinitrotoluene[2,4,6-]	0.085	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Amino-2,6-dinitrotoluene[4-]	0.084	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Amino-4,6-dinitrotoluene[2-]	0.082	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Dinitrobenzene[1,3-]	0.079	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Dinitrotoluene[2,4-]	0.054	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Dinitrotoluene[2,6-]	0.064	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	HMX	0.16	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Nitrobenzene	0.09	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Nitrotoluene[2-]	0.16	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Nitrotoluene[3-]	0.158	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Nitrotoluene[4-]	0.16	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	RDX	0.16	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Tetryl	0.104	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Trinitrobenzene[1,3,5-]	0.08	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Trinitrotoluene[2,4,6-]	0.084	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Amino-2,6-dinitrotoluene[4-]	0.084	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Amino-4,6-dinitrotoluene[2-]	0.082	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Dinitrobenzene[1,3-]	0.079	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Dinitrotoluene[2,4-]	0.054	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Dinitrotoluene[2,6-]	0.064	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	HMX	0.161	MG/KG	U

Table I-2.0-6 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Nitrobenzene	0.09	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Nitrotoluene[2-]	0.16	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Nitrotoluene[3-]	0.158	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Nitrotoluene[4-]	0.16	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	RDX	0.161	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Tetryl	0.104	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Trinitrobenzene[1,3,5-]	0.08	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Trinitrotoluene[2,4,6-]	0.084	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Amino-2,6-dinitrotoluene[4-]	0.5	MG/KG	UJ
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Dinitrobenzene[1,3-]	0.25	MG/KG	UJ
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Dinitrotoluene[2,4-]	0.25	MG/KG	UJ
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Dinitrotoluene[2,6-]	0.26	MG/KG	UJ
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	HMX	2.2	MG/KG	UJ
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Nitrobenzene	0.26	MG/KG	UJ
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	RDX	1	MG/KG	UJ
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Tetryl	0.75	MG/KG	R
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Trinitrobenzene[1,3,5-]	0.25	MG/KG	UJ
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Trinitrotoluene[2,4,6-]	0.25	MG/KG	UJ
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Amino-2,6-dinitrotoluene[4-]	0.49	MG/KG	UJ
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Dinitrobenzene[1,3-]	0.24	MG/KG	UJ
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Dinitrotoluene[2,4-]	0.24	MG/KG	UJ
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Dinitrotoluene[2,6-]	0.25	MG/KG	UJ
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	HMX	2.1	MG/KG	UJ
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Nitrobenzene	0.25	MG/KG	UJ
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	RDX	0.97	MG/KG	UJ
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Tetryl	0.73	MG/KG	UJ
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Trinitrobenzene[1,3,5-]	0.24	MG/KG	UJ
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Trinitrotoluene[2,4,6-]	0.24	MG/KG	UJ
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Amino-2,6-dinitrotoluene[4-]	0.084	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Amino-4,6-dinitrotoluene[2-]	0.082	MG/KG	U

Table I-2.0-6 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Dinitrobenzene[1,3-]	0.079	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Dinitrotoluene[2,4-]	0.06	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Dinitrotoluene[2,6-]	0.08	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	HMX	0.161	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Nitrobenzene	0.09	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Nitrotoluene[2-]	0.16	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Nitrotoluene[3-]	0.158	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Nitrotoluene[4-]	0.16	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	RDX	0.161	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Tetryl	0.104	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Trinitrobenzene[1,3,5-]	0.08	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Trinitrotoluene[2,4,6-]	0.084	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Amino-2,6-dinitrotoluene[4-]	0.084	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Amino-4,6-dinitrotoluene[2-]	0.082	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Dinitrobenzene[1,3-]	0.079	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Dinitrotoluene[2,4-]	0.06	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Dinitrotoluene[2,6-]	0.08	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	HMX	0.161	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Nitrobenzene	0.09	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Nitrotoluene[2-]	0.16	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Nitrotoluene[3-]	0.158	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Nitrotoluene[4-]	0.16	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	RDX	0.161	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Tetryl	0.104	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Trinitrobenzene[1,3,5-]	0.08	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Trinitrotoluene[2,4,6-]	0.084	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Amino-2,6-dinitrotoluene[4-]	0.381	MG/KG	none
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Amino-4,6-dinitrotoluene[2-]	0.515	MG/KG	none
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Dinitrobenzene[1,3-]	0.088	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Dinitrotoluene[2,4-]	0.067	MG/KG	U

Table I-2.0-6 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Dinitrotoluene[2,6-]	0.088	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	HMX	32.8	MG/KG	none
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Nitrobenzene	0.099	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Nitrotoluene[2-]	0.174	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Nitrotoluene[3-]	0.228	MG/KG	none
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Nitrotoluene[4-]	0.177	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	RDX	16.8	MG/KG	none
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Tetryl	0.102	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Trinitrobenzene[1,3,5-]	0.631	MG/KG	none
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Trinitrotoluene[2,4,6-]	4.14	MG/KG	none
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Amino-2,6-dinitrotoluene[4-]	0.087	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Amino-4,6-dinitrotoluene[2-]	0.084	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Dinitrobenzene[1,3-]	0.083	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Dinitrotoluene[2,4-]	0.062	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Dinitrotoluene[2,6-]	0.082	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	HMX	0.168	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Nitrobenzene	0.093	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Nitrotoluene[2-]	0.163	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Nitrotoluene[3-]	0.18	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Nitrotoluene[4-]	0.166	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	RDX	0.897	MG/KG	none
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Tetryl	0.096	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Trinitrobenzene[1,3,5-]	0.886	MG/KG	none
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Trinitrotoluene[2,4,6-]	0.087	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Amino-2,6-dinitrotoluene[4-]	0.088	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Amino-4,6-dinitrotoluene[2-]	0.085	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Dinitrobenzene[1,3-]	0.083	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Dinitrotoluene[2,4-]	0.063	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Dinitrotoluene[2,6-]	0.083	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	HMX	0.169	MG/KG	U

Table I-2.0-6 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Nitrobenzene	0.094	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Nitrotoluene[2-]	0.165	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Nitrotoluene[3-]	0.181	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Nitrotoluene[4-]	0.167	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	RDX	0.508	MG/KG	none
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Tetryl	0.096	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Trinitrobenzene[1,3,5-]	0.498	MG/KG	none
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Trinitrotoluene[2,4,6-]	0.087	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Amino-2,6-dinitrotoluene[4-]	2.5	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Amino-4,6-dinitrotoluene[2-]	2.5	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Dinitrobenzene[1,3-]	2.5	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Dinitrotoluene[2,4-]	2.5	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Dinitrotoluene[2,6-]	2.6	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	HMX	47	MG/KG	none
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Nitrobenzene	2.6	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Nitrotoluene[2-]	2.5	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Nitrotoluene[3-]	2.5	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Nitrotoluene[4-]	2.5	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	RDX	10	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Tetryl	6.5	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Trinitrobenzene[1,3,5-]	2.5	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Trinitrotoluene[2,4,6-]	2.5	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Amino-2,6-dinitrotoluene[4-]	0.25	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Amino-4,6-dinitrotoluene[2-]	0.25	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Dinitrobenzene[1,3-]	0.25	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Dinitrotoluene[2,4-]	0.25	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Dinitrotoluene[2,6-]	0.26	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	HMX	2.2	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Nitrobenzene	0.26	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Nitrotoluene[2-]	0.25	MG/KG	U

Table I-2.0-6 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Nitrotoluene[3-]	0.25	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Nitrotoluene[4-]	0.25	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	RDX	1	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Tetryl	0.65	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Trinitrobenzene[1,3,5-]	0.25	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Trinitrotoluene[2,4,6-]	0.25	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Amino-2,6-dinitrotoluene[4-]	0.25	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Amino-4,6-dinitrotoluene[2-]	0.25	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Dinitrobenzene[1,3-]	0.25	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Dinitrotoluene[2,4-]	0.25	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Dinitrotoluene[2,6-]	0.26	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	HMX	2.2	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Nitrobenzene	0.26	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Nitrotoluene[2-]	0.25	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Nitrotoluene[3-]	0.25	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Nitrotoluene[4-]	0.25	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	RDX	1	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Tetryl	0.65	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Trinitrobenzene[1,3,5-]	0.25	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Trinitrotoluene[2,4,6-]	0.25	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Amino-2,6-dinitrotoluene[4-]	0.49	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Dinitrobenzene[1,3-]	0.25	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Dinitrotoluene[2,4-]	0.25	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Dinitrotoluene[2,6-]	0.26	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	HMX	14	MG/KG	none
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Nitrobenzene	0.26	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	RDX	0.99	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Tetryl	0.74	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Trinitrobenzene[1,3,5-]	0.25	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Trinitrotoluene[2,4,6-]	0.25	MG/KG	U

Table I-2.0-6 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Amino-2,6-dinitrotoluene[4-]	0.25	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Amino-4,6-dinitrotoluene[2-]	0.25	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Dinitrobenzene[1,3-]	0.25	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Dinitrotoluene[2,4-]	0.25	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Dinitrotoluene[2,6-]	0.26	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	HMX	2.2	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Nitrobenzene	0.26	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Nitrotoluene[2-]	0.25	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Nitrotoluene[3-]	0.25	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Nitrotoluene[4-]	0.25	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	RDX	1	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Tetryl	0.65	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Trinitrobenzene[1,3,5-]	0.25	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Trinitrotoluene[2,4,6-]	0.25	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Amino-2,6-dinitrotoluene[4-]	0.25	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Amino-4,6-dinitrotoluene[2-]	0.25	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Dinitrobenzene[1,3-]	0.25	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Dinitrotoluene[2,4-]	0.25	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Dinitrotoluene[2,6-]	0.26	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	HMX	2.2	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Nitrobenzene	0.26	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Nitrotoluene[2-]	0.25	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Nitrotoluene[3-]	0.25	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Nitrotoluene[4-]	0.25	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	RDX	1	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Tetryl	0.65	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Trinitrobenzene[1,3,5-]	0.25	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Trinitrotoluene[2,4,6-]	0.25	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Amino-2,6-dinitrotoluene[4-]	0.25	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Amino-4,6-dinitrotoluene[2-]	0.25	MG/KG	U

Table I-2.0-6 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Dinitrobenzene[1,3-]	0.25	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Dinitrotoluene[2,4-]	0.25	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Dinitrotoluene[2,6-]	0.26	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	HMX	2.2	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Nitrobenzene	0.26	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Nitrotoluene[2-]	0.25	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Nitrotoluene[3-]	0.25	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Nitrotoluene[4-]	0.25	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	RDX	1	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Tetryl	0.65	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Trinitrobenzene[1,3,5-]	0.25	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Trinitrotoluene[2,4,6-]	0.25	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Amino-2,6-dinitrotoluene[4-]	0.25	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Amino-4,6-dinitrotoluene[2-]	0.25	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Dinitrobenzene[1,3-]	0.25	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Dinitrotoluene[2,4-]	0.25	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Dinitrotoluene[2,6-]	0.26	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	HMX	2.5	MG/KG	none
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Nitrobenzene	0.26	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Nitrotoluene[2-]	0.25	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Nitrotoluene[3-]	0.25	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Nitrotoluene[4-]	0.25	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	RDX	1.3	MG/KG	none
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Tetryl	0.65	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Trinitrobenzene[1,3,5-]	0.25	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Trinitrotoluene[2,4,6-]	0.35	MG/KG	none
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Amino-2,6-dinitrotoluene[4-]	0.098	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Amino-4,6-dinitrotoluene[2-]	0.095	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Dinitrobenzene[1,3-]	0.093	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Dinitrotoluene[2,4-]	0.07	MG/KG	U

Table I-2.0-6 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Dinitrotoluene[2,6-]	0.093	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	HMX	1.69	MG/KG	none
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Nitrobenzene	0.105	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Nitrotoluene[2-]	0.184	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Nitrotoluene[3-]	0.625	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Nitrotoluene[4-]	0.186	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	RDX	0.855	MG/KG	none
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Tetryl	0.108	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Trinitrobenzene[1,3,5-]	0.197	MG/KG	none
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Trinitrotoluene[2,4,6-]	0.364	MG/KG	none
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Amino-2,6-dinitrotoluene[4-]	0.25	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Amino-4,6-dinitrotoluene[2-]	0.25	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Dinitrobenzene[1,3-]	0.25	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Dinitrotoluene[2,4-]	0.25	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Dinitrotoluene[2,6-]	0.26	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	HMX	9.2	MG/KG	none
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Nitrobenzene	0.26	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Nitrotoluene[2-]	0.25	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Nitrotoluene[3-]	0.25	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Nitrotoluene[4-]	0.25	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	RDX	1	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Tetryl	0.65	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Trinitrobenzene[1,3,5-]	0.25	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Trinitrotoluene[2,4,6-]	0.25	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Amino-2,6-dinitrotoluene[4-]	0.084	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Amino-4,6-dinitrotoluene[2-]	0.082	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Dinitrobenzene[1,3-]	0.08	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Dinitrotoluene[2,4-]	0.06	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Dinitrotoluene[2,6-]	0.08	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	HMX	0.224	MG/KG	none

Table I-2.0-6 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Nitrobenzene	0.09	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Nitrotoluene[2-]	0.161	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Nitrotoluene[3-]	0.158	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Nitrotoluene[4-]	0.16	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	RDX	0.489	MG/KG	none
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Tetryl	0.104	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Trinitrobenzene[1,3,5-]	0.815	MG/KG	none
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Trinitrotoluene[2,4,6-]	0.084	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Amino-2,6-dinitrotoluene[4-]	0.084	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Amino-4,6-dinitrotoluene[2-]	0.082	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Dinitrobenzene[1,3-]	0.08	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Dinitrotoluene[2,4-]	0.06	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Dinitrotoluene[2,6-]	0.08	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	HMX	1.46	MG/KG	none
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Nitrobenzene	0.09	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Nitrotoluene[2-]	0.161	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Nitrotoluene[3-]	0.159	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Nitrotoluene[4-]	0.161	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	RDX	3.51	MG/KG	none
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Tetryl	0.104	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Trinitrobenzene[1,3,5-]	2.31	MG/KG	none
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Trinitrotoluene[2,4,6-]	0.084	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Amino-2,6-dinitrotoluene[4-]	0.084	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Amino-4,6-dinitrotoluene[2-]	0.117	MG/KG	none
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Dinitrobenzene[1,3-]	0.08	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Dinitrotoluene[2,4-]	0.06	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Dinitrotoluene[2,6-]	0.08	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	HMX	0.359	MG/KG	none
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Nitrobenzene	0.09	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Nitrotoluene[2-]	0.161	MG/KG	U

Table I-2.0-6 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Nitrotoluene[3-]	0.158	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Nitrotoluene[4-]	0.16	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	RDX	1.26	MG/KG	none
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Tetryl	0.104	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Trinitrobenzene[1,3,5-]	0.08	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Trinitrotoluene[2,4,6-]	0.084	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Amino-2,6-dinitrotoluene[4-]	0.084	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Amino-4,6-dinitrotoluene[2-]	0.082	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Dinitrobenzene[1,3-]	0.08	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Dinitrotoluene[2,4-]	0.06	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Dinitrotoluene[2,6-]	0.08	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	HMX	0.161	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Nitrobenzene	0.09	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Nitrotoluene[2-]	0.161	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Nitrotoluene[3-]	0.158	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Nitrotoluene[4-]	0.16	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	RDX	0.161	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Tetryl	0.104	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Trinitrobenzene[1,3,5-]	0.08	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Trinitrotoluene[2,4,6-]	0.084	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Amino-2,6-dinitrotoluene[4-]	0.25	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Amino-4,6-dinitrotoluene[2-]	0.25	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Dinitrobenzene[1,3-]	0.25	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Dinitrotoluene[2,4-]	0.25	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Dinitrotoluene[2,6-]	0.26	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	HMX	2.2	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Nitrobenzene	0.26	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Nitrotoluene[2-]	0.25	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Nitrotoluene[3-]	0.25	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Nitrotoluene[4-]	0.25	MG/KG	U

Table I-2.0-6 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	RDX	2	MG/KG	none
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Tetryl	0.65	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Trinitrobenzene[1,3,5-]	0.25	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Trinitrotoluene[2,4,6-]	0.25	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Amino-2,6-dinitrotoluene[4-]	0.48	MG/KG	R
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Dinitrobenzene[1,3-]	0.24	MG/KG	R
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Dinitrotoluene[2,4-]	0.24	MG/KG	R
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Dinitrotoluene[2,6-]	0.25	MG/KG	R
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	HMX	2.1	MG/KG	R
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Nitrobenzene	0.25	MG/KG	R
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	RDX	0.97	MG/KG	R
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Tetryl	0.72	MG/KG	R
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Trinitrobenzene[1,3,5-]	0.24	MG/KG	R
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Trinitrotoluene[2,4,6-]	0.24	MG/KG	R
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Amino-2,6-dinitrotoluene[4-]	0.5	MG/KG	R
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Dinitrobenzene[1,3-]	0.25	MG/KG	R
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Dinitrotoluene[2,4-]	0.25	MG/KG	R
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Dinitrotoluene[2,6-]	0.26	MG/KG	R
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	HMX	2.2	MG/KG	R
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Nitrobenzene	0.26	MG/KG	R
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	RDX	1	MG/KG	R
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Tetryl	0.75	MG/KG	R
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Trinitrobenzene[1,3,5-]	0.25	MG/KG	R
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Trinitrotoluene[2,4,6-]	0.25	MG/KG	R
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Amino-2,6-dinitrotoluene[4-]	0.25	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Amino-4,6-dinitrotoluene[2-]	0.25	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Dinitrobenzene[1,3-]	0.25	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Dinitrotoluene[2,4-]	0.25	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Dinitrotoluene[2,6-]	0.26	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	HMX	2.2	MG/KG	U

Table I-2.0-6 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Nitrobenzene	0.26	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Nitrotoluene[2-]	0.25	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Nitrotoluene[3-]	0.25	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Nitrotoluene[4-]	0.25	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	RDX	3.6	MG/KG	none
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Tetryl	0.65	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Trinitrobenzene[1,3,5-]	0.25	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Trinitrotoluene[2,4,6-]	0.25	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Amino-2,6-dinitrotoluene[4-]	0.25	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Amino-4,6-dinitrotoluene[2-]	0.25	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Dinitrobenzene[1,3-]	0.25	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Dinitrotoluene[2,4-]	0.25	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Dinitrotoluene[2,6-]	0.26	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	HMX	2.2	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Nitrobenzene	0.26	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Nitrotoluene[2-]	0.25	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Nitrotoluene[3-]	0.25	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Nitrotoluene[4-]	0.25	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	RDX	1	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Tetryl	0.65	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Trinitrobenzene[1,3,5-]	0.25	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Trinitrotoluene[2,4,6-]	0.25	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Amino-2,6-dinitrotoluene[4-]	0.25	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Amino-4,6-dinitrotoluene[2-]	0.25	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Dinitrobenzene[1,3-]	0.25	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Dinitrotoluene[2,4-]	0.25	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Dinitrotoluene[2,6-]	0.26	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	HMX	2.2	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Nitrobenzene	0.26	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Nitrotoluene[2-]	0.25	MG/KG	U

Table I-2.0-6 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Nitrotoluene[3-]	0.25	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Nitrotoluene[4-]	0.25	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	RDX	1	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Tetryl	0.65	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Trinitrobenzene[1,3,5-]	0.25	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Trinitrotoluene[2,4,6-]	0.25	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Amino-2,6-dinitrotoluene[4-]	0.25	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Amino-4,6-dinitrotoluene[2-]	0.25	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Dinitrobenzene[1,3-]	0.25	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Dinitrotoluene[2,4-]	0.25	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Dinitrotoluene[2,6-]	0.26	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	HMX	2.2	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Nitrobenzene	0.26	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Nitrotoluene[2-]	0.25	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Nitrotoluene[3-]	0.25	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Nitrotoluene[4-]	0.25	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	RDX	1	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Tetryl	0.65	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Trinitrobenzene[1,3,5-]	0.25	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Trinitrotoluene[2,4,6-]	0.25	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Amino-2,6-dinitrotoluene[4-]	1.3	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Amino-4,6-dinitrotoluene[2-]	1.3	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Dinitrobenzene[1,3-]	1.3	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Dinitrotoluene[2,4-]	1.3	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Dinitrotoluene[2,6-]	1.3	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	HMX	29	MG/KG	none
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Nitrobenzene	1.3	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Nitrotoluene[2-]	1.3	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Nitrotoluene[3-]	1.3	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Nitrotoluene[4-]	1.3	MG/KG	U

Table I-2.0-6 (concluded)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	RDX	5	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Tetryl	3.3	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Trinitrobenzene[1,3,5-]	1.3	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Trinitrotoluene[2,4,6-]	1.3	MG/KG	U

Table I-2.0-7

Volatile Chemicals in Borehole Soil and Tuff Samples

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Bromobenzene	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Bromochloromethane	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Bromodichloromethane	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Bromoform	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Bromomethane	0.012	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Butanone[2-]	0.024	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Butylbenzene[n-]	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Butylbenzene[sec-]	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Butylbenzene[tert-]	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Carbon Disulfide	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Carbon Tetrachloride	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Chlorobenzene	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Chlorodibromomethane	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Chloroethane	0.012	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Chloroform	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Chloromethane	0.012	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Chlorotoluene[2-]	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Chlorotoluene[4-]	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Dibromo-3-chloropropane[1,2-]	0.012	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Dibromoethane[1,2-]	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Dibromomethane	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Dichlorobenzene[1,2-]	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Dichlorobenzene[1,3-]	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Dichlorobenzene[1,4-]	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Dichlorodifluoromethane	0.012	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Dichloroethane[1,1-]	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Dichloroethane[1,2-]	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Dichloroethene[1,1-]	0.006	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Dichloroethene[cis-1,2-]	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Dichloroethene[trans-1,2-]	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Dichloropropane[1,2-]	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Dichloropropane[1,3-]	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Dichloropropane[2,2-]	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Dichloropropene[1,1-]	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Dichloropropene[cis-1,3-]	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Dichloropropene[trans-1,3-]	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Ethylbenzene	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Hexanone[2-]	0.024	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Iodomethane	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Isopropylbenzene	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Isopropyltoluene[4-]	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Methyl-2-pentanone[4-]	0.024	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Methylene Chloride	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Propylbenzene[1-]	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Styrene	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Tetrachloroethane[1,1,1,2-]	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Tetrachloroethane[1,1,2,2-]	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Tetrachloroethene	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Toluene	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Trichloroethane[1,1,1-]	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Trichloroethane[1,1,2-]	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Trichloroethene	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Trichlorofluoromethane	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Trichloropropane[1,2,3-]	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Trichlorotrifluoroethane	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Trimethylbenzene[1,2,4-]	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Trimethylbenzene[1,3,5-]	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Vinyl Chloride	0.012	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Xylene (Total)	0.006	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Acetone	0.1	MG/KG	none
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Benzene	0.013	MG/KG	UJ
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Bromobenzene	0.013	MG/KG	UJ
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Bromochloromethane	0.013	MG/KG	UJ
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Bromodichloromethane	0.013	MG/KG	UJ
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Bromoform	0.013	MG/KG	UJ
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Bromomethane	0.026	MG/KG	UJ
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Butanone[2-]	0.052	MG/KG	UJ
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Butylbenzene[n-]	0.013	MG/KG	UJ
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Butylbenzene[sec-]	0.013	MG/KG	UJ
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Butylbenzene[tert-]	0.013	MG/KG	UJ
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Carbon Disulfide	0.013	MG/KG	UJ
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Carbon Tetrachloride	0.013	MG/KG	UJ
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Chlorobenzene	0.013	MG/KG	UJ
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Chlorodibromomethane	0.013	MG/KG	UJ
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Chloroethane	0.026	MG/KG	UJ
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Chloroform	0.013	MG/KG	UJ
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Chloromethane	0.02	MG/KG	J
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Chlorotoluene[2-]	0.013	MG/KG	UJ
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Chlorotoluene[4-]	0.013	MG/KG	UJ
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Dibromo-3-chloropropane[1,2-]	0.026	MG/KG	UJ
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Dibromoethane[1,2-]	0.013	MG/KG	UJ
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Dibromomethane	0.013	MG/KG	UJ
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Dichlorobenzene[1,2-]	0.013	MG/KG	UJ
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Dichlorobenzene[1,3-]	0.013	MG/KG	UJ
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Dichlorobenzene[1,4-]	0.013	MG/KG	UJ
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Dichlorodifluoromethane	0.026	MG/KG	UJ
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Dichloroethane[1,1-]	0.013	MG/KG	UJ
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Dichloroethane[1,2-]	0.004	MG/KG	J
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Dichloroethene[1,1-]	0.013	MG/KG	UJ
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Dichloroethene[cis-1,2-]	0.013	MG/KG	UJ
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Dichloroethene[trans-1,2-]	0.013	MG/KG	UJ
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Dichloropropane[1,2-]	0.013	MG/KG	UJ
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Dichloropropane[1,3-]	0.013	MG/KG	UJ

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Dichloropropane[2,2-]	0.013	MG/KG	UJ
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Dichloropropene[1,1-]	0.013	MG/KG	UJ
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Dichloropropene[cis-1,3-]	0.013	MG/KG	UJ
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Dichloropropene[trans-1,3-]	0.013	MG/KG	UJ
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Ethylbenzene	0.013	MG/KG	UJ
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Hexanone[2-]	0.052	MG/KG	UJ
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Iodomethane	0.013	MG/KG	UJ
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Isopropylbenzene	0.013	MG/KG	UJ
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Isopropyltoluene[4-]	0.013	MG/KG	UJ
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Methyl-2-pentanone[4-]	0.052	MG/KG	UJ
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Methylene Chloride	0.026	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Propylbenzene[1-]	0.013	MG/KG	UJ
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Styrene	0.013	MG/KG	UJ
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Tetrachloroethane[1,1,1,2-]	0.013	MG/KG	UJ
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Tetrachloroethane[1,1,2,2-]	0.013	MG/KG	UJ
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Tetrachloroethene	0.013	MG/KG	UJ
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Toluene	0.003	MG/KG	J
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.013	MG/KG	UJ
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Trichloroethane[1,1,1-]	0.013	MG/KG	UJ
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Trichloroethane[1,1,2-]	0.013	MG/KG	UJ
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Trichloroethene	0.013	MG/KG	UJ
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Trichlorofluoromethane	0.013	MG/KG	UJ
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Trichloropropane[1,2,3-]	0.013	MG/KG	UJ
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Trimethylbenzene[1,2,4-]	0.013	MG/KG	UJ
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Trimethylbenzene[1,3,5-]	0.003	MG/KG	J
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Vinyl Chloride	0.026	MG/KG	UJ
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Xylene (Total)	0.013	MG/KG	UJ
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Acetone	0.007	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Benzene	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Bromobenzene	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Bromochloromethane	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Bromodichloromethane	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Bromoform	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Bromomethane	0.012	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Butanone[2-]	0.024	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Butylbenzene[n-]	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Butylbenzene[sec-]	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Butylbenzene[tert-]	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Carbon Disulfide	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Carbon Tetrachloride	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Chlorobenzene	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Chlorodibromomethane	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Chloroethane	0.012	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Chloroform	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Chloromethane	0.012	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Chlorotoluene[2-]	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Chlorotoluene[4-]	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Dibromo-3-chloropropane[1,2-]	0.012	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Dibromoethane[1,2-]	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Dibromomethane	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Dichlorobenzene[1,2-]	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Dichlorobenzene[1,3-]	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Dichlorobenzene[1,4-]	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Dichlorodifluoromethane	0.012	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Dichloroethane[1,1-]	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Dichloroethane[1,2-]	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Dichloroethene[1,1-]	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Dichloroethene[cis-1,2-]	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Dichloroethene[trans-1,2-]	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Dichloropropane[1,2-]	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Dichloropropane[1,3-]	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Dichloropropane[2,2-]	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Dichloropropene[1,1-]	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Dichloropropene[cis-1,3-]	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Dichloropropene[trans-1,3-]	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Ethylbenzene	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Hexanone[2-]	0.024	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Iodomethane	0.006	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Isopropylbenzene	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Isopropyltoluene[4-]	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Methyl-2-pentanone[4-]	0.024	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Methylene Chloride	0.02	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Propylbenzene[1-]	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Styrene	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Tetrachloroethane[1,1,1,2-]	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Tetrachloroethane[1,1,2,2-]	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Tetrachloroethene	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Toluene	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Trichloroethane[1,1,1-]	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Trichloroethane[1,1,2-]	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Trichloroethene	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Trichlorofluoromethane	0.01	MG/KG	none
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Trichloropropane[1,2,3-]	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Trimethylbenzene[1,2,4-]	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Trimethylbenzene[1,3,5-]	0.006	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Vinyl Chloride	0.012	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Xylene (Total)	0.006	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Acetone	0.004	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Benzene	0.006	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Bromobenzene	0.006	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Bromochloromethane	0.006	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Bromodichloromethane	0.006	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Bromoform	0.006	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Bromomethane	0.013	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Butanone[2-]	0.026	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Butylbenzene[n-]	0.006	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Butylbenzene[sec-]	0.006	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Butylbenzene[tert-]	0.006	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Carbon Disulfide	0.006	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Carbon Tetrachloride	0.006	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Chlorobenzene	0.006	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Chlorodibromomethane	0.006	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Chloroethane	0.013	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Chloroform	0.006	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Chloromethane	0.013	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Chlorotoluene[2-]	0.006	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Chlorotoluene[4-]	0.006	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Dibromo-3-chloropropane[1,2-]	0.013	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Dibromoethane[1,2-]	0.006	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Dibromomethane	0.006	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Dichlorobenzene[1,2-]	0.006	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Dichlorobenzene[1,3-]	0.006	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Dichlorobenzene[1,4-]	0.006	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Dichlorodifluoromethane	0.013	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Dichloroethane[1,1-]	0.006	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Dichloroethane[1,2-]	0.006	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Dichloroethene[1,1-]	0.006	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Dichloroethene[cis-1,2-]	0.006	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Dichloroethene[trans-1,2-]	0.006	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Dichloropropane[1,2-]	0.006	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Dichloropropane[1,3-]	0.006	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Dichloropropane[2,2-]	0.006	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Dichloropropene[1,1-]	0.006	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Dichloropropene[cis-1,3-]	0.006	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Dichloropropene[trans-1,3-]	0.006	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Ethylbenzene	0.006	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Hexanone[2-]	0.026	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Iodomethane	0.006	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Isopropylbenzene	0.006	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Isopropyltoluene[4-]	0.006	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Methyl-2-pentanone[4-]	0.026	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Methylene Chloride	0.009	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Propylbenzene[1-]	0.006	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Styrene	0.006	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Tetrachloroethane[1,1,1,2-]	0.006	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Tetrachloroethane[1,1,2,2-]	0.006	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Tetrachloroethene	0.006	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Toluene	0.006	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.006	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Trichloroethane[1,1,1-]	0.006	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Trichloroethane[1,1,2-]	0.006	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Trichloroethene	0.006	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Trichlorofluoromethane	0.006	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Trichloropropane[1,2,3-]	0.006	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Trimethylbenzene[1,2,4-]	0.006	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Trimethylbenzene[1,3,5-]	0.006	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Vinyl Chloride	0.013	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Xylene (Total)	0.006	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Acetone	0.023	MG/KG	UJ
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Benzene	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Bromobenzene	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Bromochloromethane	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Bromodichloromethane	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Bromoform	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Bromomethane	0.011	MG/KG	UJ
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Butanone[2-]	0.023	MG/KG	UJ
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Butylbenzene[n-]	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Butylbenzene[sec-]	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Butylbenzene[tert-]	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Carbon Disulfide	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Carbon Tetrachloride	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Chlorobenzene	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Chlorodibromomethane	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Chloroethane	0.011	MG/KG	UJ
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Chloroform	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Chloromethane	0.011	MG/KG	UJ
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Chlorotoluene[2-]	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Chlorotoluene[4-]	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Dibromo-3-	0.011	MG/KG	UJ

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
							chloropropane[1,2-]			
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Dibromoethane[1,2-]	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Dibromomethane	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Dichlorobenzene[1,2-]	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Dichlorobenzene[1,3-]	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Dichlorobenzene[1,4-]	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Dichlorodifluoromethane	0.011	MG/KG	UJ
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Dichloroethane[1,1-]	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Dichloroethane[1,2-]	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Dichloroethene[1,1-]	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Dichloroethene[cis/trans-1,2-]	0.011	MG/KG	UJ
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Dichloropropane[1,2-]	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Dichloropropane[1,3-]	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Dichloropropane[2,2-]	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Dichloropropene[1,1-]	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Dichloropropene[cis-1,3-]	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Dichloropropene[trans-1,3-]	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Ethylbenzene	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Hexanone[2-]	0.023	MG/KG	UJ
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Iodomethane	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Isopropylbenzene	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Isopropyltoluene[4-]	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Methyl-2-pentanone[4-]	0.023	MG/KG	UJ
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Methylene Chloride	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Propylbenzene[1-]	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Styrene	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Tetrachloroethane[1,1,1,2-]	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Tetrachloroethane[1,1,2,2-]	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Tetrachloroethene	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Toluene	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Trichloroethane[1,1,1-]	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Trichloroethane[1,1,2-]	0.0057	MG/KG	UJ

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Trichloroethene	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Trichlorofluoromethane	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Trichloropropane[1,2,3-]	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Trimethylbenzene[1,2,4-]	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Trimethylbenzene[1,3,5-]	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Vinyl Chloride	0.011	MG/KG	UJ
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Xylene (Total)	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0282	8.5	9.5	FT	QBT5	Acetone	0.03	MG/KG	J-
16-021(c)	16-2705	0316-96-0282	8.5	9.5	FT	QBT5	Benzene	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0282	8.5	9.5	FT	QBT5	Bromobenzene	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0282	8.5	9.5	FT	QBT5	Bromochloromethane	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0282	8.5	9.5	FT	QBT5	Bromodichloromethane	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0282	8.5	9.5	FT	QBT5	Bromoform	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0282	8.5	9.5	FT	QBT5	Bromomethane	0.011	MG/KG	UJ
16-021(c)	16-2705	0316-96-0282	8.5	9.5	FT	QBT5	Butanone[2-]	0.023	MG/KG	UJ
16-021(c)	16-2705	0316-96-0282	8.5	9.5	FT	QBT5	Butylbenzene[n-]	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0282	8.5	9.5	FT	QBT5	Butylbenzene[sec-]	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0282	8.5	9.5	FT	QBT5	Butylbenzene[tert-]	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0282	8.5	9.5	FT	QBT5	Carbon Disulfide	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0282	8.5	9.5	FT	QBT5	Carbon Tetrachloride	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0282	8.5	9.5	FT	QBT5	Chlorobenzene	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0282	8.5	9.5	FT	QBT5	Chlorodibromomethane	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0282	8.5	9.5	FT	QBT5	Chloroethane	0.011	MG/KG	UJ
16-021(c)	16-2705	0316-96-0282	8.5	9.5	FT	QBT5	Chloroform	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0282	8.5	9.5	FT	QBT5	Chloromethane	0.011	MG/KG	UJ
16-021(c)	16-2705	0316-96-0282	8.5	9.5	FT	QBT5	Chlorotoluene[2-]	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0282	8.5	9.5	FT	QBT5	Chlorotoluene[4-]	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0282	8.5	9.5	FT	QBT5	Dibromo-3-chloropropane[1,2-]	0.011	MG/KG	UJ
16-021(c)	16-2705	0316-96-0282	8.5	9.5	FT	QBT5	Dibromoethane[1,2-]	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0282	8.5	9.5	FT	QBT5	Dibromomethane	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0282	8.5	9.5	FT	QBT5	Dichlorobenzene[1,2-]	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0282	8.5	9.5	FT	QBT5	Dichlorobenzene[1,3-]	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0282	8.5	9.5	FT	QBT5	Dichlorobenzene[1,4-]	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0282	8.5	9.5	FT	QBT5	Dichlorodifluoromethane	0.011	MG/KG	UJ

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2705	0316-96-0282	8.5	9.5	FT	QBT5	Dichloroethane[1,1-]	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0282	8.5	9.5	FT	QBT5	Dichloroethane[1,2-]	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0282	8.5	9.5	FT	QBT5	Dichloroethene[1,1-]	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0282	8.5	9.5	FT	QBT5	Dichloroethene[cis/trans-1,2-]	0.011	MG/KG	UJ
16-021(c)	16-2705	0316-96-0282	8.5	9.5	FT	QBT5	Dichloropropane[1,2-]	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0282	8.5	9.5	FT	QBT5	Dichloropropane[1,3-]	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0282	8.5	9.5	FT	QBT5	Dichloropropane[2,2-]	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0282	8.5	9.5	FT	QBT5	Dichloropropene[1,1-]	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0282	8.5	9.5	FT	QBT5	Dichloropropene[cis-1,3-]	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0282	8.5	9.5	FT	QBT5	Dichloropropene[trans-1,3-]	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0282	8.5	9.5	FT	QBT5	Ethylbenzene	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0282	8.5	9.5	FT	QBT5	Hexanone[2-]	0.023	MG/KG	UJ
16-021(c)	16-2705	0316-96-0282	8.5	9.5	FT	QBT5	Iodomethane	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0282	8.5	9.5	FT	QBT5	Isopropylbenzene	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0282	8.5	9.5	FT	QBT5	Isopropyltoluene[4-]	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0282	8.5	9.5	FT	QBT5	Methyl-2-pentanone[4-]	0.023	MG/KG	UJ
16-021(c)	16-2705	0316-96-0282	8.5	9.5	FT	QBT5	Methylene Chloride	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0282	8.5	9.5	FT	QBT5	Propylbenzene[1-]	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0282	8.5	9.5	FT	QBT5	Styrene	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0282	8.5	9.5	FT	QBT5	Tetrachloroethane[1,1,1,2-]	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0282	8.5	9.5	FT	QBT5	Tetrachloroethane[1,1,2,2-]	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0282	8.5	9.5	FT	QBT5	Tetrachloroethene	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0282	8.5	9.5	FT	QBT5	Toluene	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0282	8.5	9.5	FT	QBT5	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0282	8.5	9.5	FT	QBT5	Trichloroethane[1,1,1-]	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0282	8.5	9.5	FT	QBT5	Trichloroethane[1,1,2-]	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0282	8.5	9.5	FT	QBT5	Trichloroethene	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0282	8.5	9.5	FT	QBT5	Trichlorofluoromethane	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0282	8.5	9.5	FT	QBT5	Trichloropropane[1,2,3-]	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0282	8.5	9.5	FT	QBT5	Trimethylbenzene[1,2,4-]	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0282	8.5	9.5	FT	QBT5	Trimethylbenzene[1,3,5-]	0.0057	MG/KG	UJ
16-021(c)	16-2705	0316-96-0282	8.5	9.5	FT	QBT5	Vinyl Chloride	0.011	MG/KG	UJ
16-021(c)	16-2705	0316-96-0282	8.5	9.5	FT	QBT5	Xylene (Total)	0.0057	MG/KG	UJ

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Acetone	0.073	MG/KG	none
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Benzene	0.0057	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Bromobenzene	0.0057	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Bromochloromethane	0.0057	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Bromodichloromethane	0.0057	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Bromoform	0.0057	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Bromomethane	0.011	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Butanone[2-]	0.023	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Butylbenzene[n-]	0.0057	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Butylbenzene[sec-]	0.0057	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Butylbenzene[tert-]	0.0057	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Carbon Disulfide	0.0057	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Carbon Tetrachloride	0.0057	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Chlorobenzene	0.0057	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Chlorodibromomethane	0.0057	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Chloroethane	0.011	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Chloroform	0.0057	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Chloromethane	0.011	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Chlorotoluene[2-]	0.0057	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Chlorotoluene[4-]	0.0057	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Dibromo-3-chloropropane[1,2-]	0.011	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Dibromoethane[1,2-]	0.0057	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Dibromomethane	0.0057	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Dichlorobenzene[1,2-]	0.0057	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Dichlorobenzene[1,3-]	0.0057	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Dichlorobenzene[1,4-]	0.0057	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Dichlorodifluoromethane	0.011	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Dichloroethane[1,1-]	0.0057	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Dichloroethane[1,2-]	0.0057	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Dichloroethene[1,1-]	0.0057	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Dichloroethene[cis-1,2-]	0.011	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Dichloroethene[trans-1,2-]	0.011	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Dichloropropane[1,2-]	0.0057	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Dichloropropane[1,3-]	0.0057	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Dichloropropane[2,2-]	0.0057	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Dichloropropene[1,1-]	0.0057	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Dichloropropene[cis-1,3-]	0.0057	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Dichloropropene[trans-1,3-]	0.0057	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Ethylbenzene	0.0057	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Hexanone[2-]	0.023	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Iodomethane	0.0057	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Isopropylbenzene	0.0057	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Isopropyltoluene[4-]	0.0057	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Methyl-2-pentanone[4-]	0.023	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Methylene Chloride	0.0057	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Propylbenzene[1-]	0.0057	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Styrene	0.0057	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Tetrachloroethane[1,1,1,2-]	0.0057	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Tetrachloroethane[1,1,2,2-]	0.0057	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Tetrachloroethene	0.0057	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Toluene	0.0057	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.0057	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Trichloroethane[1,1,1-]	0.0057	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Trichloroethane[1,1,2-]	0.0057	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Trichloroethene	0.0057	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Trichlorofluoromethane	0.0057	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Trichloropropane[1,2,3-]	0.0057	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Trimethylbenzene[1,2,4-]	0.0057	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Trimethylbenzene[1,3,5-]	0.0057	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Vinyl Chloride	0.011	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Xylene (Total)	0.0057	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Acetone	0.022	MG/KG	none
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Benzene	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Bromobenzene	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Bromochloromethane	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Bromodichloromethane	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Bromoform	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Bromomethane	0.01	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Butanone[2-]	0.02	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Butylbenzene[n-]	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Butylbenzene[sec-]	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Butylbenzene[tert-]	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Carbon Disulfide	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Carbon Tetrachloride	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Chlorobenzene	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Chlorodibromomethane	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Chloroethane	0.01	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Chloroform	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Chloromethane	0.01	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Chlorotoluene[2-]	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Chlorotoluene[4-]	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Dibromo-3-chloropropane[1,2-]	0.01	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Dibromoethane[1,2-]	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Dibromomethane	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Dichlorobenzene[1,2-]	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Dichlorobenzene[1,3-]	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Dichlorobenzene[1,4-]	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Dichlorodifluoromethane	0.01	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Dichloroethane[1,1-]	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Dichloroethane[1,2-]	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Dichloroethene[1,1-]	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Dichloroethene[trans-1,2-]	0.01	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Dichloropropane[1,2-]	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Dichloropropane[1,3-]	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Dichloropropane[2,2-]	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Dichloropropene[1,1-]	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Dichloropropene[cis-1,3-]	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Dichloropropene[trans-1,3-]	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Ethylbenzene	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Hexanone[2-]	0.02	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Iodomethane	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Isopropylbenzene	0.0051	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Isopropyltoluene[4-]	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Methyl-2-pentanone[4-]	0.02	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Methylene Chloride	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Propylbenzene[1-]	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Styrene	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Tetrachloroethane[1,1,1,2-]	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Tetrachloroethane[1,1,2,2-]	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Tetrachloroethene	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Toluene	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Trichloroethane[1,1,1-]	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Trichloroethane[1,1,2-]	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Trichloroethene	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Trichlorofluoromethane	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Trichloropropane[1,2,3-]	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Trimethylbenzene[1,2,4-]	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Trimethylbenzene[1,3,5-]	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Vinyl Chloride	0.01	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Xylene (Total)	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Acetone	0.021	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Benzene	0.005	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Bromobenzene	0.005	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Bromochloromethane	0.005	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Bromodichloromethane	0.005	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Bromoform	0.005	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Bromomethane	0.011	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Butanone[2-]	0.021	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Butylbenzene[n-]	0.005	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Butylbenzene[sec-]	0.005	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Butylbenzene[tert-]	0.005	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Carbon Disulfide	0.005	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Carbon Tetrachloride	0.005	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Chlorobenzene	0.005	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Chlorodibromomethane	0.005	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Chloroethane	0.011	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Chloroform	0.005	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Chloromethane	0.011	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Chlorotoluene[2-]	0.005	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Chlorotoluene[4-]	0.005	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Dibromo-3-chloropropane[1,2-]	0.011	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Dibromoethane[1,2-]	0.005	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Dibromomethane	0.005	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Dichlorobenzene[1,2-]	0.005	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Dichlorobenzene[1,3-]	0.005	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Dichlorobenzene[1,4-]	0.005	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Dichlorodifluoromethane	0.011	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Dichloroethane[1,1-]	0.005	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Dichloroethane[1,2-]	0.005	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Dichloroethene[1,1-]	0.005	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Dichloroethene[cis-1,2-]	0.005	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Dichloroethene[trans-1,2-]	0.005	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Dichloropropane[1,2-]	0.005	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Dichloropropane[1,3-]	0.005	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Dichloropropane[2,2-]	0.005	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Dichloropropene[1,1-]	0.005	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Dichloropropene[cis-1,3-]	0.005	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Dichloropropene[trans-1,3-]	0.005	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Ethylbenzene	0.005	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Hexanone[2-]	0.021	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Iodomethane	0.005	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Isopropylbenzene	0.005	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Isopropyltoluene[4-]	0.005	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Methyl-2-pentanone[4-]	0.021	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Methylene Chloride	0.005	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Propylbenzene[1-]	0.005	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Styrene	0.005	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Tetrachloroethane[1,1,1,2-]	0.005	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Tetrachloroethane[1,1,2,2-]	0.005	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Tetrachloroethene	0.005	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Toluene	0.005	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.005	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Trichloroethane[1,1,1-]	0.005	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Trichloroethane[1,1,2-]	0.005	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Trichloroethene	0.005	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Trichlorofluoromethane	0.005	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Trichloropropane[1,2,3-]	0.005	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Trichlorotrifluoroethane	0.005	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Trimethylbenzene[1,2,4-]	0.005	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Trimethylbenzene[1,3,5-]	0.005	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Vinyl Chloride	0.011	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Xylene (Total)	0.005	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Acetone	0.022	MG/KG	UJ
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Benzene	0.005	MG/KG	UJ
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Bromobenzene	0.005	MG/KG	UJ
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Bromochloromethane	0.005	MG/KG	UJ
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Bromodichloromethane	0.005	MG/KG	UJ
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Bromoform	0.005	MG/KG	UJ
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Bromomethane	0.011	MG/KG	UJ
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Butanone[2-]	0.022	MG/KG	UJ
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Butylbenzene[n-]	0.005	MG/KG	UJ
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Butylbenzene[sec-]	0.005	MG/KG	UJ
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Butylbenzene[tert-]	0.005	MG/KG	UJ
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Carbon Disulfide	0.005	MG/KG	UJ
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Carbon Tetrachloride	0.005	MG/KG	UJ
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Chlorobenzene	0.005	MG/KG	UJ
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Chlorodibromomethane	0.005	MG/KG	UJ
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Chloroethane	0.011	MG/KG	UJ
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Chloroform	0.005	MG/KG	UJ
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Chloromethane	0.011	MG/KG	UJ
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Chlorotoluene[2-]	0.005	MG/KG	UJ
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Chlorotoluene[4-]	0.005	MG/KG	UJ
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Dibromo-3-	0.011	MG/KG	UJ

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
							chloropropane[1,2-]			
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Dibromoethane[1,2-]	0.005	MG/KG	UJ
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Dibromomethane	0.005	MG/KG	UJ
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Dichlorobenzene[1,2-]	0.005	MG/KG	UJ
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Dichlorobenzene[1,3-]	0.005	MG/KG	UJ
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Dichlorobenzene[1,4-]	0.005	MG/KG	UJ
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Dichlorodifluoromethane	0.011	MG/KG	UJ
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Dichloroethane[1,1-]	0.005	MG/KG	UJ
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Dichloroethane[1,2-]	0.005	MG/KG	UJ
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Dichloroethene[1,1-]	0.005	MG/KG	UJ
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Dichloroethene[cis-1,2-]	0.005	MG/KG	UJ
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Dichloroethene[trans-1,2-]	0.005	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Dichloropropane[1,2-]	0.005	MG/KG	UJ
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Dichloropropane[1,3-]	0.005	MG/KG	UJ
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Dichloropropane[2,2-]	0.005	MG/KG	UJ
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Dichloropropene[1,1-]	0.005	MG/KG	UJ
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Dichloropropene[cis-1,3-]	0.005	MG/KG	UJ
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Dichloropropene[trans-1,3-]	0.005	MG/KG	UJ
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Ethylbenzene	0.005	MG/KG	UJ
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Hexanone[2-]	0.022	MG/KG	UJ
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Iodomethane	0.005	MG/KG	UJ
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Isopropylbenzene	0.005	MG/KG	UJ
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Isopropyltoluene[4-]	0.005	MG/KG	UJ
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Methyl-2-pentanone[4-]	0.022	MG/KG	UJ
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Methylene Chloride	0.005	MG/KG	UJ
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Propylbenzene[1-]	0.005	MG/KG	UJ
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Styrene	0.005	MG/KG	UJ
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Tetrachloroethane[1,1,1,2-]	0.005	MG/KG	UJ
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Tetrachloroethane[1,1,2,2-]	0.005	MG/KG	UJ
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Tetrachloroethene	0.005	MG/KG	UJ
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Toluene	0.005	MG/KG	UJ
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.005	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Trichloroethane[1,1,1-]	0.005	MG/KG	UJ
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Trichloroethane[1,1,2-]	0.005	MG/KG	UJ

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Trichloroethene	0.005	MG/KG	UJ
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Trichlorofluoromethane	0.005	MG/KG	UJ
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Trichloropropane[1,2,3-]	0.005	MG/KG	UJ
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Trichlorotrifluoroethane	0.005	MG/KG	UJ
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Trimethylbenzene[1,2,4-]	0.005	MG/KG	UJ
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Trimethylbenzene[1,3,5-]	0.005	MG/KG	UJ
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Vinyl Chloride	0.011	MG/KG	UJ
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Xylene (Total)	0.005	MG/KG	UJ
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Acetone	0.16	MG/KG	none
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Benzene	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Bromobenzene	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Bromochloromethane	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Bromodichloromethane	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Bromoform	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Bromomethane	0.01	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Butanone[2-]	0.02	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Butylbenzene[n-]	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Butylbenzene[sec-]	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Butylbenzene[tert-]	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Carbon Disulfide	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Carbon Tetrachloride	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Chlorobenzene	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Chlorodibromomethane	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Chloroethane	0.01	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Chloroform	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Chloromethane	0.01	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Chlorotoluene[2-]	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Chlorotoluene[4-]	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Dibromo-3-chloropropane[1,2-]	0.01	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Dibromoethane[1,2-]	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Dibromomethane	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Dichlorobenzene[1,2-]	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Dichlorobenzene[1,3-]	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Dichlorobenzene[1,4-]	0.0051	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Dichlorodifluoromethane	0.01	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Dichloroethane[1,1-]	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Dichloroethane[1,2-]	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Dichloroethene[1,1-]	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Dichloroethene[cis-1,2-]	0.01	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Dichloroethene[trans-1,2-]	0.01	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Dichloropropane[1,2-]	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Dichloropropane[1,3-]	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Dichloropropane[2,2-]	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Dichloropropene[1,1-]	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Dichloropropene[cis-1,3-]	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Dichloropropene[trans-1,3-]	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Ethylbenzene	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Hexanone[2-]	0.02	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Iodomethane	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Isopropylbenzene	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Isopropyltoluene[4-]	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Methyl-2-pentanone[4-]	0.02	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Methylene Chloride	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Propylbenzene[1-]	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Styrene	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Tetrachloroethane[1,1,1,2-]	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Tetrachloroethane[1,1,2,2-]	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Tetrachloroethene	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Toluene	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Trichloroethane[1,1,1-]	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Trichloroethane[1,1,2-]	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Trichloroethene	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Trichlorofluoromethane	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Trichloropropane[1,2,3-]	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Trimethylbenzene[1,2,4-]	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Trimethylbenzene[1,3,5-]	0.0051	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Vinyl Chloride	0.01	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Xylene (Total)	0.0051	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Acetone	0.021	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Benzene	0.005	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Bromobenzene	0.005	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Bromochloromethane	0.005	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Bromodichloromethane	0.005	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Bromoform	0.005	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Bromomethane	0.01	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Butanone[2-]	0.021	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Butylbenzene[n-]	0.005	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Butylbenzene[sec-]	0.005	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Butylbenzene[tert-]	0.005	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Carbon Disulfide	0.005	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Carbon Tetrachloride	0.005	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Chlorobenzene	0.005	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Chlorodibromomethane	0.005	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Chloroethane	0.01	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Chloroform	0.005	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Chloromethane	0.01	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Chlorotoluene[2-]	0.005	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Chlorotoluene[4-]	0.005	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Dibromo-3-chloropropane[1,2-]	0.01	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Dibromoethane[1,2-]	0.005	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Dibromomethane	0.005	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Dichlorobenzene[1,2-]	0.005	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Dichlorobenzene[1,3-]	0.005	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Dichlorobenzene[1,4-]	0.005	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Dichlorodifluoromethane	0.01	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Dichloroethane[1,1-]	0.005	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Dichloroethane[1,2-]	0.005	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Dichloroethene[1,1-]	0.005	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Dichloroethene[cis-1,2-]	0.005	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Dichloroethene[trans-1,2-]	0.005	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Dichloropropane[1,2-]	0.005	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Dichloropropane[1,3-]	0.005	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Dichloropropane[2,2-]	0.005	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Dichloropropene[1,1-]	0.005	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Dichloropropene[cis-1,3-]	0.005	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Dichloropropene[trans-1,3-]	0.005	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Ethylbenzene	0.005	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Hexanone[2-]	0.021	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Iodomethane	0.005	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Isopropylbenzene	0.005	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Isopropyltoluene[4-]	0.005	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Methyl-2-pentanone[4-]	0.021	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Methylene Chloride	0.003	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Propylbenzene[1-]	0.005	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Styrene	0.005	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Tetrachloroethane[1,1,1,2-]	0.005	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Tetrachloroethane[1,1,2,2-]	0.005	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Tetrachloroethene	0.005	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Toluene	0.005	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.005	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Trichloroethane[1,1,1-]	0.005	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Trichloroethane[1,1,2-]	0.005	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Trichloroethene	0.005	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Trichlorofluoromethane	0.005	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Trichloropropane[1,2,3-]	0.005	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Trimethylbenzene[1,2,4-]	0.005	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Trimethylbenzene[1,3,5-]	0.005	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Vinyl Chloride	0.01	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Xylene (Total)	0.005	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Acetone	0.013	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Benzene	0.007	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Bromobenzene	0.007	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Bromochloromethane	0.007	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Bromodichloromethane	0.007	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Bromoform	0.007	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Bromomethane	0.014	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Butanone[2-]	0.028	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Butylbenzene[n-]	0.007	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Butylbenzene[sec-]	0.007	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Butylbenzene[tert-]	0.007	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Carbon Disulfide	0.007	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Carbon Tetrachloride	0.007	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Chlorobenzene	0.007	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Chlorodibromomethane	0.007	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Chloroethane	0.014	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Chloroform	0.007	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Chloromethane	0.014	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Chlorotoluene[2-]	0.007	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Chlorotoluene[4-]	0.007	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Dibromo-3-chloropropane[1,2-]	0.014	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Dibromoethane[1,2-]	0.007	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Dibromomethane	0.007	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Dichlorobenzene[1,2-]	0.007	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Dichlorobenzene[1,3-]	0.007	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Dichlorobenzene[1,4-]	0.007	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Dichlorodifluoromethane	0.144	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Dichloroethane[1,1-]	0.007	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Dichloroethane[1,2-]	0.007	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Dichloroethene[1,1-]	0.007	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Dichloroethene[cis-1,2-]	0.007	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Dichloroethene[trans-1,2-]	0.007	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Dichloropropane[1,2-]	0.007	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Dichloropropane[1,3-]	0.007	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Dichloropropane[2,2-]	0.007	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Dichloropropene[1,1-]	0.007	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Dichloropropene[cis-1,3-]	0.007	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Dichloropropene[trans-1,3-]	0.007	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Ethylbenzene	0.007	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Hexanone[2-]	0.028	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Iodomethane	0.007	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Isopropylbenzene	0.007	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Isopropyltoluene[4-]	0.007	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Methyl-2-pentanone[4-]	0.028	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Methylene Chloride	0.008	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Propylbenzene[1-]	0.007	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Styrene	0.007	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Tetrachloroethane[1,1,1,2-]	0.007	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Tetrachloroethane[1,1,2,2-]	0.007	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Tetrachloroethene	0.007	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Toluene	0.007	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.007	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Trichloroethane[1,1,1-]	0.007	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Trichloroethane[1,1,2-]	0.007	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Trichloroethene	0.007	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Trichlorofluoromethane	0.007	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Trichloropropane[1,2,3-]	0.007	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Trimethylbenzene[1,2,4-]	0.007	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Trimethylbenzene[1,3,5-]	0.007	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Vinyl Chloride	0.014	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Xylene (Total)	0.007	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Acetone	0.021	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Benzene	0.005	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Bromobenzene	0.005	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Bromobenzene	0.005	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Bromochloromethane	0.005	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Bromodichloromethane	0.005	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Bromoform	0.005	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Bromomethane	0.011	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Butanone[2-]	0.021	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Butylbenzene[n-]	0.005	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Butylbenzene[sec-]	0.005	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Butylbenzene[tert-]	0.005	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Carbon Disulfide	0.005	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Carbon Tetrachloride	0.005	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Chlorobenzene	0.005	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Chlorodibromomethane	0.005	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Chloroethane	0.011	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Chloroform	0.005	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Chloromethane	0.011	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Chlorotoluene[2-]	0.005	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Chlorotoluene[4-]	0.005	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Dibromo-3-chloropropane[1,2-]	0.011	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Dibromoethane[1,2-]	0.005	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Dichlorobenzene[1,2-]	0.005	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Dichlorobenzene[1,3-]	0.005	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Dichlorobenzene[1,4-]	0.005	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Dichlorodifluoromethane	0.011	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Dichloroethane[1,1-]	0.005	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Dichloroethane[1,2-]	0.005	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Dichloroethene[1,1-]	0.005	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Dichloroethene[cis/trans-1,2-]	0.005	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Dichloroethene[cis-1,2-]	0.003	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Dichloroethene[trans-1,2-]	0.003	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Dichloropropane[1,2-]	0.005	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Dichloropropane[1,3-]	0.005	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Dichloropropane[2,2-]	0.005	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Dichloropropene[1,1-]	0.005	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Dichloropropene[cis-1,3-]	0.005	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Dichloropropene[trans-1,3-]	0.005	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Ethylbenzene	0.005	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Hexanone[2-]	0.021	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Isopropylbenzene	0.005	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Isopropyltoluene[4-]	0.005	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Methyl-2-pentanone[4-]	0.021	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Methylene Chloride	0.005	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Propylbenzene[1-]	0.005	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Styrene	0.005	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Tetrachloroethane[1,1,1,2-]	0.005	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Tetrachloroethane[1,1,2,2-]	0.005	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Tetrachloroethene	0.005	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Toluene	0.005	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.005	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Trichloroethane[1,1,1-]	0.005	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Trichloroethane[1,1,2-]	0.005	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Trichloroethene	0.005	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Trichlorofluoromethane	0.011	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Trichloropropane[1,2,3-]	0.005	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Trimethylbenzene[1,2,4-]	0.005	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Vinyl Chloride	0.011	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Xylene (Total)	0.005	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Acetone	0.11	MG/KG	none
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Benzene	0.0056	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Bromobenzene	0.0056	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Bromochloromethane	0.0056	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Bromodichloromethane	0.0056	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Bromoform	0.0056	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Bromomethane	0.011	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Butanone[2-]	0.022	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Butylbenzene[n-]	0.0056	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Butylbenzene[sec-]	0.0056	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Butylbenzene[tert-]	0.0056	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Carbon Disulfide	0.0056	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Carbon Tetrachloride	0.0056	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Chlorobenzene	0.0056	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Chlorodibromomethane	0.0056	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Chloroethane	0.011	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Chloroform	0.0056	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Chloromethane	0.011	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Chlorotoluene[2-]	0.0056	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Chlorotoluene[4-]	0.0056	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Dibromo-3-chloropropane[1,2-]	0.011	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Dibromoethane[1,2-]	0.0056	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Dibromomethane	0.0056	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Dichlorobenzene[1,2-]	0.0056	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Dichlorobenzene[1,3-]	0.0056	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Dichlorobenzene[1,4-]	0.0056	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Dichlorodifluoromethane	0.011	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Dichloroethane[1,1-]	0.0056	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Dichloroethane[1,2-]	0.0056	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Dichloroethene[1,1-]	0.0056	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Dichloroethene[cis-1,2-]	0.011	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Dichloroethene[trans-1,2-]	0.011	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Dichloropropane[1,2-]	0.0056	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Dichloropropane[1,3-]	0.0056	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Dichloropropane[2,2-]	0.0056	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Dichloropropene[1,1-]	0.0056	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Dichloropropene[cis-1,3-]	0.0056	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Dichloropropene[trans-1,3-]	0.0056	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Ethylbenzene	0.0056	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Hexanone[2-]	0.022	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Iodomethane	0.0056	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Isopropylbenzene	0.0056	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Isopropyltoluene[4-]	0.0056	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Methyl-2-pentanone[4-]	0.022	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Methylene Chloride	0.0056	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Propylbenzene[1-]	0.0056	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Styrene	0.0056	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Tetrachloroethane[1,1,1,2-]	0.0056	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Tetrachloroethane[1,1,2,2-]	0.0056	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Tetrachloroethene	0.0056	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Toluene	0.0056	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.0056	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Trichloroethane[1,1,1-]	0.0056	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Trichloroethane[1,1,2-]	0.0056	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Trichloroethene	0.0056	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Trichlorofluoromethane	0.0056	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Trichloropropane[1,2,3-]	0.0056	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Trimethylbenzene[1,2,4-]	0.0056	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Trimethylbenzene[1,3,5-]	0.0056	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Vinyl Chloride	0.011	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Xylene (Total)	0.0056	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Acetone	0.28	MG/KG	none
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Benzene	0.0059	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Bromobenzene	0.0059	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Bromochloromethane	0.0059	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Bromodichloromethane	0.0059	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Bromoform	0.0059	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Bromomethane	0.012	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Butanone[2-]	0.024	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Butylbenzene[n-]	0.0059	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Butylbenzene[sec-]	0.0059	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Butylbenzene[tert-]	0.0059	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Carbon Disulfide	0.0059	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Carbon Tetrachloride	0.0059	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Chlorobenzene	0.0059	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Chlorodibromomethane	0.0059	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Chloroethane	0.012	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Chloroform	0.0059	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Chloromethane	0.012	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Chlorotoluene[2-]	0.0059	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Chlorotoluene[4-]	0.0059	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Dibromo-3-chloropropane[1,2-]	0.012	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Dibromoethane[1,2-]	0.0059	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Dibromomethane	0.0059	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Dichlorobenzene[1,2-]	0.0059	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Dichlorobenzene[1,3-]	0.0059	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Dichlorobenzene[1,4-]	0.0059	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Dichlorodifluoromethane	0.012	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Dichloroethane[1,1-]	0.0059	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Dichloroethane[1,2-]	0.0059	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Dichloroethene[1,1-]	0.0059	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Dichloroethene[cis-1,2-]	0.012	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Dichloroethene[trans-1,2-]	0.012	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Dichloropropane[1,2-]	0.0059	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Dichloropropane[1,3-]	0.0059	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Dichloropropane[2,2-]	0.0059	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Dichloropropene[1,1-]	0.0059	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Dichloropropene[cis-1,3-]	0.0059	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Dichloropropene[trans-1,3-]	0.0059	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Ethylbenzene	0.0059	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Hexanone[2-]	0.024	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Iodomethane	0.0059	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Isopropylbenzene	0.0059	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Isopropyltoluene[4-]	0.0059	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Methyl-2-pentanone[4-]	0.024	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Methylene Chloride	0.0059	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Propylbenzene[1-]	0.0059	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Styrene	0.0059	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Tetrachloroethane[1,1,1,2-]	0.0059	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Tetrachloroethane[1,1,2,2-]	0.0059	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Tetrachloroethene	0.0059	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Toluene	0.0059	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.0059	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Trichloroethane[1,1,1-]	0.0059	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Trichloroethane[1,1,2-]	0.0059	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Trichloroethene	0.0059	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Trichlorofluoromethane	0.0059	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Trichloropropane[1,2,3-]	0.0059	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Trimethylbenzene[1,2,4-]	0.0059	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Trimethylbenzene[1,3,5-]	0.0059	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Vinyl Chloride	0.012	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Xylene (Total)	0.0059	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Acetone	0.041	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Acetonitrile	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Acrolein	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Acrylonitrile	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Benzene	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Bromobenzene	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Bromochloromethane	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Bromodichloromethane	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Bromoform	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Bromomethane	0.014	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Butanone[2-]	0.027	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Butylbenzene[n-]	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Butylbenzene[sec-]	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Butylbenzene[tert-]	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Carbon Disulfide	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Carbon Tetrachloride	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Chlorobenzene	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Chlorodibromomethane	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Chloroethane	0.014	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Chloroethylvinyl[2-] Ether	0.027	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Chloroform	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Chloromethane	0.014	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Chlorotoluene[2-]	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Chlorotoluene[4-]	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Dibromo-3-chloropropane[1,2-]	0.014	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Dibromoethane[1,2-]	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Dibromomethane	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Dichlorobenzene[1,2-]	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Dichlorobenzene[1,3-]	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Dichlorobenzene[1,4-]	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Dichlorodifluoromethane	0.005	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Dichloroethane[1,1-]	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Dichloroethane[1,2-]	0.007	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Dichloroethene[1,1-]	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Dichloroethene[cis-1,2-]	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Dichloroethene[trans-1,2-]	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Dichloropropane[1,2-]	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Dichloropropane[1,3-]	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Dichloropropane[2,2-]	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Dichloropropene[1,1-]	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Dichloropropene[cis-1,3-]	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Dichloropropene[trans-1,3-]	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Ethylbenzene	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Hexanone[2-]	0.027	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Iodomethane	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Isopropylbenzene	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Isopropyltoluene[4-]	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Methyl tert-Butyl Ether	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Methyl-2-pentanone[4-]	0.027	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Methylene Chloride	0.006	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Propylbenzene[1-]	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Styrene	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Tetrachloroethane[1,1,1,2-]	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Tetrachloroethane[1,1,2,2-]	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Tetrachloroethene	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Toluene	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Trichloroethane[1,1,1-]	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Trichloroethane[1,1,2-]	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Trichloroethene	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Trichlorofluoromethane	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Trichloropropane[1,2,3-]	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Trimethylbenzene[1,2,4-]	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Trimethylbenzene[1,3,5-]	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Vinyl Acetate	0.014	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Vinyl Chloride	0.014	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Xylene (Total)	0.007	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Acetone	0.003	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Acetonitrile	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Acrolein	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Acrylonitrile	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Benzene	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Bromobenzene	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Bromochloromethane	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Bromodichloromethane	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Bromoform	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Bromomethane	0.013	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Butanone[2-]	0.027	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Butylbenzene[n-]	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Butylbenzene[sec-]	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Butylbenzene[tert-]	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Carbon Disulfide	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Carbon Tetrachloride	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Chlorobenzene	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Chlorodibromomethane	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Chloroethane	0.013	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Chloroethylvinyl[2-] Ether	0.027	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Chloroform	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Chloromethane	0.013	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Chlorotoluene[2-]	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Chlorotoluene[4-]	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Dibromo-3-chloropropane[1,2-]	0.013	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Dibromoethane[1,2-]	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Dibromomethane	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Dichlorobenzene[1,2-]	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Dichlorobenzene[1,3-]	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Dichlorobenzene[1,4-]	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Dichlorodifluoromethane	0.004	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Dichloroethane[1,1-]	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Dichloroethane[1,2-]	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Dichloroethene[1,1-]	0.007	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Dichloroethene[cis-1,2-]	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Dichloroethene[trans-1,2-]	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Dichloropropane[1,2-]	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Dichloropropane[1,3-]	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Dichloropropane[2,2-]	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Dichloropropene[1,1-]	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Dichloropropene[cis-1,3-]	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Dichloropropene[trans-1,3-]	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Ethylbenzene	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Hexanone[2-]	0.027	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Iodomethane	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Isopropylbenzene	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Isopropyltoluene[4-]	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Methyl tert-Butyl Ether	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Methyl-2-pentanone[4-]	0.027	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Methylene Chloride	0.004	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Propylbenzene[1-]	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Styrene	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Tetrachloroethane[1,1,1,2-]	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Tetrachloroethane[1,1,2,2-]	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Tetrachloroethene	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Toluene	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Trichloroethane[1,1,1-]	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Trichloroethane[1,1,2-]	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Trichloroethene	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Trichlorofluoromethane	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Trichloropropane[1,2,3-]	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Trimethylbenzene[1,2,4-]	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Trimethylbenzene[1,3,5-]	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Vinyl Acetate	0.013	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Vinyl Chloride	0.013	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Xylene (Total)	0.007	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Acetone	0.01	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Acetonitrile	0.006	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Acrolein	0.006	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Acrylonitrile	0.006	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Benzene	0.006	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Bromobenzene	0.006	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Bromochloromethane	0.006	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Bromodichloromethane	0.006	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Bromoform	0.006	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Bromomethane	0.012	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Butanone[2-]	0.024	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Butylbenzene[n-]	0.006	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Butylbenzene[sec-]	0.006	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Butylbenzene[tert-]	0.006	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Carbon Disulfide	0.006	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Carbon Tetrachloride	0.006	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Chlorobenzene	0.006	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Chlorodibromomethane	0.006	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Chloroethane	0.012	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Chloroethylvinyl[2-] Ether	0.024	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Chloroform	0.006	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Chloromethane	0.012	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Chlorotoluene[2-]	0.006	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Chlorotoluene[4-]	0.006	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Dibromo-3-chloropropane[1,2-]	0.012	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Dibromoethane[1,2-]	0.006	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Dibromomethane	0.006	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Dichlorobenzene[1,2-]	0.006	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Dichlorobenzene[1,3-]	0.006	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Dichlorobenzene[1,4-]	0.006	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Dichlorodifluoromethane	0.005	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Dichloroethane[1,1-]	0.006	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Dichloroethane[1,2-]	0.006	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Dichloroethene[1,1-]	0.006	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Dichloroethene[cis-1,2-]	0.006	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Dichloroethene[trans-1,2-]	0.006	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Dichloropropane[1,2-]	0.006	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Dichloropropane[1,3-]	0.006	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Dichloropropane[2,2-]	0.006	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Dichloropropene[1,1-]	0.006	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Dichloropropene[cis-1,3-]	0.006	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Dichloropropene[trans-1,3-]	0.006	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Ethylbenzene	0.006	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Hexanone[2-]	0.024	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Iodomethane	0.006	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Isopropylbenzene	0.006	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Isopropyltoluene[4-]	0.006	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Methyl tert-Butyl Ether	0.006	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Methyl-2-pentanone[4-]	0.024	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Methylene Chloride	0.005	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Propylbenzene[1-]	0.006	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Styrene	0.006	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Tetrachloroethane[1,1,1,2-]	0.006	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Tetrachloroethane[1,1,2,2-]	0.006	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Tetrachloroethene	0.006	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Toluene	0.006	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.006	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Trichloroethane[1,1,1-]	0.006	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Trichloroethane[1,1,2-]	0.006	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Trichloroethene	0.006	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Trichlorofluoromethane	0.006	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Trichloropropane[1,2,3-]	0.006	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Trimethylbenzene[1,2,4-]	0.006	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Trimethylbenzene[1,3,5-]	0.006	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Vinyl Acetate	0.012	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Vinyl Chloride	0.012	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Xylene (Total)	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Acetone	0.045	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Benzene	0.006	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Bromobenzene	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Bromochloromethane	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Bromodichloromethane	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Bromoform	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Bromomethane	0.012	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Butanone[2-]	0.024	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Butylbenzene[n-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Butylbenzene[sec-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Butylbenzene[tert-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Carbon Disulfide	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Carbon Tetrachloride	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Chlorobenzene	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Chlorodibromomethane	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Chloroethane	0.012	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Chloroform	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Chloromethane	0.012	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Chlorotoluene[2-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Chlorotoluene[4-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Dibromo-3-chloropropane[1,2-]	0.012	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Dibromoethane[1,2-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Dibromomethane	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Dichlorobenzene[1,2-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Dichlorobenzene[1,3-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Dichlorobenzene[1,4-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Dichlorodifluoromethane	0.012	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Dichloroethane[1,1-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Dichloroethane[1,2-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Dichloroethene[1,1-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Dichloroethene[cis-1,2-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Dichloroethene[trans-1,2-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Dichloropropane[1,2-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Dichloropropane[1,3-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Dichloropropane[2,2-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Dichloropropene[1,1-]	0.006	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Dichloropropene[cis-1,3-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Dichloropropene[trans-1,3-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Ethylbenzene	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Hexanone[2-]	0.024	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Iodomethane	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Isopropylbenzene	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Isopropyltoluene[4-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Methyl-2-pentanone[4-]	0.024	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Methylene Chloride	0.01	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Propylbenzene[1-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Styrene	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Tetrachloroethane[1,1,1,2-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Tetrachloroethane[1,1,2,2-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Tetrachloroethene	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Toluene	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Trichloroethane[1,1,1-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Trichloroethane[1,1,2-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Trichloroethene	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Trichlorofluoromethane	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Trichloropropane[1,2,3-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Trimethylbenzene[1,2,4-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Trimethylbenzene[1,3,5-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Vinyl Chloride	0.012	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Xylene (Total)	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Acetone	0.022	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Benzene	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Bromobenzene	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Bromochloromethane	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Bromodichloromethane	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Bromoform	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Bromomethane	0.011	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Butanone[2-]	0.022	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Butylbenzene[n-]	0.006	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Butylbenzene[sec-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Butylbenzene[tert-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Carbon Disulfide	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Carbon Tetrachloride	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Chlorobenzene	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Chlorodibromomethane	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Chloroethane	0.011	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Chloroform	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Chloromethane	0.011	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Chlorotoluene[2-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Chlorotoluene[4-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Dibromo-3-chloropropane[1,2-]	0.011	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Dibromoethane[1,2-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Dibromomethane	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Dichlorobenzene[1,2-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Dichlorobenzene[1,3-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Dichlorobenzene[1,4-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Dichlorodifluoromethane	0.011	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Dichloroethane[1,1-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Dichloroethane[1,2-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Dichloroethene[1,1-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Dichloroethene[cis-1,2-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Dichloroethene[trans-1,2-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Dichloropropane[1,2-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Dichloropropane[1,3-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Dichloropropane[2,2-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Dichloropropene[1,1-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Dichloropropene[cis-1,3-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Dichloropropene[trans-1,3-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Ethylbenzene	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Hexanone[2-]	0.022	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Iodomethane	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Isopropylbenzene	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Isopropyltoluene[4-]	0.006	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Methyl-2-pentanone[4-]	0.022	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Methylene Chloride	0.008	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Propylbenzene[1-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Styrene	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Tetrachloroethane[1,1,1,2-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Tetrachloroethane[1,1,2,2-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Tetrachloroethene	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Toluene	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Trichloroethane[1,1,1-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Trichloroethane[1,1,2-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Trichloroethene	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Trichlorofluoromethane	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Trichloropropane[1,2,3-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Trimethylbenzene[1,2,4-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Trimethylbenzene[1,3,5-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Vinyl Chloride	0.011	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Xylene (Total)	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Acetone	0.038	MG/KG	none
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Benzene	0.005	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Bromobenzene	0.005	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Bromobenzene	0.005	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Bromochloromethane	0.005	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Bromodichloromethane	0.005	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Bromoform	0.005	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Bromomethane	0.01	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Butanone[2-]	0.007	MG/KG	none
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Butylbenzene[n-]	0.005	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Butylbenzene[sec-]	0.005	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Butylbenzene[tert-]	0.005	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Carbon Disulfide	0.005	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Carbon Tetrachloride	0.005	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Chlorobenzene	0.001	MG/KG	none
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Chlorodibromomethane	0.005	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Chloroethane	0.01	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Chloroform	0.005	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Chloromethane	0.01	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Chlorotoluene[2-]	0.005	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Chlorotoluene[4-]	0.005	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Dibromo-3-chloropropane[1,2-]	0.01	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Dibromoethane[1,2-]	0.005	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Dibromomethane	0.005	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Dichlorobenzene[1,2-]	0.005	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Dichlorobenzene[1,3-]	0.005	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Dichlorobenzene[1,4-]	0.002	MG/KG	none
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Dichlorodifluoromethane	0.01	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Dichloroethane[1,1-]	0.005	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Dichloroethane[1,2-]	0.005	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Dichloroethene[1,1-]	0.005	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Dichloroethene[cis-1,2-]	0.002	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Dichloroethene[trans-1,2-]	0.002	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Dichloropropane[1,2-]	0.005	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Dichloropropane[1,3-]	0.005	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Dichloropropane[2,2-]	0.005	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Dichloropropene[1,1-]	0.005	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Dichloropropene[cis-1,3-]	0.005	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Dichloropropene[trans-1,3-]	0.005	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Ethylbenzene	0.005	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Hexanone[2-]	0.02	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Iodomethane	0.005	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Isopropylbenzene	0.005	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Isopropyltoluene[4-]	0.005	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Methyl-2-pentanone[4-]	0.02	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Methylene Chloride	0.003	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Propylbenzene[1-]	0.005	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Styrene	0.005	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Tetrachloroethane[1,1,1,2-]	0.005	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Tetrachloroethane[1,1,2,2-]	0.005	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Tetrachloroethene	0.005	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Toluene	0.005	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.005	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Trichloroethane[1,1,1-]	0.005	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Trichloroethane[1,1,2-]	0.005	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Trichloroethene	0.005	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Trichlorofluoromethane	0.01	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Trichloropropane[1,2,3-]	0.005	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Trimethylbenzene[1,2,4-]	0.005	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Vinyl Chloride	0.01	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Xylene (Total)	0.005	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Acetone	0.15	MG/KG	none
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Benzene	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Bromobenzene	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Bromobenzene	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Bromochloromethane	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Bromodichloromethane	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Bromoform	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Bromomethane	0.012	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Butanone[2-]	0.006	MG/KG	none
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Butylbenzene[n-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Butylbenzene[sec-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Butylbenzene[tert-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Carbon Disulfide	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Carbon Tetrachloride	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Chlorobenzene	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Chlorodibromomethane	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Chloroethane	0.012	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Chloroform	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Chloromethane	0.012	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Chlorotoluene[2-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Chlorotoluene[4-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Dibromo-3-chloropropane[1,2-]	0.012	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Dibromoethane[1,2-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Dibromomethane	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Dichlorobenzene[1,2-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Dichlorobenzene[1,3-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Dichlorobenzene[1,4-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Dichlorodifluoromethane	0.012	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Dichloroethane[1,1-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Dichloroethane[1,2-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Dichloroethene[1,1-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Dichloroethene[cis-1,2-]	0.003	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Dichloroethene[trans-1,2-]	0.003	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Dichloropropane[1,2-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Dichloropropane[1,3-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Dichloropropane[2,2-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Dichloropropene[1,1-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Dichloropropene[cis-1,3-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Dichloropropene[trans-1,3-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Ethylbenzene	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Hexanone[2-]	0.023	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Iodomethane	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Isopropylbenzene	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Isopropyltoluene[4-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Methyl-2-pentanone[4-]	0.023	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Methylene Chloride	0.003	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Propylbenzene[1-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Styrene	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Tetrachloroethane[1,1,1,2-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Tetrachloroethane[1,1,2,2-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Tetrachloroethene	0.002	MG/KG	none
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Toluene	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Trichloroethane[1,1,1-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Trichloroethane[1,1,2-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Trichloroethene	0.006	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Trichlorofluoromethane	0.012	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Trichloropropane[1,2,3-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Trimethylbenzene[1,2,4-]	0.006	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Vinyl Chloride	0.012	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Xylene (Total)	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Acetone	0.022	MG/KG	UJ
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Benzene	0.006	MG/KG	UJ
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Bromobenzene	0.006	MG/KG	UJ
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Bromochloromethane	0.006	MG/KG	UJ
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Bromodichloromethane	0.006	MG/KG	UJ
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Bromoform	0.006	MG/KG	UJ
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Bromomethane	0.011	MG/KG	UJ
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Butanone[2-]	0.022	MG/KG	UJ
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Butylbenzene[n-]	0.006	MG/KG	UJ
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Butylbenzene[sec-]	0.006	MG/KG	UJ
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Butylbenzene[tert-]	0.006	MG/KG	UJ
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Carbon Disulfide	0.006	MG/KG	UJ
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Carbon Tetrachloride	0.006	MG/KG	UJ
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Chlorobenzene	0.006	MG/KG	UJ
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Chlorodibromomethane	0.006	MG/KG	UJ
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Chloroethane	0.011	MG/KG	UJ
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Chloroform	0.006	MG/KG	UJ
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Chloromethane	0.011	MG/KG	UJ
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Chlorotoluene[2-]	0.006	MG/KG	UJ
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Chlorotoluene[4-]	0.006	MG/KG	UJ
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Dibromo-3-chloropropane[1,2-]	0.011	MG/KG	UJ
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Dibromoethane[1,2-]	0.006	MG/KG	UJ
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Dibromomethane	0.006	MG/KG	UJ
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Dichlorobenzene[1,2-]	0.006	MG/KG	UJ
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Dichlorobenzene[1,3-]	0.006	MG/KG	UJ
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Dichlorobenzene[1,4-]	0.006	MG/KG	UJ
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Dichlorodifluoromethane	0.011	MG/KG	UJ
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Dichloroethane[1,1-]	0.006	MG/KG	UJ
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Dichloroethane[1,2-]	0.006	MG/KG	UJ

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Dichloroethene[1,1-]	0.006	MG/KG	UJ
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Dichloroethene[cis-1,2-]	0.006	MG/KG	UJ
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Dichloroethene[trans-1,2-]	0.006	MG/KG	UJ
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Dichloropropane[1,2-]	0.006	MG/KG	UJ
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Dichloropropane[1,3-]	0.006	MG/KG	UJ
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Dichloropropane[2,2-]	0.006	MG/KG	UJ
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Dichloropropene[1,1-]	0.006	MG/KG	UJ
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Dichloropropene[cis-1,3-]	0.006	MG/KG	UJ
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Dichloropropene[trans-1,3-]	0.006	MG/KG	UJ
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Ethylbenzene	0.006	MG/KG	UJ
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Hexanone[2-]	0.022	MG/KG	UJ
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Iodomethane	0.006	MG/KG	UJ
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Isopropylbenzene	0.006	MG/KG	UJ
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Isopropyltoluene[4-]	0.006	MG/KG	UJ
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Methyl-2-pentanone[4-]	0.022	MG/KG	UJ
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Methylene Chloride	0.007	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Methylene Chloride	0.007	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Propylbenzene[1-]	0.006	MG/KG	UJ
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Styrene	0.006	MG/KG	UJ
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Tetrachloroethane[1,1,1,2-]	0.006	MG/KG	UJ
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Tetrachloroethane[1,1,2,2-]	0.006	MG/KG	UJ
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Tetrachloroethene	0.006	MG/KG	UJ
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Toluene	0.006	MG/KG	UJ
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.006	MG/KG	UJ
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Trichloroethane[1,1,1-]	0.006	MG/KG	UJ
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Trichloroethane[1,1,2-]	0.006	MG/KG	UJ
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Trichloroethene	0.006	MG/KG	UJ
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Trichlorofluoromethane	0.006	MG/KG	UJ
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Trichloropropane[1,2,3-]	0.006	MG/KG	UJ
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Trimethylbenzene[1,2,4-]	0.006	MG/KG	UJ
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Trimethylbenzene[1,3,5-]	0.006	MG/KG	UJ
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Vinyl Chloride	0.011	MG/KG	UJ
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Xylene (Total)	0.006	MG/KG	UJ
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Acetone	0.024	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Benzene	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Bromobenzene	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Bromochloromethane	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Bromodichloromethane	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Bromoform	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Bromomethane	0.012	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Butanone[2-]	0.024	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Butylbenzene[n-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Butylbenzene[sec-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Butylbenzene[tert-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Carbon Disulfide	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Carbon Tetrachloride	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Chlorobenzene	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Chlorodibromomethane	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Chloroethane	0.012	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Chloroform	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Chloromethane	0.012	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Chlorotoluene[2-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Chlorotoluene[4-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Dibromo-3-chloropropane[1,2-]	0.012	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Dibromoethane[1,2-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Dibromomethane	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Dichlorobenzene[1,2-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Dichlorobenzene[1,3-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Dichlorobenzene[1,4-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Dichlorodifluoromethane	0.012	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Dichloroethane[1,1-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Dichloroethane[1,2-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Dichloroethene[1,1-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Dichloroethene[cis-1,2-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Dichloroethene[trans-1,2-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Dichloropropane[1,2-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Dichloropropane[1,3-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Dichloropropane[2,2-]	0.006	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Dichloropropene[1,1-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Dichloropropene[cis-1,3-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Dichloropropene[trans-1,3-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Ethylbenzene	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Hexanone[2-]	0.024	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Iodomethane	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Isopropylbenzene	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Isopropyltoluene[4-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Methyl-2-pentanone[4-]	0.024	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Methylene Chloride	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Propylbenzene[1-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Styrene	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Tetrachloroethane[1,1,1,2-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Tetrachloroethane[1,1,2,2-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Tetrachloroethene	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Toluene	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Trichloroethane[1,1,1-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Trichloroethane[1,1,2-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Trichloroethene	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Trichlorofluoromethane	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Trichloropropane[1,2,3-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Trimethylbenzene[1,2,4-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Trimethylbenzene[1,3,5-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Vinyl Chloride	0.012	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Xylene (Total)	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Acetone	0.003	MG/KG	none
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Benzene	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Bromobenzene	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Bromochloromethane	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Bromodichloromethane	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Bromoform	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Bromomethane	0.012	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Butanone[2-]	0.025	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Butylbenzene[n-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Butylbenzene[sec-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Butylbenzene[tert-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Carbon Disulfide	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Carbon Tetrachloride	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Chlorobenzene	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Chlorodibromomethane	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Chloroethane	0.012	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Chloroform	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Chloromethane	0.012	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Chlorotoluene[2-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Chlorotoluene[4-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Dibromo-3-chloropropane[1,2-]	0.012	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Dibromoethane[1,2-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Dibromomethane	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Dichlorobenzene[1,2-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Dichlorobenzene[1,3-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Dichlorobenzene[1,4-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Dichlorodifluoromethane	0.012	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Dichloroethane[1,1-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Dichloroethane[1,2-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Dichloroethene[1,1-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Dichloroethene[cis-1,2-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Dichloroethene[trans-1,2-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Dichloropropane[1,2-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Dichloropropane[1,3-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Dichloropropane[2,2-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Dichloropropene[1,1-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Dichloropropene[cis-1,3-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Dichloropropene[trans-1,3-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Ethylbenzene	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Hexanone[2-]	0.025	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Iodomethane	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Isopropylbenzene	0.006	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Isopropyltoluene[4-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Methyl-2-pentanone[4-]	0.025	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Methylene Chloride	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Propylbenzene[1-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Styrene	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Tetrachloroethane[1,1,1,2-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Tetrachloroethane[1,1,2,2-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Tetrachloroethene	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Toluene	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Trichloroethane[1,1,1-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Trichloroethane[1,1,2-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Trichloroethene	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Trichlorofluoromethane	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Trichloropropane[1,2,3-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Trimethylbenzene[1,2,4-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Trimethylbenzene[1,3,5-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Vinyl Chloride	0.012	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Xylene (Total)	0.006	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Acetone	0.0063	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Benzene	0.0055	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Bromobenzene	0.0055	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Bromochloromethane	0.0055	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Bromodichloromethane	0.0055	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Bromoform	0.0055	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Bromomethane	0.011	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Butanone[2-]	0.022	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Butylbenzene[n-]	0.0055	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Butylbenzene[sec-]	0.0055	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Butylbenzene[tert-]	0.0055	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Carbon Disulfide	0.0055	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Carbon Tetrachloride	0.0055	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Chlorobenzene	0.0055	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Chlorodibromomethane	0.0055	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Chloroethane	0.011	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Chloroform	0.0055	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Chloromethane	0.011	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Chlorotoluene[2-]	0.0055	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Chlorotoluene[4-]	0.0055	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Dibromo-3-chloropropane[1,2-]	0.011	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Dibromoethane[1,2-]	0.0055	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Dibromomethane	0.0055	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Dichlorobenzene[1,2-]	0.0055	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Dichlorobenzene[1,3-]	0.0055	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Dichlorobenzene[1,4-]	0.0055	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Dichlorodifluoromethane	0.011	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Dichloroethane[1,1-]	0.0055	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Dichloroethane[1,2-]	0.0055	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Dichloroethene[1,1-]	0.0055	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Dichloroethene[cis-1,2-]	0.0055	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Dichloroethene[trans-1,2-]	0.0055	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Dichloropropane[1,2-]	0.0055	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Dichloropropane[1,3-]	0.0055	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Dichloropropane[2,2-]	0.0055	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Dichloropropene[1,1-]	0.0055	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Dichloropropene[cis-1,3-]	0.0055	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Dichloropropene[trans-1,3-]	0.0055	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Ethylbenzene	0.0055	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Hexachlorobutadiene	0.0055	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Hexanone[2-]	0.022	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Iodomethane	0.0055	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Isopropylbenzene	0.0055	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Isopropyltoluene[4-]	0.0055	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Methyl-2-pentanone[4-]	0.022	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Methylene Chloride	0.0055	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Naphthalene	0.0055	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Propylbenzene[1-]	0.0055	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Styrene	0.0055	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Tetrachloroethane[1,1,1,2-]	0.0055	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Tetrachloroethane[1,1,2,2-]	0.0055	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Tetrachloroethene	0.0055	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Toluene	0.0055	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.0055	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Trichlorobenzene[1,2,3-]	0.0055	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Trichlorobenzene[1,2,4-]	0.0055	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Trichloroethane[1,1,1-]	0.0055	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Trichloroethane[1,1,2-]	0.0055	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Trichloroethene	0.0055	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Trichlorofluoromethane	0.0055	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Trichloropropane[1,2,3-]	0.0055	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Trimethylbenzene[1,2,4-]	0.0055	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Trimethylbenzene[1,3,5-]	0.0055	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Vinyl Chloride	0.011	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Xylene (Total)	0.011	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Acetone	0.02	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Benzene	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Bromobenzene	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Bromochloromethane	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Bromodichloromethane	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Bromoform	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Bromomethane	0.01	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Butanone[2-]	0.02	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Butylbenzene[n-]	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Butylbenzene[sec-]	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Butylbenzene[tert-]	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Carbon Disulfide	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Carbon Tetrachloride	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Chlorobenzene	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Chlorodibromomethane	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Chloroethane	0.01	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Chloroform	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Chloromethane	0.01	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Chlorotoluene[2-]	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Chlorotoluene[4-]	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Dibromo-3-chloropropane[1,2-]	0.01	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Dibromoethane[1,2-]	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Dibromomethane	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Dichlorobenzene[1,2-]	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Dichlorobenzene[1,3-]	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Dichlorobenzene[1,4-]	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Dichlorodifluoromethane	0.01	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Dichloroethane[1,1-]	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Dichloroethane[1,2-]	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Dichloroethene[1,1-]	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Dichloroethene[cis-1,2-]	0.01	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Dichloroethene[trans-1,2-]	0.01	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Dichloropropane[1,2-]	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Dichloropropane[1,3-]	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Dichloropropane[2,2-]	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Dichloropropene[1,1-]	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Dichloropropene[cis-1,3-]	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Dichloropropene[trans-1,3-]	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Ethylbenzene	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Hexanone[2-]	0.02	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Iodomethane	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Isopropylbenzene	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Isopropyltoluene[4-]	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Methyl-2-pentanone[4-]	0.02	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Methylene Chloride	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Propylbenzene[1-]	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Styrene	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Tetrachloroethane[1,1,1,2-]	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Tetrachloroethane[1,1,2,2-]	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Tetrachloroethene	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Toluene	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Trichloro-1,2,2-	0.0051	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
							trifluoroethane[1,1,2-]			
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Trichloroethane[1,1,1-]	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Trichloroethane[1,1,2-]	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Trichloroethene	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Trichlorofluoromethane	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Trichloropropane[1,2,3-]	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Trimethylbenzene[1,2,4-]	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Trimethylbenzene[1,3,5-]	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Vinyl Chloride	0.01	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Xylene (Total)	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Acetone	0.02	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Benzene	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Bromobenzene	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Bromochloromethane	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Bromodichloromethane	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Bromoform	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Bromomethane	0.01	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Butanone[2-]	0.02	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Butylbenzene[n-]	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Butylbenzene[sec-]	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Butylbenzene[tert-]	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Carbon Disulfide	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Carbon Tetrachloride	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Chlorobenzene	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Chlorodibromomethane	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Chloroethane	0.01	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Chloroform	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Chloromethane	0.01	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Chlorotoluene[2-]	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Chlorotoluene[4-]	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Dibromo-3-chloropropane[1,2-]	0.01	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Dibromoethane[1,2-]	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Dibromomethane	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Dichlorobenzene[1,2-]	0.0051	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Dichlorobenzene[1,3-]	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Dichlorobenzene[1,4-]	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Dichlorodifluoromethane	0.01	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Dichloroethane[1,1-]	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Dichloroethane[1,2-]	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Dichloroethene[1,1-]	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Dichloroethene[cis-1,2-]	0.01	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Dichloroethene[trans-1,2-]	0.01	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Dichloropropane[1,2-]	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Dichloropropane[1,3-]	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Dichloropropane[2,2-]	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Dichloropropene[1,1-]	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Dichloropropene[cis-1,3-]	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Dichloropropene[trans-1,3-]	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Ethylbenzene	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Hexanone[2-]	0.02	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Iodomethane	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Isopropylbenzene	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Isopropyltoluene[4-]	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Methyl-2-pentanone[4-]	0.02	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Methylene Chloride	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Propylbenzene[1-]	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Styrene	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Tetrachloroethane[1,1,1,2-]	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Tetrachloroethane[1,1,2,2-]	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Tetrachloroethene	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Toluene	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Trichloroethane[1,1,1-]	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Trichloroethane[1,1,2-]	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Trichloroethene	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Trichlorofluoromethane	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Trichloropropane[1,2,3-]	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Trimethylbenzene[1,2,4-]	0.0051	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Trimethylbenzene[1,3,5-]	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Vinyl Chloride	0.01	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Xylene (Total)	0.0051	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Acetone	0.06	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Benzene	0.006	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Bromobenzene	0.006	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Bromochloromethane	0.006	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Bromodichloromethane	0.006	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Bromoform	0.006	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Bromomethane	0.012	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Butanone[2-]	0.024	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Butylbenzene[n-]	0.006	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Butylbenzene[sec-]	0.006	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Butylbenzene[tert-]	0.006	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Carbon Disulfide	0.006	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Carbon Tetrachloride	0.006	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Chlorobenzene	0.006	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Chlorodibromomethane	0.006	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Chloroethane	0.012	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Chloroform	0.006	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Chloromethane	0.012	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Chlorotoluene[2-]	0.006	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Chlorotoluene[4-]	0.006	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Dibromo-3-chloropropane[1,2-]	0.012	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Dibromoethane[1,2-]	0.006	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Dibromomethane	0.006	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Dichlorobenzene[1,2-]	0.006	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Dichlorobenzene[1,3-]	0.006	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Dichlorobenzene[1,4-]	0.006	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Dichlorodifluoromethane	0.012	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Dichloroethane[1,1-]	0.006	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Dichloroethane[1,2-]	0.006	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Dichloroethene[1,1-]	0.006	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Dichloroethene[cis-1,2-]	0.006	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Dichloroethene[trans-1,2-]	0.006	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Dichloropropane[1,2-]	0.006	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Dichloropropane[1,3-]	0.006	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Dichloropropane[2,2-]	0.006	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Dichloropropene[1,1-]	0.006	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Dichloropropene[cis-1,3-]	0.006	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Dichloropropene[trans-1,3-]	0.006	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Ethylbenzene	0.006	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Hexanone[2-]	0.024	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Iodomethane	0.006	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Isopropylbenzene	0.006	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Isopropyltoluene[4-]	0.006	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Methyl-2-pentanone[4-]	0.024	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Methylene Chloride	0.008	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Propylbenzene[1-]	0.006	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Styrene	0.006	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Tetrachloroethane[1,1,1,2-]	0.006	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Tetrachloroethane[1,1,2,2-]	0.006	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Tetrachloroethene	0.006	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Toluene	0.001	MG/KG	none
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.006	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Trichloroethane[1,1,1-]	0.006	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Trichloroethane[1,1,2-]	0.006	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Trichloroethene	0.006	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Trichlorofluoromethane	0.006	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Trichloropropane[1,2,3-]	0.006	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Trimethylbenzene[1,2,4-]	0.006	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Trimethylbenzene[1,3,5-]	0.006	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Vinyl Chloride	0.012	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Xylene (Total)	0.006	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Acetone	0.011	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Benzene	0.0055	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Bromobenzene	0.0055	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Bromochloromethane	0.0055	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Bromodichloromethane	0.0055	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Bromoform	0.0055	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Bromomethane	0.011	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Butanone[2-]	0.022	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Butylbenzene[n-]	0.0055	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Butylbenzene[sec-]	0.0055	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Butylbenzene[tert-]	0.0055	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Carbon Disulfide	0.0055	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Carbon Tetrachloride	0.0055	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Chlorobenzene	0.0055	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Chlorodibromomethane	0.0055	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Chloroethane	0.011	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Chloroform	0.0055	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Chloromethane	0.011	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Chlorotoluene[2-]	0.0055	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Chlorotoluene[4-]	0.0055	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Dibromo-3-chloropropane[1,2-]	0.0049	MG/KG	none
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Dibromoethane[1,2-]	0.0055	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Dibromomethane	0.0055	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Dichlorobenzene[1,2-]	0.0055	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Dichlorobenzene[1,3-]	0.0055	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Dichlorobenzene[1,4-]	0.0055	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Dichlorodifluoromethane	0.011	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Dichloroethane[1,1-]	0.0055	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Dichloroethane[1,2-]	0.0055	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Dichloroethene[1,1-]	0.0055	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Dichloroethene[cis-1,2-]	0.0055	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Dichloroethene[trans-1,2-]	0.0055	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Dichloropropane[1,2-]	0.0055	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Dichloropropane[1,3-]	0.0055	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Dichloropropane[2,2-]	0.0055	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Dichloropropene[1,1-]	0.0055	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Dichloropropene[cis-1,3-]	0.0055	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Dichloropropene[trans-1,3-]	0.0055	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Ethylbenzene	0.0055	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Hexachlorobutadiene	0.0055	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Hexanone[2-]	0.022	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Iodomethane	0.0055	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Isopropylbenzene	0.0055	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Isopropyltoluene[4-]	0.0055	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Methyl-2-pentanone[4-]	0.022	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Methylene Chloride	0.024	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Naphthalene	0.0055	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Propylbenzene[1-]	0.0055	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Styrene	0.0055	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Tetrachloroethane[1,1,1,2-]	0.0055	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Tetrachloroethane[1,1,2,2-]	0.0055	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Tetrachloroethene	0.0055	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Toluene	0.0055	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.0055	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Trichlorobenzene[1,2,3-]	0.0055	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Trichlorobenzene[1,2,4-]	0.0055	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Trichloroethane[1,1,1-]	0.0055	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Trichloroethane[1,1,2-]	0.0055	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Trichloroethene	0.0055	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Trichlorofluoromethane	0.0055	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Trichloropropane[1,2,3-]	0.0055	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Trimethylbenzene[1,2,4-]	0.0055	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Trimethylbenzene[1,3,5-]	0.0055	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Vinyl Chloride	0.011	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Xylene (Total)	0.0055	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Xylene[1,2-]	0.0055	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Acetone	0.022	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Benzene	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Bromobenzene	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Bromochloromethane	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Bromodichloromethane	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Bromoform	0.005	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Bromomethane	0.01	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Butanone[2-]	0.021	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Butylbenzene[n-]	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Butylbenzene[sec-]	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Butylbenzene[tert-]	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Carbon Disulfide	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Carbon Tetrachloride	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Chlorobenzene	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Chlorodibromomethane	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Chloroethane	0.01	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Chloroform	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Chloromethane	0.01	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Chlorotoluene[2-]	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Chlorotoluene[4-]	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Dibromo-3-chloropropane[1,2-]	0.01	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Dibromoethane[1,2-]	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Dibromomethane	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Dichlorobenzene[1,2-]	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Dichlorobenzene[1,3-]	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Dichlorobenzene[1,4-]	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Dichlorodifluoromethane	0.01	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Dichloroethane[1,1-]	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Dichloroethane[1,2-]	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Dichloroethene[1,1-]	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Dichloroethene[cis-1,2-]	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Dichloroethene[trans-1,2-]	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Dichloropropane[1,2-]	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Dichloropropane[1,3-]	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Dichloropropane[2,2-]	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Dichloropropene[1,1-]	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Dichloropropene[cis-1,3-]	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Dichloropropene[trans-1,3-]	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Ethylbenzene	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Hexachlorobutadiene	0.005	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Hexanone[2-]	0.021	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Iodomethane	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Isopropylbenzene	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Isopropyltoluene[4-]	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Methyl-2-pentanone[4-]	0.021	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Methylene Chloride	0.0044	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Naphthalene	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Propylbenzene[1-]	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Styrene	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Tetrachloroethane[1,1,1,2-]	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Tetrachloroethane[1,1,2,2-]	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Tetrachloroethene	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Toluene	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Trichlorobenzene[1,2,3-]	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Trichlorobenzene[1,2,4-]	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Trichloroethane[1,1,1-]	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Trichloroethane[1,1,2-]	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Trichloroethene	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Trichlorofluoromethane	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Trichloropropane[1,2,3-]	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Trimethylbenzene[1,2,4-]	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Trimethylbenzene[1,3,5-]	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Vinyl Chloride	0.01	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Xylene (Total)	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Acetone	0.025	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Benzene	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Bromobenzene	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Bromochloromethane	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Bromodichloromethane	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Bromoform	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Bromomethane	0.01	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Butanone[2-]	0.021	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Butylbenzene[n-]	0.005	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Butylbenzene[sec-]	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Butylbenzene[tert-]	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Carbon Disulfide	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Carbon Tetrachloride	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Chlorobenzene	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Chlorodibromomethane	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Chloroethane	0.01	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Chloroform	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Chloromethane	0.01	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Chlorotoluene[2-]	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Chlorotoluene[4-]	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Dibromo-3-chloropropane[1,2-]	0.01	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Dibromoethane[1,2-]	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Dibromomethane	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Dichlorobenzene[1,2-]	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Dichlorobenzene[1,3-]	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Dichlorobenzene[1,4-]	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Dichlorodifluoromethane	0.01	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Dichloroethane[1,1-]	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Dichloroethane[1,2-]	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Dichloroethene[1,1-]	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Dichloroethene[cis-1,2-]	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Dichloroethene[trans-1,2-]	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Dichloropropane[1,2-]	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Dichloropropane[1,3-]	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Dichloropropane[2,2-]	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Dichloropropene[1,1-]	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Dichloropropene[cis-1,3-]	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Dichloropropene[trans-1,3-]	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Ethylbenzene	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Hexachlorobutadiene	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Hexanone[2-]	0.021	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Iodomethane	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Isopropylbenzene	0.005	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Isopropyltoluene[4-]	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Methyl-2-pentanone[4-]	0.021	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Methylene Chloride	0.006	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Naphthalene	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Propylbenzene[1-]	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Styrene	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Tetrachloroethane[1,1,1,2-]	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Tetrachloroethane[1,1,2,2-]	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Tetrachloroethene	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Toluene	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Trichlorobenzene[1,2,3-]	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Trichlorobenzene[1,2,4-]	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Trichloroethane[1,1,1-]	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Trichloroethane[1,1,2-]	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Trichloroethene	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Trichlorofluoromethane	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Trichloropropane[1,2,3-]	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Trimethylbenzene[1,2,4-]	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Trimethylbenzene[1,3,5-]	0.005	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Vinyl Chloride	0.01	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Xylene (Total)	0.005	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Acetone	0.058	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Benzene	0.0056	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Bromobenzene	0.0056	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Bromochloromethane	0.0056	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Bromodichloromethane	0.0056	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Bromoform	0.0056	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Bromomethane	0.011	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Butanone[2-]	0.0048	MG/KG	none
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Butylbenzene[n-]	0.0056	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Butylbenzene[sec-]	0.0056	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Butylbenzene[tert-]	0.0056	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Carbon Disulfide	0.0056	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Carbon Tetrachloride	0.0056	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Chlorobenzene	0.0056	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Chlorodibromomethane	0.0056	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Chloroethane	0.011	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Chloroform	0.0056	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Chloromethane	0.011	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Chlorotoluene[2-]	0.0056	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Chlorotoluene[4-]	0.0056	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Dibromo-3-chloropropane[1,2-]	0.011	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Dibromoethane[1,2-]	0.0056	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Dibromomethane	0.0056	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Dichlorobenzene[1,2-]	0.0056	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Dichlorobenzene[1,3-]	0.0056	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Dichlorobenzene[1,4-]	0.0056	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Dichlorodifluoromethane	0.011	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Dichloroethane[1,1-]	0.0056	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Dichloroethane[1,2-]	0.0056	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Dichloroethene[1,1-]	0.0056	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Dichloroethene[cis-1,2-]	0.0056	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Dichloroethene[trans-1,2-]	0.0056	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Dichloropropane[1,2-]	0.0056	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Dichloropropane[1,3-]	0.0056	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Dichloropropane[2,2-]	0.0056	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Dichloropropene[1,1-]	0.0056	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Dichloropropene[cis-1,3-]	0.0056	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Dichloropropene[trans-1,3-]	0.0056	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Ethylbenzene	0.0056	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Hexachlorobutadiene	0.0056	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Hexanone[2-]	0.023	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Iodomethane	0.0056	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Isopropylbenzene	0.0056	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Isopropyltoluene[4-]	0.0056	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Methyl-2-pentanone[4-]	0.023	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Methylene Chloride	0.008	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Naphthalene	0.0056	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Propylbenzene[1-]	0.0056	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Styrene	0.0056	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Tetrachloroethane[1,1,1,2-]	0.0056	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Tetrachloroethane[1,1,2,2-]	0.0056	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Tetrachloroethene	0.0056	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Toluene	0.0056	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.0056	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Trichlorobenzene[1,2,3-]	0.0056	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Trichlorobenzene[1,2,4-]	0.0056	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Trichloroethane[1,1,1-]	0.0056	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Trichloroethane[1,1,2-]	0.0056	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Trichloroethene	0.0056	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Trichlorofluoromethane	0.0056	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Trichloropropane[1,2,3-]	0.0056	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Trimethylbenzene[1,2,4-]	0.0056	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Trimethylbenzene[1,3,5-]	0.0056	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Vinyl Chloride	0.011	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Xylene (Total)	0.0056	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Acetone	0.055	MG/KG	none
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Benzene	0.006	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Bromobenzene	0.006	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Bromochloromethane	0.006	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Bromodichloromethane	0.006	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Bromoform	0.006	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Bromomethane	0.011	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Butanone[2-]	0.011	MG/KG	none
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Butylbenzene[n-]	0.006	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Butylbenzene[sec-]	0.006	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Butylbenzene[tert-]	0.006	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Carbon Disulfide	0.006	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Carbon Tetrachloride	0.006	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Chlorobenzene	0.006	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Chlorodibromomethane	0.006	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Chloroethane	0.011	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Chloroform	0.006	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Chloromethane	0.011	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Chlorotoluene[2-]	0.006	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Chlorotoluene[4-]	0.006	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Dibromo-3-chloropropane[1,2-]	0.011	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Dibromoethane[1,2-]	0.006	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Dibromomethane	0.006	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Dichlorobenzene[1,2-]	0.006	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Dichlorobenzene[1,3-]	0.006	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Dichlorobenzene[1,4-]	0.006	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Dichlorodifluoromethane	0.011	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Dichloroethane[1,1-]	0.006	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Dichloroethane[1,2-]	0.006	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Dichloroethene[1,1-]	0.006	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Dichloroethene[cis-1,2-]	0.006	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Dichloroethene[trans-1,2-]	0.006	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Dichloropropane[1,2-]	0.006	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Dichloropropane[1,3-]	0.006	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Dichloropropane[2,2-]	0.006	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Dichloropropene[1,1-]	0.006	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Dichloropropene[cis-1,3-]	0.006	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Dichloropropene[trans-1,3-]	0.006	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Ethylbenzene	0.006	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Hexanone[2-]	0.023	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Iodomethane	0.006	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Isopropylbenzene	0.006	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Isopropyltoluene[4-]	0.006	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Methyl-2-pentanone[4-]	0.023	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Methylene Chloride	0.013	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Propylbenzene[1-]	0.006	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Styrene	0.006	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Tetrachloroethane[1,1,1,2-]	0.006	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Tetrachloroethane[1,1,2,2-]	0.006	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Tetrachloroethene	0.006	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Toluene	0.006	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.006	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Trichloroethane[1,1,1-]	0.006	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Trichloroethane[1,1,2-]	0.006	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Trichloroethene	0.006	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Trichlorofluoromethane	0.006	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Trichloropropane[1,2,3-]	0.006	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Trimethylbenzene[1,2,4-]	0.006	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Trimethylbenzene[1,3,5-]	0.006	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Vinyl Chloride	0.011	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Xylene (Total)	0.006	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Acetone	0.023	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Benzene	0.0056	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Bromobenzene	0.0056	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Bromochloromethane	0.0056	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Bromodichloromethane	0.0056	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Bromoform	0.0056	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Bromomethane	0.011	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Butanone[2-]	0.023	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Butylbenzene[n-]	0.0056	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Butylbenzene[sec-]	0.0056	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Butylbenzene[tert-]	0.0056	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Carbon Disulfide	0.0056	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Carbon Tetrachloride	0.0056	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Chlorobenzene	0.0056	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Chlorodibromomethane	0.0056	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Chloroethane	0.011	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Chloroform	0.0056	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Chloromethane	0.011	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Chlorotoluene[2-]	0.0056	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Chlorotoluene[4-]	0.0056	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Dibromo-3-chloropropane[1,2-]	0.011	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Dibromoethane[1,2-]	0.0056	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Dibromomethane	0.0056	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Dichlorobenzene[1,2-]	0.0056	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Dichlorobenzene[1,3-]	0.0056	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Dichlorobenzene[1,4-]	0.0056	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Dichlorodifluoromethane	0.011	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Dichloroethane[1,1-]	0.0056	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Dichloroethane[1,2-]	0.0056	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Dichloroethene[1,1-]	0.0056	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Dichloroethene[cis-1,2-]	0.0056	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Dichloroethene[trans-1,2-]	0.0056	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Dichloropropane[1,2-]	0.0056	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Dichloropropane[1,3-]	0.0056	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Dichloropropane[2,2-]	0.0056	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Dichloropropene[1,1-]	0.0056	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Dichloropropene[cis-1,3-]	0.0056	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Dichloropropene[trans-1,3-]	0.0056	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Ethylbenzene	0.0056	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Hexachlorobutadiene	0.0056	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Hexanone[2-]	0.023	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Iodomethane	0.0056	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Isopropylbenzene	0.0056	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Isopropyltoluene[4-]	0.0056	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Methyl-2-pentanone[4-]	0.023	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Methylene Chloride	0.003	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Naphthalene	0.0056	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Propylbenzene[1-]	0.0056	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Styrene	0.0056	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Tetrachloroethane[1,1,1,2-]	0.0056	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Tetrachloroethane[1,1,2,2-]	0.0056	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Tetrachloroethene	0.0056	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Toluene	0.0056	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.0056	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Trichlorobenzene[1,2,3-]	0.0056	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Trichlorobenzene[1,2,4-]	0.0056	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Trichloroethane[1,1,1-]	0.0056	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Trichloroethane[1,1,2-]	0.0056	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Trichloroethene	0.0056	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Trichlorofluoromethane	0.0056	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Trichloropropane[1,2,3-]	0.0056	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Trimethylbenzene[1,2,4-]	0.0056	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Trimethylbenzene[1,3,5-]	0.0056	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Vinyl Chloride	0.011	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Xylene (Total)	0.0112	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Acetone	0.006	MG/KG	none
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Benzene	0.007	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Bromobenzene	0.007	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Bromochloromethane	0.007	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Bromodichloromethane	0.007	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Bromoform	0.007	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Bromomethane	0.014	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Butanone[2-]	0.028	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Butylbenzene[n-]	0.007	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Butylbenzene[sec-]	0.007	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Butylbenzene[tert-]	0.007	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Carbon Disulfide	0.007	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Carbon Tetrachloride	0.007	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Chlorobenzene	0.007	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Chlorodibromomethane	0.007	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Chloroethane	0.014	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Chloroform	0.007	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Chloromethane	0.014	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Chlorotoluene[2-]	0.007	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Chlorotoluene[4-]	0.007	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Dibromo-3-chloropropane[1,2-]	0.014	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Dibromoethane[1,2-]	0.007	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Dibromomethane	0.007	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Dichlorobenzene[1,2-]	0.007	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Dichlorobenzene[1,3-]	0.007	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Dichlorobenzene[1,4-]	0.007	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Dichlorodifluoromethane	0.014	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Dichloroethane[1,1-]	0.007	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Dichloroethane[1,2-]	0.007	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Dichloroethene[1,1-]	0.007	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Dichloroethene[cis-1,2-]	0.007	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Dichloroethene[trans-1,2-]	0.007	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Dichloropropane[1,2-]	0.007	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Dichloropropane[1,3-]	0.007	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Dichloropropane[2,2-]	0.007	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Dichloropropene[1,1-]	0.007	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Dichloropropene[cis-1,3-]	0.007	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Dichloropropene[trans-1,3-]	0.007	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Ethylbenzene	0.007	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Hexanone[2-]	0.028	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Iodomethane	0.007	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Isopropylbenzene	0.007	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Isopropyltoluene[4-]	0.007	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Methyl-2-pentanone[4-]	0.028	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Methylene Chloride	0.005	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Propylbenzene[1-]	0.007	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Styrene	0.007	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Tetrachloroethane[1,1,1,2-]	0.007	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Tetrachloroethane[1,1,2,2-]	0.007	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Tetrachloroethene	0.007	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Toluene	0.007	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.007	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Trichloroethane[1,1,1-]	0.007	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Trichloroethane[1,1,2-]	0.007	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Trichloroethene	0.007	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Trichlorofluoromethane	0.007	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Trichloropropane[1,2,3-]	0.007	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Trimethylbenzene[1,2,4-]	0.007	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Trimethylbenzene[1,3,5-]	0.007	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Vinyl Chloride	0.014	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Xylene (Total)	0.007	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Acetone	0.01	MG/KG	none
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Benzene	0.006	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Bromobenzene	0.006	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Bromochloromethane	0.006	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Bromodichloromethane	0.006	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Bromoform	0.006	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Bromomethane	0.013	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Butanone[2-]	0.026	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Butylbenzene[n-]	0.006	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Butylbenzene[sec-]	0.006	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Butylbenzene[tert-]	0.006	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Carbon Disulfide	0.006	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Carbon Tetrachloride	0.006	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Chlorobenzene	0.006	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Chlorodibromomethane	0.006	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Chloroethane	0.013	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Chloroform	0.006	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Chloromethane	0.013	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Chlorotoluene[2-]	0.006	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Chlorotoluene[4-]	0.006	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Dibromo-3-chloropropane[1,2-]	0.013	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Dibromoethane[1,2-]	0.006	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Dibromomethane	0.006	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Dichlorobenzene[1,2-]	0.006	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Dichlorobenzene[1,3-]	0.006	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Dichlorobenzene[1,4-]	0.006	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Dichlorodifluoromethane	0.013	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Dichloroethane[1,1-]	0.006	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Dichloroethane[1,2-]	0.006	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Dichloroethene[1,1-]	0.006	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Dichloroethene[cis-1,2-]	0.006	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Dichloroethene[trans-1,2-]	0.006	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Dichloropropane[1,2-]	0.006	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Dichloropropane[1,3-]	0.006	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Dichloropropane[2,2-]	0.006	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Dichloropropene[1,1-]	0.006	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Dichloropropene[cis-1,3-]	0.006	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Dichloropropene[trans-1,3-]	0.006	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Ethylbenzene	0.006	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Hexanone[2-]	0.026	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Iodomethane	0.006	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Isopropylbenzene	0.006	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Isopropyltoluene[4-]	0.006	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Methyl-2-pentanone[4-]	0.026	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Methylene Chloride	0.004	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Propylbenzene[1-]	0.006	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Styrene	0.006	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Tetrachloroethane[1,1,1,2-]	0.006	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Tetrachloroethane[1,1,2,2-]	0.006	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Tetrachloroethene	0.006	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Toluene	0.006	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.006	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Trichloroethane[1,1,1-]	0.006	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Trichloroethane[1,1,2-]	0.006	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Trichloroethene	0.006	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Trichlorofluoromethane	0.006	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Trichloropropane[1,2,3-]	0.006	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Trimethylbenzene[1,2,4-]	0.006	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Trimethylbenzene[1,3,5-]	0.006	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Vinyl Chloride	0.013	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Xylene (Total)	0.006	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Acetone	0.014	MG/KG	none
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Benzene	0.006	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Bromobenzene	0.006	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Bromochloromethane	0.006	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Bromodichloromethane	0.006	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Bromoform	0.006	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Bromomethane	0.011	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Butanone[2-]	0.022	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Butylbenzene[n-]	0.006	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Butylbenzene[sec-]	0.006	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Butylbenzene[tert-]	0.006	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Carbon Disulfide	0.006	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Carbon Tetrachloride	0.006	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Chlorobenzene	0.006	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Chlorodibromomethane	0.006	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Chloroethane	0.011	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Chloroform	0.006	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Chloromethane	0.011	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Chlorotoluene[2-]	0.006	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Chlorotoluene[4-]	0.006	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Dibromo-3-chloropropane[1,2-]	0.011	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Dibromoethane[1,2-]	0.006	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Dibromomethane	0.006	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Dichlorobenzene[1,2-]	0.006	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Dichlorobenzene[1,3-]	0.006	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Dichlorobenzene[1,4-]	0.006	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Dichlorodifluoromethane	0.011	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Dichloroethane[1,1-]	0.006	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Dichloroethane[1,2-]	0.006	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Dichloroethene[1,1-]	0.006	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Dichloroethene[cis-1,2-]	0.006	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Dichloroethene[trans-1,2-]	0.006	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Dichloropropane[1,2-]	0.006	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Dichloropropane[1,3-]	0.006	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Dichloropropane[2,2-]	0.006	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Dichloropropene[1,1-]	0.006	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Dichloropropene[cis-1,3-]	0.006	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Dichloropropene[trans-1,3-]	0.006	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Ethylbenzene	0.006	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Hexanone[2-]	0.022	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Iodomethane	0.006	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Isopropylbenzene	0.006	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Isopropyltoluene[4-]	0.006	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Methyl-2-pentanone[4-]	0.022	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Methylene Chloride	0.005	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Propylbenzene[1-]	0.006	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Styrene	0.006	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Tetrachloroethane[1,1,1,2-]	0.006	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Tetrachloroethane[1,1,2,2-]	0.006	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Tetrachloroethene	0.006	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Toluene	0.006	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.006	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Trichloroethane[1,1,1-]	0.006	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Trichloroethane[1,1,2-]	0.006	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Trichloroethene	0.006	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Trichlorofluoromethane	0.006	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Trichloropropane[1,2,3-]	0.006	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Trimethylbenzene[1,2,4-]	0.006	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Trimethylbenzene[1,3,5-]	0.006	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Vinyl Chloride	0.011	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Xylene (Total)	0.006	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Acetone	0.02	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Benzene	0.005	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Bromobenzene	0.005	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Bromochloromethane	0.005	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Bromodichloromethane	0.005	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Bromoform	0.005	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Bromomethane	0.01	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Butanone[2-]	0.02	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Butylbenzene[n-]	0.005	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Butylbenzene[sec-]	0.005	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Butylbenzene[tert-]	0.005	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Carbon Disulfide	0.005	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Carbon Tetrachloride	0.005	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Chlorobenzene	0.005	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Chlorodibromomethane	0.005	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Chloroethane	0.01	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Chloroform	0.005	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Chloromethane	0.01	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Chlorotoluene[2-]	0.005	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Chlorotoluene[4-]	0.005	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Dibromo-3-chloropropane[1,2-]	0.01	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Dibromoethane[1,2-]	0.005	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Dibromomethane	0.005	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Dichlorobenzene[1,2-]	0.005	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Dichlorobenzene[1,3-]	0.005	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Dichlorobenzene[1,4-]	0.005	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Dichlorodifluoromethane	0.01	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Dichloroethane[1,1-]	0.005	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Dichloroethane[1,2-]	0.005	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Dichloroethene[1,1-]	0.005	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Dichloroethene[cis-1,2-]	0.005	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Dichloroethene[trans-1,2-]	0.005	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Dichloropropane[1,2-]	0.005	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Dichloropropane[1,3-]	0.005	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Dichloropropane[2,2-]	0.005	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Dichloropropene[1,1-]	0.005	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Dichloropropene[cis-1,3-]	0.005	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Dichloropropene[trans-1,3-]	0.005	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Ethylbenzene	0.005	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Hexanone[2-]	0.02	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Iodomethane	0.005	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Isopropylbenzene	0.005	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Isopropyltoluene[4-]	0.005	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Methyl-2-pentanone[4-]	0.02	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Methylene Chloride	0.003	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Propylbenzene[1-]	0.005	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Styrene	0.008	MG/KG	none
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Tetrachloroethane[1,1,1,2-]	0.005	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Tetrachloroethane[1,1,2,2-]	0.005	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Tetrachloroethene	0.005	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Toluene	0.005	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.005	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Trichloroethane[1,1,1-]	0.005	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Trichloroethane[1,1,2-]	0.005	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Trichloroethene	0.005	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Trichlorofluoromethane	0.005	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Trichloropropane[1,2,3-]	0.005	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Trimethylbenzene[1,2,4-]	0.005	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Trimethylbenzene[1,3,5-]	0.005	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Vinyl Chloride	0.01	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Xylene (Total)	0.005	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Acetone	0.022	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Benzene	0.0055	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Bromobenzene	0.0055	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Bromochloromethane	0.0055	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Bromodichloromethane	0.0055	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Bromoform	0.0055	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Bromomethane	0.011	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Butanone[2-]	0.022	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Butylbenzene[n-]	0.0055	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Butylbenzene[sec-]	0.0055	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Butylbenzene[tert-]	0.0055	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Carbon Disulfide	0.0055	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Carbon Tetrachloride	0.0055	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Chlorobenzene	0.0055	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Chlorodibromomethane	0.0055	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Chloroethane	0.011	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Chloroform	0.0055	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Chloromethane	0.011	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Chlorotoluene[2-]	0.0055	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Chlorotoluene[4-]	0.0055	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Dibromo-3-chloropropane[1,2-]	0.011	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Dibromoethane[1,2-]	0.0055	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Dibromomethane	0.0055	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Dichlorobenzene[1,2-]	0.0055	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Dichlorobenzene[1,3-]	0.0055	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Dichlorobenzene[1,4-]	0.0055	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Dichlorodifluoromethane	0.011	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Dichloroethane[1,1-]	0.0055	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Dichloroethane[1,2-]	0.0055	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Dichloroethene[1,1-]	0.0055	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Dichloroethene[cis-1,2-]	0.011	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Dichloroethene[trans-1,2-]	0.011	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Dichloropropane[1,2-]	0.0055	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Dichloropropane[1,3-]	0.0055	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Dichloropropane[2,2-]	0.0055	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Dichloropropene[1,1-]	0.0055	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Dichloropropene[cis-1,3-]	0.0055	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Dichloropropene[trans-1,3-]	0.0055	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Ethylbenzene	0.0055	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Hexanone[2-]	0.022	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Iodomethane	0.0055	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Isopropylbenzene	0.0055	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Isopropyltoluene[4-]	0.0055	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Methyl-2-pentanone[4-]	0.022	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Methylene Chloride	0.0055	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Propylbenzene[1-]	0.0055	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Styrene	0.0055	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Tetrachloroethane[1,1,1,2-]	0.0055	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Tetrachloroethane[1,1,2,2-]	0.0055	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Tetrachloroethene	0.0055	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Toluene	0.0055	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Trichloro-1,2,2-	0.0055	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
							trifluoroethane[1,1,2-]			
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Trichloroethane[1,1,1-]	0.0055	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Trichloroethane[1,1,2-]	0.0055	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Trichloroethene	0.0055	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Trichlorofluoromethane	0.0055	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Trichloropropane[1,2,3-]	0.0055	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Trimethylbenzene[1,2,4-]	0.0055	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Trimethylbenzene[1,3,5-]	0.0055	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Vinyl Chloride	0.011	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Xylene (Total)	0.0055	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Acetone	0.051	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Benzene	0.006	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Bromobenzene	0.006	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Bromochloromethane	0.006	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Bromodichloromethane	0.006	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Bromoform	0.006	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Bromomethane	0.011	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Butanone[2-]	0.022	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Butylbenzene[n-]	0.006	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Butylbenzene[sec-]	0.006	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Butylbenzene[tert-]	0.006	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Carbon Disulfide	0.006	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Carbon Tetrachloride	0.006	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Chlorobenzene	0.006	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Chlorodibromomethane	0.006	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Chloroethane	0.011	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Chloroform	0.006	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Chloromethane	0.011	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Chlorotoluene[2-]	0.006	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Chlorotoluene[4-]	0.006	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Dibromo-3-chloropropane[1,2-]	0.011	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Dibromoethane[1,2-]	0.006	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Dibromomethane	0.006	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Dichlorobenzene[1,2-]	0.006	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Dichlorobenzene[1,3-]	0.006	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Dichlorobenzene[1,4-]	0.006	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Dichlorodifluoromethane	0.011	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Dichloroethane[1,1-]	0.006	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Dichloroethane[1,2-]	0.006	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Dichloroethene[1,1-]	0.006	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Dichloroethene[cis-1,2-]	0.006	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Dichloroethene[trans-1,2-]	0.006	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Dichloropropane[1,2-]	0.006	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Dichloropropane[1,3-]	0.006	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Dichloropropane[2,2-]	0.006	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Dichloropropene[1,1-]	0.006	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Dichloropropene[cis-1,3-]	0.006	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Dichloropropene[trans-1,3-]	0.006	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Ethylbenzene	0.006	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Hexanone[2-]	0.022	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Iodomethane	0.006	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Isopropylbenzene	0.006	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Isopropyltoluene[4-]	0.006	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Methyl-2-pentanone[4-]	0.022	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Methylene Chloride	0.008	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Propylbenzene[1-]	0.006	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Styrene	0.006	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Tetrachloroethane[1,1,1,2-]	0.006	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Tetrachloroethane[1,1,2,2-]	0.006	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Tetrachloroethene	0.006	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Toluene	0.006	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.006	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Trichloroethane[1,1,1-]	0.006	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Trichloroethane[1,1,2-]	0.006	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Trichloroethene	0.006	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Trichlorofluoromethane	0.006	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Trichloropropane[1,2,3-]	0.006	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Trimethylbenzene[1,2,4-]	0.006	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Trimethylbenzene[1,3,5-]	0.006	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Vinyl Chloride	0.011	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Xylene (Total)	0.006	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Acetone	0.006	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Benzene	0.007	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Bromobenzene	0.007	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Bromochloromethane	0.007	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Bromodichloromethane	0.007	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Bromoform	0.007	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Bromomethane	0.014	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Butanone[2-]	0.028	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Butylbenzene[n-]	0.007	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Butylbenzene[sec-]	0.007	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Butylbenzene[tert-]	0.007	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Carbon Disulfide	0.007	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Carbon Tetrachloride	0.007	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Chlorobenzene	0.007	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Chlorodibromomethane	0.007	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Chloroethane	0.014	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Chloroform	0.007	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Chloromethane	0.014	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Chlorotoluene[2-]	0.007	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Chlorotoluene[4-]	0.007	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Dibromo-3-chloropropane[1,2-]	0.014	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Dibromoethane[1,2-]	0.007	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Dibromomethane	0.007	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Dichlorobenzene[1,2-]	0.007	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Dichlorobenzene[1,3-]	0.007	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Dichlorobenzene[1,4-]	0.007	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Dichlorodifluoromethane	0.014	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Dichloroethane[1,1-]	0.007	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Dichloroethane[1,2-]	0.007	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Dichloroethene[1,1-]	0.007	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Dichloroethene[cis-1,2-]	0.007	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Dichloroethene[trans-1,2-]	0.007	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Dichloropropane[1,2-]	0.007	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Dichloropropane[1,3-]	0.007	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Dichloropropane[2,2-]	0.007	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Dichloropropene[1,1-]	0.007	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Dichloropropene[cis-1,3-]	0.007	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Dichloropropene[trans-1,3-]	0.007	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Ethylbenzene	0.007	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Hexanone[2-]	0.028	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Iodomethane	0.007	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Isopropylbenzene	0.007	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Isopropyltoluene[4-]	0.007	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Methyl-2-pentanone[4-]	0.028	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Methylene Chloride	0.01	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Propylbenzene[1-]	0.007	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Styrene	0.007	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Tetrachloroethane[1,1,1,2-]	0.007	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Tetrachloroethane[1,1,2,2-]	0.007	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Tetrachloroethene	0.007	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Toluene	0.007	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.007	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Trichloroethane[1,1,1-]	0.007	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Trichloroethane[1,1,2-]	0.007	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Trichloroethene	0.007	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Trichlorofluoromethane	0.007	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Trichloropropane[1,2,3-]	0.007	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Trimethylbenzene[1,2,4-]	0.007	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Trimethylbenzene[1,3,5-]	0.007	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Vinyl Chloride	0.014	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Xylene (Total)	0.007	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Acetone	0.43	MG/KG	none
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Benzene	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Bromobenzene	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Bromochloromethane	0.006	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Bromodichloromethane	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Bromoform	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Bromomethane	0.011	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Butanone[2-]	0.022	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Butylbenzene[n-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Butylbenzene[sec-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Butylbenzene[tert-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Carbon Disulfide	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Carbon Tetrachloride	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Chlorobenzene	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Chlorodibromomethane	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Chloroethane	0.011	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Chloroform	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Chloromethane	0.011	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Chlorotoluene[2-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Chlorotoluene[4-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Dibromo-3-chloropropane[1,2-]	0.011	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Dibromoethane[1,2-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Dibromomethane	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Dichlorobenzene[1,2-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Dichlorobenzene[1,3-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Dichlorobenzene[1,4-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Dichlorodifluoromethane	0.011	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Dichloroethane[1,1-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Dichloroethane[1,2-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Dichloroethene[1,1-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Dichloroethene[cis-1,2-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Dichloroethene[trans-1,2-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Dichloropropane[1,2-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Dichloropropane[1,3-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Dichloropropane[2,2-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Dichloropropene[1,1-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Dichloropropene[cis-1,3-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Dichloropropene[trans-1,3-]	0.006	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Ethylbenzene	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Hexachlorobutadiene	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Hexanone[2-]	0.022	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Iodomethane	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Isopropylbenzene	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Isopropyltoluene[4-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Methyl-2-pentanone[4-]	0.022	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Methylene Chloride	0.008	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Naphthalene	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Propylbenzene[1-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Styrene	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Tetrachloroethane[1,1,1,2-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Tetrachloroethane[1,1,2,2-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Tetrachloroethene	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Toluene	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Trichlorobenzene[1,2,3-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Trichlorobenzene[1,2,4-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Trichloroethane[1,1,1-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Trichloroethane[1,1,2-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Trichloroethene	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Trichlorofluoromethane	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Trichloropropane[1,2,3-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Trimethylbenzene[1,2,4-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Trimethylbenzene[1,3,5-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Vinyl Chloride	0.011	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Xylene[1,2-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Xylene[1,4-]	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Acetone	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Benzene	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Bromobenzene	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Bromochloromethane	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Bromodichloromethane	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Bromoform	0.005	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Bromomethane	0.011	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Butanone[2-]	0.022	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Butylbenzene[n-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Butylbenzene[sec-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Butylbenzene[tert-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Carbon Disulfide	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Carbon Tetrachloride	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Chlorobenzene	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Chlorodibromomethane	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Chloroethane	0.011	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Chloroform	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Chloromethane	0.011	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Chlorotoluene[2-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Chlorotoluene[4-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Dibromo-3-chloropropane[1,2-]	0.011	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Dibromoethane[1,2-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Dibromomethane	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Dichlorobenzene[1,2-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Dichlorobenzene[1,3-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Dichlorobenzene[1,4-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Dichlorodifluoromethane	0.011	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Dichloroethane[1,1-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Dichloroethane[1,2-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Dichloroethene[1,1-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Dichloroethene[cis-1,2-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Dichloroethene[trans-1,2-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Dichloropropane[1,2-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Dichloropropane[1,3-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Dichloropropane[2,2-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Dichloropropene[1,1-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Dichloropropene[cis-1,3-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Dichloropropene[trans-1,3-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Ethylbenzene	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Hexachlorobutadiene	0.005	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Hexanone[2-]	0.022	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Iodomethane	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Isopropylbenzene	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Isopropyltoluene[4-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Methyl-2-pentanone[4-]	0.022	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Methylene Chloride	0.003	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Naphthalene	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Propylbenzene[1-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Styrene	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Tetrachloroethane[1,1,1,2-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Tetrachloroethane[1,1,2,2-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Tetrachloroethene	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Toluene	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Trichlorobenzene[1,2,3-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Trichlorobenzene[1,2,4-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Trichloroethane[1,1,1-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Trichloroethane[1,1,2-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Trichloroethene	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Trichlorofluoromethane	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Trichloropropane[1,2,3-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Trimethylbenzene[1,2,4-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Trimethylbenzene[1,3,5-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Vinyl Chloride	0.011	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Xylene[1,2-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Xylene[1,4-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Acetone	0.006	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Benzene	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Bromobenzene	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Bromochloromethane	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Bromodichloromethane	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Bromoform	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Bromomethane	0.01	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Butanone[2-]	0.021	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Butylbenzene[n-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Butylbenzene[sec-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Butylbenzene[tert-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Carbon Disulfide	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Carbon Tetrachloride	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Chlorobenzene	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Chlorodibromomethane	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Chloroethane	0.01	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Chloroform	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Chloromethane	0.01	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Chlorotoluene[2-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Chlorotoluene[4-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Dibromo-3-chloropropane[1,2-]	0.01	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Dibromoethane[1,2-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Dibromomethane	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Dichlorobenzene[1,2-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Dichlorobenzene[1,3-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Dichlorobenzene[1,4-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Dichlorodifluoromethane	0.01	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Dichloroethane[1,1-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Dichloroethane[1,2-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Dichloroethene[1,1-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Dichloroethene[cis-1,2-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Dichloroethene[trans-1,2-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Dichloropropane[1,2-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Dichloropropane[1,3-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Dichloropropane[2,2-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Dichloropropene[1,1-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Dichloropropene[cis-1,3-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Dichloropropene[trans-1,3-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Ethylbenzene	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Hexachlorobutadiene	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Hexanone[2-]	0.021	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Iodomethane	0.005	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Isopropylbenzene	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Isopropyltoluene[4-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Methyl-2-pentanone[4-]	0.021	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Methylene Chloride	0.002	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Naphthalene	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Propylbenzene[1-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Styrene	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Tetrachloroethane[1,1,1,2-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Tetrachloroethane[1,1,2,2-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Tetrachloroethene	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Toluene	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Trichlorobenzene[1,2,3-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Trichlorobenzene[1,2,4-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Trichloroethane[1,1,1-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Trichloroethane[1,1,2-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Trichloroethene	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Trichlorofluoromethane	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Trichloropropane[1,2,3-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Trimethylbenzene[1,2,4-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Trimethylbenzene[1,3,5-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Vinyl Chloride	0.01	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Xylene[1,2-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Xylene[1,4-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Acetone	0.007	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Benzene	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Bromobenzene	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Bromochloromethane	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Bromodichloromethane	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Bromoform	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Bromomethane	0.01	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Butanone[2-]	0.021	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Butylbenzene[n-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Butylbenzene[sec-]	0.005	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Butylbenzene[tert-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Carbon Disulfide	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Carbon Tetrachloride	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Chlorobenzene	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Chlorodibromomethane	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Chloroethane	0.01	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Chloroform	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Chloromethane	0.01	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Chlorotoluene[2-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Chlorotoluene[4-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Dibromo-3-chloropropane[1,2-]	0.01	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Dibromoethane[1,2-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Dibromomethane	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Dichlorobenzene[1,2-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Dichlorobenzene[1,3-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Dichlorobenzene[1,4-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Dichlorodifluoromethane	0.01	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Dichloroethane[1,1-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Dichloroethane[1,2-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Dichloroethene[1,1-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Dichloroethene[cis-1,2-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Dichloroethene[trans-1,2-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Dichloropropane[1,2-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Dichloropropane[1,3-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Dichloropropane[2,2-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Dichloropropene[1,1-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Dichloropropene[cis-1,3-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Dichloropropene[trans-1,3-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Ethylbenzene	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Hexachlorobutadiene	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Hexanone[2-]	0.021	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Iodomethane	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Isopropylbenzene	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Isopropyltoluene[4-]	0.005	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Methyl-2-pentanone[4-]	0.021	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Methylene Chloride	0.002	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Naphthalene	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Propylbenzene[1-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Styrene	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Tetrachloroethane[1,1,1,2-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Tetrachloroethane[1,1,2,2-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Tetrachloroethene	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Toluene	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Trichlorobenzene[1,2,3-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Trichlorobenzene[1,2,4-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Trichloroethane[1,1,1-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Trichloroethane[1,1,2-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Trichloroethene	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Trichlorofluoromethane	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Trichloropropane[1,2,3-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Trimethylbenzene[1,2,4-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Trimethylbenzene[1,3,5-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Vinyl Chloride	0.01	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Xylene[1,2-]	0.005	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Xylene[1,4-]	0.005	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Acetone	0.0072	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Benzene	0.0056	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Bromobenzene	0.0056	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Bromochloromethane	0.0056	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Bromodichloromethane	0.0056	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Bromoform	0.0056	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Bromomethane	0.011	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Butanone[2-]	0.022	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Butylbenzene[n-]	0.0056	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Butylbenzene[sec-]	0.0056	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Butylbenzene[tert-]	0.0056	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Carbon Disulfide	0.0056	MG/KG	U

Table I-2.0-7 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Carbon Tetrachloride	0.0056	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Chlorobenzene	0.0056	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Chlorodibromomethane	0.0056	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Chloroethane	0.011	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Chloroform	0.0056	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Chloromethane	0.011	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Chlorotoluene[2-]	0.0056	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Chlorotoluene[4-]	0.0056	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Dibromo-3-chloropropane[1,2-]	0.011	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Dibromoethane[1,2-]	0.0056	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Dibromomethane	0.0056	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Dichlorobenzene[1,2-]	0.0056	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Dichlorobenzene[1,3-]	0.0056	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Dichlorobenzene[1,4-]	0.0056	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Dichlorodifluoromethane	0.011	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Dichloroethane[1,1-]	0.0056	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Dichloroethane[1,2-]	0.0056	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Dichloroethene[1,1-]	0.0056	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Dichloroethene[cis-1,2-]	0.0056	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Dichloroethene[trans-1,2-]	0.0056	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Dichloropropane[1,2-]	0.0056	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Dichloropropane[1,3-]	0.0056	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Dichloropropane[2,2-]	0.0056	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Dichloropropene[1,1-]	0.0056	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Dichloropropene[cis-1,3-]	0.0056	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Dichloropropene[trans-1,3-]	0.0056	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Ethylbenzene	0.0056	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Hexachlorobutadiene	0.0056	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Hexanone[2-]	0.022	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Iodomethane	0.0056	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Isopropylbenzene	0.0056	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Isopropyltoluene[4-]	0.0056	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Methyl-2-pentanone[4-]	0.022	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Methylene Chloride	0.0056	MG/KG	U

Table I-2.0-7 (concluded)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Naphthalene	0.0056	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Propylbenzene[1-]	0.0056	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Styrene	0.0056	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Tetrachloroethane[1,1,1,2-]	0.0056	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Tetrachloroethane[1,1,2,2-]	0.0056	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Tetrachloroethene	0.0056	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Toluene	0.0056	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.0056	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Trichlorobenzene[1,2,3-]	0.0056	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Trichlorobenzene[1,2,4-]	0.0056	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Trichloroethane[1,1,1-]	0.0056	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Trichloroethane[1,1,2-]	0.0056	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Trichloroethene	0.0056	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Trichlorofluoromethane	0.0056	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Trichloropropane[1,2,3-]	0.0056	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Trimethylbenzene[1,2,4-]	0.0056	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Trimethylbenzene[1,3,5-]	0.0056	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Vinyl Chloride	0.011	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Xylene (Total)	0.0112	MG/KG	U

Table I-2.0-8

Semivolatile Chemicals in Borehole Soil and Tuff Samples

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Acenaphthene	0.19	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Acenaphthylene	0.19	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Aniline	0.19	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Anthracene	0.19	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Azobenzene	0.19	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Benzo(a)anthracene	0.19	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Benzo(a)pyrene	0.19	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Benzo(b)fluoranthene	0.19	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Benzo(g,h,i)perylene	0.19	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Benzo(k)fluoranthene	0.19	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Benzoic Acid	0.94	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Benzyl Alcohol	0.19	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Bis(2-chloroethoxy)methane	0.19	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Bis(2-chloroethyl)ether	0.19	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Bis(2-ethylhexyl)phthalate	0.19	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Bromophenyl-phenylether[4-]	0.19	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Butylbenzylphthalate	0.052	MG/KG	J
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Carbazole	0.19	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Chloro-3-methylphenol[4-]	0.19	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Chloroaniline[4-]	0.19	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Chloronaphthalene[2-]	0.19	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Chlorophenol[2-]	0.19	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Chlorophenyl-phenyl[4-] Ether	0.19	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Chrysene	0.19	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Dibenz(a,h)anthracene	0.109	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Dibenzofuran	0.19	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Dichlorobenzene[1,2-]	0.19	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Dichlorobenzene[1,3-]	0.19	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Dichlorobenzene[1,4-]	0.19	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Dichlorobenzidine[3,3'-]	0.19	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Dichlorophenol[2,4-]	0.19	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Diethylphthalate	0.19	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Dimethyl Phthalate	0.19	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Dimethylphenol[2,4-]	0.19	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Di-n-butylphthalate	0.19	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Dinitro-2-methylphenol[4,6-]	0.47	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Dinitrophenol[2,4-]	0.47	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Dinitrotoluene[2,4-]	0.19	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Dinitrotoluene[2,6-]	0.19	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Di-n-octylphthalate	0.19	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Fluoranthene	0.19	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Fluorene	0.19	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Hexachlorobenzene	0.19	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Hexachlorobutadiene	0.19	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Hexachlorocyclopentadiene	0.19	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Hexachloroethane	0.19	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Indeno(1,2,3-cd)pyrene	0.19	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Isophorone	0.19	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Methylnaphthalene[2-]	0.19	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Methylphenol[2-]	0.19	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Methylphenol[4-]	0.19	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Naphthalene	0.19	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Nitroaniline[2-]	0.47	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Nitroaniline[3-]	0.47	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Nitroaniline[4-]	0.39	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Nitrobenzene	0.19	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Nitrophenol[2-]	0.19	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Nitrophenol[4-]	0.47	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Nitrosodimethylamine[N-]	0.19	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Nitroso-di-n-propylamine[N-]	0.19	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Nitrosodiphenylamine[N-]	0.19	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Oxybis(1-chloropropane)[2,2'-]	0.19	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Pentachlorophenol	0.47	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Phenanthrene	0.19	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Phenol	0.19	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Pyrene	0.19	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Trichlorobenzene[1,2,4-]	0.19	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Trichlorophenol[2,4,5-]	0.47	MG/KG	U
16-021(c)	16-2700	0316-96-0250	7	8	FT	QBT5	Trichlorophenol[2,4,6-]	0.19	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Acenaphthene	0.48	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Acenaphthylene	0.48	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Aniline	0.48	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Anthracene	4.3	MG/KG	none
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Benzo(a)anthracene	0.48	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Benzo(a)pyrene	0.075	MG/KG	J
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Benzo(b)fluoranthene	0.064	MG/KG	J
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Benzo(g,h,i)perylene	0.061	MG/KG	J
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Benzo(k)fluoranthene	0.072	MG/KG	J
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Benzoic Acid	2.4	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Benzyl Alcohol	0.95	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Bis(2-chloroethoxy)methane	0.48	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Bis(2-chloroethyl)ether	0.48	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Bis(2-ethylhexyl)phthalate	1.2	MG/KG	none
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Bromophenyl-phenylether[4-]	0.48	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Butylbenzylphthalate	0.48	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Chloro-3-methylphenol[4-]	0.95	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Chloroaniline[4-]	0.95	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Chloronaphthalene[2-]	0.48	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Chlorophenol[2-]	0.48	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Chlorophenyl-phenyl[4-] Ether	0.48	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Chrysene	0.48	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Dibenz(a,h)anthracene	0.079	MG/KG	J
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Dibenzofuran	0.48	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Dichlorobenzene[1,2-]	0.48	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Dichlorobenzene[1,3-]	0.48	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Dichlorobenzene[1,4-]	0.48	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Dichlorobenzidine[3,3'-]	0.95	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Dichlorophenol[2,4-]	0.48	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Diethylphthalate	0.48	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Dimethyl Phthalate	0.48	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Dimethylphenol[2,4-]	0.48	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Di-n-butylphthalate	0.48	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Dinitro-2-methylphenol[4,6-]	2.4	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Dinitrophenol[2,4-]	2.4	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Dinitrotoluene[2,4-]	0.29	MG/KG	J
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Dinitrotoluene[2,6-]	0.071	MG/KG	J
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Di-n-octylphthalate	0.48	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Diphenylhydrazine[1,2-]	0.48	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Fluoranthene	0.48	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Fluorene	0.48	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Hexachlorobenzene	0.48	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Hexachlorobutadiene	0.48	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Hexachlorocyclopentadiene	0.48	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Hexachloroethane	0.48	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Indeno(1,2,3-cd)pyrene	0.08	MG/KG	J
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Isophorone	0.48	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Methylnaphthalene[2-]	0.48	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Methylphenol[2-]	0.48	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Methylphenol[4-]	0.48	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Naphthalene	0.48	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Nitroaniline[2-]	2.4	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Nitroaniline[3-]	2.4	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Nitroaniline[4-]	0.95	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Nitrobenzene	0.48	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Nitrophenol[2-]	0.48	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Nitrophenol[4-]	2.4	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Nitrosodimethylamine[N-]	0.48	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Nitroso-di-n-propylamine[N-]	0.48	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Nitrosodiphenylamine[N-]	0.48	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Oxybis(1-chloropropane)[2,2'-]	0.48	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Pentachlorophenol	2.4	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Phenanthrene	0.057	MG/KG	J
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Phenol	0.48	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Pyrene	0.48	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Trichlorobenzene[1,2,4-]	0.48	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Trichlorophenol[2,4,5-]	2.4	MG/KG	U
16-021(c)	16-2700	0316-96-0252	6.2	17.5	FT	SURGE	Trichlorophenol[2,4,6-]	0.48	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Acenaphthene	0.39	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Acenaphthylene	0.39	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Aniline	0.39	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Anthracene	1.6	MG/KG	none
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Azobenzene	0.39	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Benzo(a)anthracene	0.39	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Benzo(a)pyrene	0.39	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Benzo(b)fluoranthene	0.39	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Benzo(g,h,i)perylene	0.39	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Benzo(k)fluoranthene	0.39	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Benzoic Acid	3.9	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Benzyl Alcohol	1.6	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Bis(2-chloroethoxy)methane	0.39	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Bis(2-chloroethyl)ether	0.39	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Bis(2-ethylhexyl)phthalate	0.35	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Bromophenyl-phenylether[4-]	0.39	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Butylbenzylphthalate	0.39	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Carbazole	0.39	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Chloro-3-methylphenol[4-]	0.79	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Chloroaniline[4-]	1.6	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Chloronaphthalene[2-]	0.39	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Chlorophenol[2-]	0.39	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Chlorophenyl-phenyl[4-] Ether	0.39	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Chrysene	0.39	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Dibenz(a,h)anthracene	0.39	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Dibenzofuran	0.39	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Dichlorobenzene[1,2-]	0.39	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Dichlorobenzene[1,3-]	0.39	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Dichlorobenzene[1,4-]	0.39	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Dichlorobenzidine[3,3'-]	0.79	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Dichlorophenol[2,4-]	0.39	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Diethylphthalate	0.39	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Dimethyl Phthalate	0.39	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Dimethylphenol[2,4-]	0.39	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Di-n-butylphthalate	0.39	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Dinitro-2-methylphenol[4,6-]	1.9	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Dinitrophenol[2,4-]	1.9	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Dinitrotoluene[2,4-]	0.12	MG/KG	J
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Dinitrotoluene[2,6-]	0.39	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Di-n-octylphthalate	0.39	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Fluoranthene	0.39	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Fluorene	0.39	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Hexachlorobenzene	0.39	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Hexachlorobutadiene	0.39	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Hexachlorocyclopentadiene	0.39	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Hexachloroethane	0.39	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Indeno(1,2,3-cd)pyrene	0.39	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Isophorone	0.39	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Methylnaphthalene[2-]	0.39	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Methylphenol[2-]	0.39	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Methylphenol[4-]	0.39	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Naphthalene	0.39	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Nitroaniline[2-]	1.9	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Nitroaniline[3-]	1.9	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Nitroaniline[4-]	0.72	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Nitrobenzene	0.39	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Nitrophenol[2-]	0.39	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Nitrophenol[4-]	1.9	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Nitrosodimethylamine[N-]	0.39	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Nitroso-di-n-propylamine[N-]	0.39	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Nitrosodiphenylamine[N-]	0.39	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Oxybis(1-chloropropane)[2,2'-]	0.39	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Pentachlorophenol	1.9	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Phenanthrene	0.39	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Phenol	0.39	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Pyrene	0.39	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Trichlorobenzene[1,2,4-]	0.39	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Trichlorophenol[2,4,5-]	1.9	MG/KG	U
16-021(c)	16-2700	0316-96-0254	15.5	16.5	FT	QBT5	Trichlorophenol[2,4,6-]	0.39	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Acenaphthene	0.42	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Acenaphthylene	0.42	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Aniline	0.42	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Anthracene	0.42	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Azobenzene	0.42	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Benzo(a)anthracene	0.42	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Benzo(a)pyrene	0.42	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Benzo(b)fluoranthene	0.42	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Benzo(g,h,i)perylene	0.42	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Benzo(k)fluoranthene	0.42	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Benzoic Acid	2.1	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Benzyl Alcohol	0.84	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Bis(2-chloroethoxy)methane	0.42	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Bis(2-chloroethyl)ether	0.42	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Bis(2-ethylhexyl)phthalate	0.42	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Bromophenyl-phenylether[4-]	0.42	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Butylbenzylphthalate	0.42	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Chloro-3-methylphenol[4-]	0.84	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Chloroaniline[4-]	0.84	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Chloronaphthalene[2-]	0.42	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Chlorophenol[2-]	0.42	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Chlorophenyl-phenyl[4-] Ether	0.42	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Chrysene	0.42	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Dibenz(a,h)anthracene	0.42	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Dibenzofuran	0.42	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Dichlorobenzene[1,2-]	0.42	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Dichlorobenzene[1,3-]	0.42	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Dichlorobenzene[1,4-]	0.42	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Dichlorobenzidine[3,3'-]	0.84	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Dichlorophenol[2,4-]	0.42	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Diethylphthalate	0.42	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Dimethyl Phthalate	0.42	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Dimethylphenol[2,4-]	0.42	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Di-n-butylphthalate	0.42	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Dinitro-2-methylphenol[4,6-]	2.1	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Dinitrophenol[2,4-]	2.1	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Dinitrotoluene[2,4-]	0.42	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Dinitrotoluene[2,6-]	0.42	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Di-n-octylphthalate	0.42	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Fluoranthene	0.42	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Fluorene	0.42	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Hexachlorobenzene	0.42	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Hexachlorobutadiene	0.42	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Hexachlorocyclopentadiene	0.42	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Hexachloroethane	0.42	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Indeno(1,2,3-cd)pyrene	0.42	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Isophorone	0.42	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Methylnaphthalene[2-]	0.42	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Methylphenol[2-]	0.42	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Methylphenol[4-]	0.42	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Naphthalene	0.42	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Nitroaniline[2-]	2.1	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Nitroaniline[3-]	2.1	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Nitroaniline[4-]	0.84	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Nitrobenzene	0.42	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Nitrophenol[2-]	0.42	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Nitrophenol[4-]	2.1	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Nitrosodimethylamine[N-]	0.42	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Nitroso-di-n-propylamine[N-]	0.42	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Nitrosodiphenylamine[N-]	0.42	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Oxybis(1-chloropropane)[2,2'-]	0.42	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Pentachlorophenol	2.1	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Phenanthrene	0.42	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Phenol	0.42	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Pyrene	0.42	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Trichlorobenzene[1,2,4-]	0.42	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Trichlorophenol[2,4,5-]	2.1	MG/KG	U
16-021(c)	16-2705	0316-96-0280	4	5	FT	QBT5	Trichlorophenol[2,4,6-]	0.42	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Acenaphthene	0.38	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Acenaphthylene	0.38	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Aniline	0.76	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Anthracene	2.8	MG/KG	none
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Azobenzene	0.76	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Benzo(a)anthracene	0.38	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Benzo(a)pyrene	0.38	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Benzo(b)fluoranthene	0.38	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Benzo(g,h,i)perylene	0.38	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Benzo(k)fluoranthene	0.38	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Benzoic Acid	3.8	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Benzyl Alcohol	1.5	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Bis(2-chloroethoxy)methane	0.38	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Bis(2-chloroethyl)ether	0.38	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Bis(2-ethylhexyl)phthalate	0.97	MG/KG	none
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Bromophenyl-phenylether[4-]	0.38	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Butylbenzylphthalate	0.38	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Chloro-3-methylphenol[4-]	0.76	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Chloroaniline[4-]	1.5	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Chloronaphthalene[2-]	0.38	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Chlorophenol[2-]	0.38	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Chlorophenyl-phenyl[4-] Ether	0.38	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Chrysene	0.38	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Dibenz(a,h)anthracene	0.38	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Dibenzofuran	0.38	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Dichlorobenzene[1,2-]	0.38	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Dichlorobenzene[1,3-]	0.38	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Dichlorobenzene[1,4-]	0.38	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Dichlorobenzidine[3,3'-]	0.76	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Dichlorophenol[2,4-]	0.38	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Diethylphthalate	0.38	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Dimethyl Phthalate	0.38	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Dimethylphenol[2,4-]	0.38	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Di-n-butylphthalate	0.38	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Dinitro-2-methylphenol[4,6-]	1.8	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Dinitrophenol[2,4-]	1.8	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Dinitrotoluene[2,4-]	0.38	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Dinitrotoluene[2,6-]	0.38	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Di-n-octylphthalate	0.38	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Fluoranthene	0.38	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Fluorene	0.38	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Hexachlorobenzene	0.38	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Hexachlorobutadiene	0.38	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Hexachlorocyclopentadiene	0.38	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Hexachloroethane	0.38	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Indeno(1,2,3-cd)pyrene	0.38	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Isophorone	0.38	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Methylnaphthalene[2-]	0.38	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Methylphenol[2-]	0.38	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Methylphenol[4-]	0.38	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Naphthalene	0.38	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Nitroaniline[2-]	1.8	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Nitroaniline[3-]	1.8	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Nitroaniline[4-]	0.76	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Nitrobenzene	0.38	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Nitrophenol[2-]	0.38	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Nitrophenol[4-]	1.8	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Nitrosodimethylamine[N-]	0.38	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Nitroso-di-n-propylamine[N-]	0.38	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Nitrosodiphenylamine[N-]	0.38	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Oxybis(1-chloropropane)[2,2'-]	0.38	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Pentachlorophenol	1.8	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Phenanthrene	0.38	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Phenol	0.38	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Pyrene	0.38	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Trichlorobenzene[1,2,4-]	0.38	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Trichlorophenol[2,4,5-]	1.8	MG/KG	U
16-021(c)	16-2705	0316-96-0281	12.5	13.5	FT	QBT5	Trichlorophenol[2,4,6-]	0.38	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Acenaphthene	0.38	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Acenaphthylene	0.38	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Aniline	0.75	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Anthracene	0.38	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Azobenzene	0.75	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Benzo(a)anthracene	0.38	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Benzo(a)pyrene	0.38	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Benzo(b)fluoranthene	0.38	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Benzo(g,h,i)perylene	0.38	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Benzo(k)fluoranthene	0.38	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Benzoic Acid	1.9	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Benzyl Alcohol	0.75	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Bis(2-chloroethoxy)methane	0.38	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Bis(2-chloroethyl)ether	0.38	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Bis(2-ethylhexyl)phthalate	0.38	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Bromophenyl-phenylether[4-]	0.38	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Butylbenzylphthalate	0.38	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Chloro-3-methylphenol[4-]	0.75	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Chloroaniline[4-]	0.75	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Chloronaphthalene[2-]	0.38	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Chlorophenol[2-]	0.38	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Chlorophenyl-phenyl[4-] Ether	0.38	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Chrysene	0.38	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Dibenz(a,h)anthracene	0.38	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Dibenzofuran	0.38	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Dichlorobenzene[1,2-]	0.38	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Dichlorobenzene[1,3-]	0.38	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Dichlorobenzene[1,4-]	0.38	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Dichlorobenzidine[3,3'-]	0.75	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Dichlorophenol[2,4-]	0.38	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Diethylphthalate	0.38	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Dimethyl Phthalate	0.38	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Dimethylphenol[2,4-]	0.38	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Di-n-butylphthalate	0.38	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Dinitro-2-methylphenol[4,6-]	1.9	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Dinitrophenol[2,4-]	1.9	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Dinitrotoluene[2,4-]	0.38	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Dinitrotoluene[2,6-]	0.38	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Di-n-octylphthalate	0.38	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Fluoranthene	0.38	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Fluorene	0.38	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Hexachlorobenzene	0.38	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Hexachlorobutadiene	0.38	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Hexachlorocyclopentadiene	0.38	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Hexachloroethane	0.38	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Indeno(1,2,3-cd)pyrene	0.38	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Isophorone	0.38	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Methylnaphthalene[2-]	0.38	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Methylphenol[2-]	0.38	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Methylphenol[4-]	0.38	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Naphthalene	0.38	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Nitroaniline[2-]	1.9	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Nitroaniline[3-]	1.9	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Nitroaniline[4-]	0.75	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Nitrobenzene	0.38	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Nitrophenol[2-]	0.38	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Nitrophenol[4-]	1.9	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Nitrosodimethylamine[N-]	0.38	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Nitroso-di-n-propylamine[N-]	0.38	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Nitrosodiphenylamine[N-]	0.38	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Oxybis(1-chloropropane)[2,2'-]	0.38	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Pentachlorophenol	1.9	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Phenanthrene	0.38	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Phenol	0.38	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Pyrene	0.38	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Trichlorobenzene[1,2,4-]	0.38	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Trichlorophenol[2,4,5-]	1.9	MG/KG	U
16-021(c)	16-2707	0316-96-0292	7.5	8.5	FT	QBT5	Trichlorophenol[2,4,6-]	0.38	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Acenaphthene	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Acenaphthylene	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Aniline	0.67	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Anthracene	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Azobenzene	0.67	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Benzo(a)anthracene	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Benzo(a)pyrene	0.34	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Benzo(b)fluoranthene	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Benzo(g,h,i)perylene	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Benzo(k)fluoranthene	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Benzoic Acid	1.7	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Benzyl Alcohol	0.67	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Bis(2-chloroethoxy)methane	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Bis(2-chloroethyl)ether	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Bis(2-ethylhexyl)phthalate	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Bromophenyl-phenylether[4-]	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Butylbenzylphthalate	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Chloro-3-methylphenol[4-]	0.67	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Chloroaniline[4-]	0.67	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Chloronaphthalene[2-]	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Chlorophenol[2-]	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Chlorophenyl-phenyl[4-] Ether	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Chrysene	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Dibenz(a,h)anthracene	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Dibenzofuran	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Dichlorobenzene[1,2-]	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Dichlorobenzene[1,3-]	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Dichlorobenzene[1,4-]	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Dichlorobenzidine[3,3'-]	0.67	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Dichlorophenol[2,4-]	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Diethylphthalate	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Dimethyl Phthalate	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Dimethylphenol[2,4-]	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Di-n-butylphthalate	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Dinitro-2-methylphenol[4,6-]	1.7	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Dinitrophenol[2,4-]	1.7	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Dinitrotoluene[2,4-]	0.34	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Dinitrotoluene[2,6-]	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Di-n-octylphthalate	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Fluoranthene	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Fluorene	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Hexachlorobenzene	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Hexachlorobutadiene	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Hexachlorocyclopentadiene	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Hexachloroethane	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Indeno(1,2,3-cd)pyrene	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Isophorone	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Methylnaphthalene[2-]	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Methylphenol[2-]	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Methylphenol[4-]	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Naphthalene	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Nitroaniline[2-]	1.7	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Nitroaniline[3-]	1.7	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Nitroaniline[4-]	0.67	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Nitrobenzene	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Nitrophenol[2-]	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Nitrophenol[4-]	1.7	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Nitrosodimethylamine[N-]	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Nitroso-di-n-propylamine[N-]	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Nitrosodiphenylamine[N-]	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Oxybis(1-chloropropane)[2,2'-]	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Pentachlorophenol	1.7	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Phenanthrene	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Phenol	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Pyrene	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Trichlorobenzene[1,2,4-]	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Trichlorophenol[2,4,5-]	1.7	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2707	0316-96-0293	24	25	FT	QBT5	Trichlorophenol[2,4,6-]	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Acenaphthene	0.17	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Acenaphthylene	0.17	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Aniline	0.17	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Anthracene	0.17	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Azobenzene	0.17	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Benzo(a)anthracene	0.17	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Benzo(a)pyrene	0.17	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Benzo(b)fluoranthene	0.17	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Benzo(g,h,i)perylene	0.17	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Benzo(k)fluoranthene	0.17	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Benzoic Acid	0.85	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Benzyl Alcohol	0.17	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Bis(2-chloroethoxy)methane	0.17	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Bis(2-chloroethyl)ether	0.17	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Bis(2-ethylhexyl)phthalate	0.17	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Bromophenyl-phenylether[4-]	0.17	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Butylbenzylphthalate	0.04	MG/KG	J
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Carbazole	0.17	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Chloro-3-methylphenol[4-]	0.17	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Chloroaniline[4-]	0.107	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Chloronaphthalene[2-]	0.17	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Chlorophenol[2-]	0.17	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Chlorophenyl-phenyl[4-] Ether	0.17	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Chrysene	0.17	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Dibenz(a,h)anthracene	0.17	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Dibenzofuran	0.17	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Dichlorobenzene[1,2-]	0.17	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Dichlorobenzene[1,3-]	0.17	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Dichlorobenzene[1,4-]	0.17	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Dichlorobenzidine[3,3'-]	0.17	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Dichlorophenol[2,4-]	0.17	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Diethylphthalate	0.17	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Dimethyl Phthalate	0.17	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Dimethylphenol[2,4-]	0.17	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Di-n-butylphthalate	0.17	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Dinitro-2-methylphenol[4,6-]	0.42	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Dinitrophenol[2,4-]	0.42	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Dinitrotoluene[2,4-]	0.17	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Dinitrotoluene[2,6-]	0.17	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Di-n-octylphthalate	0.17	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Fluoranthene	0.17	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Fluorene	0.17	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Hexachlorobenzene	0.17	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Hexachlorobutadiene	0.17	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Hexachlorocyclopentadiene	0.17	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Hexachloroethane	0.17	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Indeno(1,2,3-cd)pyrene	0.17	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Isophorone	0.17	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Methylnaphthalene[2-]	0.17	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Methylphenol[2-]	0.17	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Methylphenol[4-]	0.17	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Naphthalene	0.17	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Nitroaniline[2-]	0.42	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Nitroaniline[3-]	0.42	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Nitroaniline[4-]	0.35	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Nitrobenzene	0.17	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Nitrophenol[2-]	0.17	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Nitrophenol[4-]	0.42	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Nitrosodimethylamine[N-]	0.17	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Nitroso-di-n-propylamine[N-]	0.17	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Nitrosodiphenylamine[N-]	0.17	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Oxybis(1-chloropropane)[2,2'-]	0.17	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Pentachlorophenol	0.42	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Phenanthrene	0.17	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Phenol	0.17	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Pyrene	0.17	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Trichlorobenzene[1,2,4-]	0.17	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Trichlorophenol[2,4,5-]	0.42	MG/KG	U
16-021(c)	16-2707	0316-96-0294	64	65	FT	QBT4	Trichlorophenol[2,4,6-]	0.17	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Acenaphthene	0.18	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Acenaphthylene	0.18	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Aniline	0.18	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Anthracene	0.18	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Azobenzene	0.18	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Benzo(a)anthracene	0.18	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Benzo(a)pyrene	0.18	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Benzo(b)fluoranthene	0.18	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Benzo(g,h,i)perylene	0.18	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Benzo(k)fluoranthene	0.18	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Benzoic Acid	0.87	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Benzyl Alcohol	0.18	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Bis(2-chloroethoxy)methane	0.18	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Bis(2-chloroethyl)ether	0.18	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Bis(2-ethylhexyl)phthalate	0.18	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Bromophenyl-phenylether[4-]	0.18	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Butylbenzylphthalate	0.049	MG/KG	J
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Carbazole	0.18	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Chloro-3-methylphenol[4-]	0.18	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Chloroaniline[4-]	0.18	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Chloronaphthalene[2-]	0.18	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Chlorophenol[2-]	0.18	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Chlorophenyl-phenyl[4-] Ether	0.18	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Chrysene	0.18	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Dibenz(a,h)anthracene	0.18	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Dibenzofuran	0.18	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Dichlorobenzene[1,2-]	0.18	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Dichlorobenzene[1,3-]	0.18	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Dichlorobenzene[1,4-]	0.18	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Dichlorobenzidine[3,3'-]	0.18	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Dichlorophenol[2,4-]	0.18	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Diethylphthalate	0.18	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Dimethyl Phthalate	0.18	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Dimethylphenol[2,4-]	0.18	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Di-n-butylphthalate	0.038	MG/KG	J
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Dinitro-2-methylphenol[4,6-]	0.44	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Dinitrophenol[2,4-]	0.44	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Dinitrotoluene[2,4-]	0.18	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Dinitrotoluene[2,6-]	0.18	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Di-n-octylphthalate	0.18	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Fluoranthene	0.18	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Fluorene	0.18	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Hexachlorobenzene	0.18	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Hexachlorobutadiene	0.18	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Hexachlorocyclopentadiene	0.18	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Hexachloroethane	0.18	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Indeno(1,2,3-cd)pyrene	0.18	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Isophorone	0.18	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Methylnaphthalene[2-]	0.18	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Methylphenol[2-]	0.18	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Methylphenol[4-]	0.18	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Naphthalene	0.18	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Nitroaniline[2-]	0.44	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Nitroaniline[3-]	0.44	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Nitroaniline[4-]	0.36	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Nitrobenzene	0.18	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Nitrophenol[2-]	0.18	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Nitrophenol[4-]	0.44	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Nitrosodimethylamine[N-]	0.18	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Nitroso-di-n-propylamine[N-]	0.18	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Nitrosodiphenylamine[N-]	0.18	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Oxybis(1-chloropropane)[2,2'-]	0.18	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Pentachlorophenol	0.44	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Phenanthrene	0.18	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Phenol	0.18	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Pyrene	0.18	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Trichlorobenzene[1,2,4-]	0.18	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Trichlorophenol[2,4,5-]	0.44	MG/KG	U
16-021(c)	16-2707	0316-96-0295	68.5	69.5	FT	QBT4	Trichlorophenol[2,4,6-]	0.18	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Acenaphthene	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Acenaphthylene	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Aniline	0.67	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Anthracene	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Azobenzene	0.67	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Benzo(a)anthracene	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Benzo(a)pyrene	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Benzo(b)fluoranthene	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Benzo(g,h,i)perylene	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Benzo(k)fluoranthene	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Benzoic Acid	1.7	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Benzyl Alcohol	0.67	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Bis(2-chloroethoxy)methane	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Bis(2-chloroethyl)ether	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Bis(2-ethylhexyl)phthalate	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Bromophenyl-phenylether[4-]	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Butylbenzylphthalate	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Chloro-3-methylphenol[4-]	0.67	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Chloroaniline[4-]	0.67	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Chloronaphthalene[2-]	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Chlorophenol[2-]	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Chlorophenyl-phenyl[4-] Ether	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Chrysene	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Dibenz(a,h)anthracene	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Dibenzofuran	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Dichlorobenzene[1,2-]	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Dichlorobenzene[1,3-]	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Dichlorobenzene[1,4-]	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Dichlorobenzidine[3,3'-]	0.67	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Dichlorophenol[2,4-]	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Diethylphthalate	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Dimethyl Phthalate	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Dimethylphenol[2,4-]	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Di-n-butylphthalate	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Dinitro-2-methylphenol[4,6-]	1.7	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Dinitrophenol[2,4-]	1.7	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Dinitrotoluene[2,4-]	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Dinitrotoluene[2,6-]	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Di-n-octylphthalate	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Fluoranthene	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Fluorene	0.34	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Hexachlorobenzene	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Hexachlorobutadiene	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Hexachlorocyclopentadiene	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Hexachloroethane	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Indeno(1,2,3-cd)pyrene	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Isophorone	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Methylnaphthalene[2-]	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Methylphenol[2-]	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Methylphenol[4-]	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Naphthalene	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Nitroaniline[2-]	1.7	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Nitroaniline[3-]	1.7	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Nitroaniline[4-]	0.67	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Nitrobenzene	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Nitrophenol[2-]	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Nitrophenol[4-]	1.7	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Nitrosodimethylamine[N-]	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Nitroso-di-n-propylamine[N-]	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Nitrosodiphenylamine[N-]	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Oxybis(1-chloropropane)[2,2'-]	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Pentachlorophenol	1.7	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Phenanthrene	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Phenol	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Pyrene	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Trichlorobenzene[1,2,4-]	0.34	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Trichlorophenol[2,4,5-]	1.7	MG/KG	U
16-021(c)	16-2707	0316-96-0296	39	40	FT	QBT4	Trichlorophenol[2,4,6-]	0.34	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Acenaphthene	0.35	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Acenaphthylene	0.35	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Aniline	0.35	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Anthracene	0.35	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Benzo(a)anthracene	0.35	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Benzo(a)pyrene	0.35	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Benzo(b)fluoranthene	0.35	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Benzo(g,h,i)perylene	0.35	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Benzo(k)fluoranthene	0.35	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Benzoic Acid	3.5	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Benzyl Alcohol	1.4	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Bis(2-chloroethoxy)methane	0.35	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Bis(2-chloroethyl)ether	0.35	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Bis(2-ethylhexyl)phthalate	0.35	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Bromophenyl-phenylether[4-]	0.35	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Butylbenzylphthalate	0.35	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Chloro-3-methylphenol[4-]	0.7	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Chloroaniline[4-]	1.4	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Chloronaphthalene[2-]	0.35	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Chlorophenol[2-]	0.35	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Chlorophenyl-phenyl[4-] Ether	0.35	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Chrysene	0.35	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Dibenz(a,h)anthracene	0.35	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Dibenzofuran	0.35	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Dichlorobenzene[1,2-]	0.35	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Dichlorobenzene[1,3-]	0.35	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Dichlorobenzene[1,4-]	0.35	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Dichlorobenzidine[3,3'-]	0.7	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Dichlorophenol[2,4-]	0.35	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Diethylphthalate	0.35	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Dimethyl Phthalate	0.35	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Dimethylphenol[2,4-]	0.35	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Di-n-butylphthalate	0.35	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Dinitro-2-methylphenol[4,6-]	1.7	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Dinitrophenol[2,4-]	1.7	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Dinitrotoluene[2,4-]	0.35	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Dinitrotoluene[2,6-]	0.35	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Di-n-octylphthalate	0.35	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Fluoranthene	0.35	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Fluorene	0.35	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Hexachlorobenzene	0.35	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Hexachlorobutadiene	0.35	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Hexachlorocyclopentadiene	0.35	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Hexachloroethane	0.35	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Indeno(1,2,3-cd)pyrene	0.35	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Isophorone	0.35	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Methylnaphthalene[2-]	0.35	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Methylphenol[2-]	0.35	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Methylphenol[4-]	0.35	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Naphthalene	0.35	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Nitroaniline[2-]	1.7	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Nitroaniline[3-]	1.7	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Nitroaniline[4-]	0.64	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Nitrobenzene	0.35	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Nitrophenol[2-]	0.35	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Nitrophenol[4-]	1.7	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Nitrosodimethylamine[N-]	0.35	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Nitroso-di-n-propylamine[N-]	0.35	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Nitrosodiphenylamine[N-]	0.35	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Oxybis(1-chloropropane)[2,2'-]	0.35	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Pentachlorophenol	1.7	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Phenanthrene	0.35	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Phenol	0.35	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Pyrene	0.35	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Trichlorobenzene[1,2,4-]	0.35	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Trichlorophenol[2,4,5-]	1.7	MG/KG	U
16-021(c)	16-2701	0316-97-0256	3.5	4.5	FT	ALLH	Trichlorophenol[2,4,6-]	0.35	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Acenaphthene	0.34	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Acenaphthylene	0.34	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Aniline	0.34	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Anthracene	0.34	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Azobenzene	0.34	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Benzo(a)anthracene	0.34	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Benzo(a)pyrene	0.34	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Benzo(b)fluoranthene	0.34	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Benzo(g,h,i)perylene	0.34	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Benzo(k)fluoranthene	0.34	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Benzoic Acid	1.7	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Benzyl Alcohol	0.69	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Bis(2-chloroethoxy)methane	0.34	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Bis(2-chloroethyl)ether	0.34	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Bis(2-ethylhexyl)phthalate	0.34	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Bromophenyl-phenylether[4-]	0.34	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Butylbenzylphthalate	0.34	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Chloro-3-methylphenol[4-]	0.69	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Chloroaniline[4-]	0.69	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Chloronaphthalene[2-]	0.34	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Chlorophenol[2-]	0.34	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Chlorophenyl-phenyl[4-] Ether	0.34	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Chrysene	0.34	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Dibenz(a,h)anthracene	0.34	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Dibenzofuran	0.34	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Dichlorobenzene[1,2-]	0.34	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Dichlorobenzene[1,3-]	0.34	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Dichlorobenzene[1,4-]	0.34	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Dichlorobenzidine[3,3'-]	0.69	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Dichlorophenol[2,4-]	0.34	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Diethylphthalate	0.34	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Dimethyl Phthalate	0.34	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Dimethylphenol[2,4-]	0.34	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Di-n-butylphthalate	0.34	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Dinitro-2-methylphenol[4,6-]	1.7	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Dinitrophenol[2,4-]	1.7	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Dinitrotoluene[2,4-]	0.34	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Dinitrotoluene[2,6-]	0.34	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Di-n-octylphthalate	0.34	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Fluoranthene	0.34	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Fluorene	0.34	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Hexachlorobenzene	0.34	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Hexachlorobutadiene	0.34	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Hexachlorocyclopentadiene	0.34	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Hexachloroethane	0.34	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Indeno(1,2,3-cd)pyrene	0.34	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Isophorone	0.34	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Methylnaphthalene[2-]	0.34	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Methylphenol[2-]	0.34	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Methylphenol[4-]	0.34	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Naphthalene	0.34	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Nitroaniline[2-]	1.7	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Nitroaniline[3-]	1.7	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Nitroaniline[4-]	0.69	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Nitrobenzene	0.34	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Nitrophenol[2-]	0.34	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Nitrophenol[4-]	1.7	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Nitrosodimethylamine[N-]	0.34	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Nitroso-di-n-propylamine[N-]	0.34	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Nitrosodiphenylamine[N-]	0.34	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Oxybis(1-chloropropane)[2,2'-]	0.34	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Pentachlorophenol	1.7	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Phenanthrene	0.34	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Phenol	0.34	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Pyrene	0.34	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Trichlorobenzene[1,2,4-]	0.34	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Trichlorophenol[2,4,5-]	1.7	MG/KG	U
16-021(c)	16-2701	0316-97-0257	74	75	FT	QBT4	Trichlorophenol[2,4,6-]	0.34	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Acenaphthene	0.35	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Acenaphthylene	0.35	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Aniline	0.35	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Anthracene	0.35	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Azobenzene	0.35	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Benzo(a)anthracene	0.35	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Benzo(a)pyrene	0.35	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Benzo(b)fluoranthene	0.35	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Benzo(g,h,i)perylene	0.35	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Benzo(k)fluoranthene	0.35	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Benzoic Acid	3.5	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Benzyl Alcohol	1.4	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Bis(2-chloroethoxy)methane	0.35	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Bis(2-chloroethyl)ether	0.35	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Bis(2-ethylhexyl)phthalate	0.44	MG/KG	none
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Bromophenyl-phenylether[4-]	0.35	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Butylbenzylphthalate	0.35	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Chloro-3-methylphenol[4-]	0.7	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Chloroaniline[4-]	1.4	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Chloronaphthalene[2-]	0.35	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Chlorophenol[2-]	0.35	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Chlorophenyl-phenyl[4-] Ether	0.35	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Chrysene	0.35	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Dibenz(a,h)anthracene	0.35	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Dibenzofuran	0.35	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Dichlorobenzene[1,2-]	0.35	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Dichlorobenzene[1,3-]	0.35	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Dichlorobenzene[1,4-]	0.35	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Dichlorobenzidine[3,3'-]	0.7	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Dichlorophenol[2,4-]	0.35	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Diethylphthalate	0.35	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Dimethyl Phthalate	0.35	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Dimethylphenol[2,4-]	0.35	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Di-n-butylphthalate	0.35	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Dinitro-2-methylphenol[4,6-]	1.7	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Dinitrophenol[2,4-]	1.7	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Dinitrotoluene[2,4-]	0.35	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Dinitrotoluene[2,6-]	0.35	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Di-n-octylphthalate	0.35	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Fluoranthene	0.35	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Fluorene	0.35	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Hexachlorobenzene	0.35	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Hexachlorobutadiene	0.35	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Hexachlorocyclopentadiene	0.35	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Hexachloroethane	0.35	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Indeno(1,2,3-cd)pyrene	0.35	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Isophorone	0.35	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Methylnaphthalene[2-]	0.35	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Methylphenol[2-]	0.35	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Methylphenol[4-]	0.35	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Naphthalene	0.35	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Nitroaniline[2-]	1.7	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Nitroaniline[3-]	1.7	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Nitroaniline[4-]	0.7	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Nitrobenzene	0.35	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Nitrophenol[2-]	0.35	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Nitrophenol[4-]	1.7	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Nitrosodimethylamine[N-]	0.35	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Nitroso-di-n-propylamine[N-]	0.35	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Nitrosodiphenylamine[N-]	0.35	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Oxybis(1-chloropropane)[2,2'-]	0.35	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Pentachlorophenol	1.7	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Phenanthrene	0.35	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Phenol	0.35	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Pyrene	0.35	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Trichlorobenzene[1,2,4-]	0.35	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Trichlorophenol[2,4,5-]	1.7	MG/KG	U
16-021(c)	16-2702	0316-97-0262	3	4	FT	ALLH	Trichlorophenol[2,4,6-]	0.35	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Acenaphthene	0.37	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Acenaphthylene	0.37	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Aniline	0.74	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Anthracene	0.37	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Azobenzene	0.74	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Benzo(a)anthracene	0.37	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Benzo(a)pyrene	0.37	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Benzo(b)fluoranthene	0.37	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Benzo(g,h,i)perylene	0.37	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Benzo(k)fluoranthene	0.37	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Benzoic Acid	3.7	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Benzyl Alcohol	1.5	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Bis(2-chloroethoxy)methane	0.37	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Bis(2-chloroethyl)ether	0.37	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Bis(2-ethylhexyl)phthalate	0.37	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Bromophenyl-phenylether[4-]	0.37	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Butylbenzylphthalate	0.37	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Chloro-3-methylphenol[4-]	0.74	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Chloroaniline[4-]	1.5	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Chloronaphthalene[2-]	0.37	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Chlorophenol[2-]	0.37	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Chlorophenyl-phenyl[4-] Ether	0.37	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Chrysene	0.37	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Dibenz(a,h)anthracene	0.37	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Dibenzofuran	0.37	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Dichlorobenzene[1,2-]	0.37	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Dichlorobenzene[1,3-]	0.37	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Dichlorobenzene[1,4-]	0.37	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Dichlorobenzidine[3,3'-]	0.74	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Dichlorophenol[2,4-]	0.37	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Diethylphthalate	0.43	MG/KG	none
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Dimethyl Phthalate	0.37	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Dimethylphenol[2,4-]	0.37	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Di-n-butylphthalate	0.37	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Dinitro-2-methylphenol[4,6-]	1.8	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Dinitrophenol[2,4-]	1.8	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Dinitrotoluene[2,4-]	0.37	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Dinitrotoluene[2,6-]	0.37	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Di-n-octylphthalate	0.37	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Fluoranthene	0.37	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Fluorene	0.37	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Hexachlorobenzene	0.37	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Hexachlorobutadiene	0.37	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Hexachlorocyclopentadiene	0.37	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Hexachloroethane	0.37	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Indeno(1,2,3-cd)pyrene	0.37	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Isophorone	0.37	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Methylnaphthalene[2-]	0.37	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Methylphenol[2-]	0.37	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Methylphenol[4-]	0.37	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Naphthalene	0.37	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Nitroaniline[2-]	1.8	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Nitroaniline[3-]	1.8	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Nitroaniline[4-]	0.74	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Nitrobenzene	0.37	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Nitrophenol[2-]	0.37	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Nitrophenol[4-]	1.8	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Nitrosodimethylamine[N-]	0.37	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Nitroso-di-n-propylamine[N-]	0.37	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Nitrosodiphenylamine[N-]	0.37	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Oxybis(1-chloropropane)[2,2'-]	0.37	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Pentachlorophenol	1.8	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Phenanthrene	0.37	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Phenol	0.37	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Pyrene	0.37	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Trichlorobenzene[1,2,4-]	0.37	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Trichlorophenol[2,4,5-]	1.8	MG/KG	U
16-021(c)	16-2702	0316-97-0263	69	70	FT	QBT4	Trichlorophenol[2,4,6-]	0.37	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Acenaphthene	0.39	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Acenaphthylene	0.39	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Aniline	0.78	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Anthracene	0.39	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Azobenzene	0.78	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Benzo(a)anthracene	0.39	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Benzo(a)pyrene	0.39	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Benzo(b)fluoranthene	0.39	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Benzo(g,h,i)perylene	0.39	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Benzo(k)fluoranthene	0.39	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Benzoic Acid	3.9	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Benzyl Alcohol	1.5	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Bis(2-chloroethoxy)methane	0.39	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Bis(2-chloroethyl)ether	0.39	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Bis(2-ethylhexyl)phthalate	0.39	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Bromophenyl-phenylether[4-]	0.39	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Butylbenzylphthalate	0.39	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Chloro-3-methylphenol[4-]	0.78	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Chloroaniline[4-]	1.5	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Chloronaphthalene[2-]	0.39	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Chlorophenol[2-]	0.39	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Chlorophenyl-phenyl[4-] Ether	0.39	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Chrysene	0.39	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Dibenz(a,h)anthracene	0.39	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Dibenzofuran	0.39	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Dichlorobenzene[1,2-]	0.39	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Dichlorobenzene[1,3-]	0.39	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Dichlorobenzene[1,4-]	0.39	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Dichlorobenzidine[3,3'-]	0.78	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Dichlorophenol[2,4-]	0.39	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Diethylphthalate	0.39	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Dimethyl Phthalate	0.39	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Dimethylphenol[2,4-]	0.39	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Di-n-butylphthalate	0.39	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Dinitro-2-methylphenol[4,6-]	1.9	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Dinitrophenol[2,4-]	1.9	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Dinitrotoluene[2,4-]	0.39	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Dinitrotoluene[2,6-]	0.39	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Di-n-octylphthalate	0.39	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Fluoranthene	0.39	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Fluorene	0.39	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Hexachlorobenzene	0.39	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Hexachlorobutadiene	0.39	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Hexachlorocyclopentadiene	0.39	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Hexachloroethane	0.39	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Indeno(1,2,3-cd)pyrene	0.39	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Isophorone	0.39	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Methylnaphthalene[2-]	0.39	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Methylphenol[2-]	0.39	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Methylphenol[4-]	0.39	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Naphthalene	0.39	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Nitroaniline[2-]	1.9	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Nitroaniline[3-]	1.9	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Nitroaniline[4-]	0.78	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Nitrobenzene	0.39	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Nitrophenol[2-]	0.39	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Nitrophenol[4-]	1.9	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Nitrosodimethylamine[N-]	0.39	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Nitroso-di-n-propylamine[N-]	0.39	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Nitrosodiphenylamine[N-]	0.39	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Oxybis(1-chloropropane)[2,2'-]	0.39	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Pentachlorophenol	1.9	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Phenanthrene	0.39	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Phenol	0.39	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Pyrene	0.39	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Trichlorobenzene[1,2,4-]	0.39	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Trichlorophenol[2,4,5-]	1.9	MG/KG	U
16-021(c)	16-2702	0316-97-0264	29	30	FT	QBT4	Trichlorophenol[2,4,6-]	0.39	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Acenaphthene	0.35	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Acenaphthylene	0.35	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Aniline	0.35	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Anthracene	0.35	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Azobenzene	0.35	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Benzo(a)anthracene	0.35	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Benzo(a)pyrene	0.35	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Benzo(b)fluoranthene	0.35	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Benzo(g,h,i)perylene	0.35	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Benzo(k)fluoranthene	0.35	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Benzoic Acid	3.5	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Benzyl Alcohol	1.4	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Bis(2-chloroethoxy)methane	0.35	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Bis(2-chloroethyl)ether	0.35	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Bis(2-ethylhexyl)phthalate	0.57	MG/KG	none
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Bromophenyl-phenylether[4-]	0.35	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Butylbenzylphthalate	0.35	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Carbazole	0.35	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Chloro-3-methylphenol[4-]	0.7	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Chloroaniline[4-]	1.4	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Chloronaphthalene[2-]	0.35	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Chlorophenol[2-]	0.35	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Chlorophenyl-phenyl[4-] Ether	0.35	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Chrysene	0.35	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Dibenz(a,h)anthracene	0.35	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Dibenzofuran	0.35	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Dichlorobenzene[1,2-]	0.35	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Dichlorobenzene[1,3-]	0.35	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Dichlorobenzene[1,4-]	0.35	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Dichlorobenzidine[3,3'-]	0.7	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Dichlorophenol[2,4-]	0.35	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Diethylphthalate	0.35	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Dimethyl Phthalate	0.35	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Dimethylphenol[2,4-]	0.35	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Di-n-butylphthalate	0.35	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Dinitro-2-methylphenol[4,6-]	1.7	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Dinitrophenol[2,4-]	1.7	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Dinitrotoluene[2,4-]	0.35	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Dinitrotoluene[2,6-]	0.35	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Di-n-octylphthalate	0.35	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Fluoranthene	0.35	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Fluorene	0.35	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Hexachlorobenzene	0.35	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Hexachlorobutadiene	0.35	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Hexachlorocyclopentadiene	0.35	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Hexachloroethane	0.35	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Indeno(1,2,3-cd)pyrene	0.35	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Isophorone	0.35	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Methylnaphthalene[2-]	0.35	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Methylphenol[2-]	0.35	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Methylphenol[4-]	0.35	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Naphthalene	0.35	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Nitroaniline[2-]	1.7	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Nitroaniline[3-]	1.7	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Nitroaniline[4-]	0.64	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Nitrobenzene	0.35	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Nitrophenol[2-]	0.35	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Nitrophenol[4-]	1.7	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Nitrosodimethylamine[N-]	0.35	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Nitroso-di-n-propylamine[N-]	0.35	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Nitrosodiphenylamine[N-]	0.35	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Oxybis(1-chloropropane)[2,2'-]	0.35	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Pentachlorophenol	1.7	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Phenanthrene	0.35	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Phenol	0.35	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Pyrene	0.35	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Trichlorobenzene[1,2,4-]	0.35	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Trichlorophenol[2,4,5-]	1.7	MG/KG	U
16-021(c)	16-2703	0316-97-0268	3.5	4.5	FT	ALLH	Trichlorophenol[2,4,6-]	0.35	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Acenaphthene	0.34	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Acenaphthylene	0.34	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Aniline	0.34	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Anthracene	0.34	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Azobenzene	0.34	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Benzo(a)anthracene	0.34	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Benzo(a)pyrene	0.34	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Benzo(b)fluoranthene	0.34	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Benzo(g,h,i)perylene	0.34	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Benzo(k)fluoranthene	0.34	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Benzoic Acid	3.4	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Benzyl Alcohol	1.3	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Bis(2-chloroethoxy)methane	0.34	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Bis(2-chloroethyl)ether	0.34	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Bis(2-ethylhexyl)phthalate	0.14	MG/KG	none

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Bromophenyl-phenylether[4-]	0.34	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Butylbenzylphthalate	0.34	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Carbazole	0.34	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Chloro-3-methylphenol[4-]	0.68	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Chloroaniline[4-]	1.3	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Chloronaphthalene[2-]	0.34	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Chlorophenol[2-]	0.34	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Chlorophenyl-phenyl[4-] Ether	0.34	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Chrysene	0.34	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Dibenz(a,h)anthracene	0.34	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Dibenzofuran	0.34	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Dichlorobenzene[1,2-]	0.34	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Dichlorobenzene[1,3-]	0.34	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Dichlorobenzene[1,4-]	0.34	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Dichlorobenzidine[3,3'-]	0.68	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Dichlorophenol[2,4-]	0.34	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Diethylphthalate	0.34	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Dimethyl Phthalate	0.34	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Dimethylphenol[2,4-]	0.34	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Di-n-butylphthalate	0.34	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Dinitro-2-methylphenol[4,6-]	1.6	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Dinitrophenol[2,4-]	1.6	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Dinitrotoluene[2,4-]	0.34	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Dinitrotoluene[2,6-]	0.34	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Di-n-octylphthalate	0.34	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Fluoranthene	0.34	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Fluorene	0.34	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Hexachlorobenzene	0.34	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Hexachlorobutadiene	0.34	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Hexachlorocyclopentadiene	0.34	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Hexachloroethane	0.34	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Indeno(1,2,3-cd)pyrene	0.34	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Isophorone	0.34	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Methylnaphthalene[2-]	0.34	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Methylphenol[2-]	0.34	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Methylphenol[4-]	0.34	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Naphthalene	0.34	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Nitroaniline[2-]	1.6	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Nitroaniline[3-]	1.6	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Nitroaniline[4-]	0.62	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Nitrobenzene	0.34	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Nitrophenol[2-]	0.34	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Nitrophenol[4-]	1.6	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Nitrosodimethylamine[N-]	0.34	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Nitroso-di-n-propylamine[N-]	0.34	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Nitrosodiphenylamine[N-]	0.34	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Oxybis(1-chloropropane)[2,2'-]	0.34	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Pentachlorophenol	1.6	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Phenanthrene	0.34	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Phenol	0.34	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Pyrene	0.34	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Trichlorobenzene[1,2,4-]	0.34	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Trichlorophenol[2,4,5-]	1.6	MG/KG	U
16-021(c)	16-2703	0316-97-0269	69	70	FT	QBT4	Trichlorophenol[2,4,6-]	0.34	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Acenaphthene	0.33	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Acenaphthylene	0.33	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Aniline	0.33	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Anthracene	0.33	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Azobenzene	0.33	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Benzo(a)anthracene	0.33	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Benzo(a)pyrene	0.33	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Benzo(b)fluoranthene	0.33	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Benzo(g,h,i)perylene	0.33	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Benzo(k)fluoranthene	0.33	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Benzoic Acid	3.3	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Benzyl Alcohol	1.3	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Bis(2-chloroethoxy)methane	0.33	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Bis(2-chloroethyl)ether	0.33	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Bis(2-ethylhexyl)phthalate	0.33	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Bromophenyl-phenylether[4-]	0.33	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Butylbenzylphthalate	0.33	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Carbazole	0.33	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Chloro-3-methylphenol[4-]	0.66	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Chloroaniline[4-]	1.3	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Chloronaphthalene[2-]	0.33	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Chlorophenol[2-]	0.33	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Chlorophenyl-phenyl[4-] Ether	0.33	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Chrysene	0.33	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Dibenz(a,h)anthracene	0.33	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Dibenzofuran	0.33	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Dichlorobenzene[1,2-]	0.33	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Dichlorobenzene[1,3-]	0.33	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Dichlorobenzene[1,4-]	0.33	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Dichlorobenzidine[3,3'-]	0.66	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Dichlorophenol[2,4-]	0.33	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Diethylphthalate	0.33	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Dimethyl Phthalate	0.33	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Dimethylphenol[2,4-]	0.33	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Di-n-butylphthalate	0.33	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Dinitro-2-methylphenol[4,6-]	1.6	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Dinitrophenol[2,4-]	1.6	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Dinitrotoluene[2,4-]	0.33	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Dinitrotoluene[2,6-]	0.33	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Di-n-octylphthalate	0.33	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Fluoranthene	0.33	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Fluorene	0.33	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Hexachlorobenzene	0.33	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Hexachlorobutadiene	0.33	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Hexachlorocyclopentadiene	0.33	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Hexachloroethane	0.33	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Indeno(1,2,3-cd)pyrene	0.33	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Isophorone	0.33	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Methylnaphthalene[2-]	0.33	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Methylphenol[2-]	0.33	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Methylphenol[4-]	0.33	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Naphthalene	0.33	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Nitroaniline[2-]	1.6	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Nitroaniline[3-]	1.6	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Nitroaniline[4-]	0.6	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Nitrobenzene	0.33	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Nitrophenol[2-]	0.33	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Nitrophenol[4-]	1.6	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Nitrosodimethylamine[N-]	0.33	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Nitroso-di-n-propylamine[N-]	0.33	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Nitrosodiphenylamine[N-]	0.33	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Oxybis(1-chloropropane)[2,2'-]	0.33	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Pentachlorophenol	1.6	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Phenanthrene	0.33	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Phenol	0.33	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Pyrene	0.33	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Trichlorobenzene[1,2,4-]	0.33	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Trichlorophenol[2,4,5-]	1.6	MG/KG	U
16-021(c)	16-2703	0316-97-0270	53	54	FT	QBT4	Trichlorophenol[2,4,6-]	0.33	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Acenaphthene	0.4	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Acenaphthylene	0.4	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Aniline	0.4	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Anthracene	0.4	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Azobenzene	0.4	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Benzo(a)anthracene	0.4	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Benzo(a)pyrene	0.4	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Benzo(b)fluoranthene	0.4	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Benzo(g,h,i)perylene	0.4	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Benzo(k)fluoranthene	0.4	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Benzoic Acid	2	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Benzyl Alcohol	0.79	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Bis(2-chloroethoxy)methane	0.4	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Bis(2-chloroethyl)ether	0.4	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Bis(2-ethylhexyl)phthalate	0.073	MG/KG	J
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Bromophenyl-phenylether[4-]	0.4	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Butylbenzylphthalate	0.4	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Chloro-3-methylphenol[4-]	0.79	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Chloroaniline[4-]	0.79	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Chloronaphthalene[2-]	0.4	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Chlorophenol[2-]	0.4	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Chlorophenyl-phenyl[4-] Ether	0.4	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Chrysene	0.4	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Dibenz(a,h)anthracene	0.4	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Dibenzofuran	0.4	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Dichlorobenzene[1,2-]	0.4	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Dichlorobenzene[1,3-]	0.4	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Dichlorobenzene[1,4-]	0.4	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Dichlorobenzidine[3,3'-]	0.79	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Dichlorophenol[2,4-]	0.4	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Diethylphthalate	1.5	MG/KG	none
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Dimethyl Phthalate	0.4	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Dimethylphenol[2,4-]	0.4	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Di-n-butylphthalate	0.4	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Dinitro-2-methylphenol[4,6-]	2	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Dinitrophenol[2,4-]	2	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Dinitrotoluene[2,4-]	0.4	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Dinitrotoluene[2,6-]	0.4	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Di-n-octylphthalate	0.4	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Fluoranthene	0.4	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Fluorene	0.4	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Hexachlorobenzene	0.4	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Hexachlorobutadiene	0.4	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Hexachlorocyclopentadiene	0.4	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Hexachloroethane	0.4	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Indeno(1,2,3-cd)pyrene	0.4	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Isophorone	0.4	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Methylnaphthalene[2-]	0.4	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Methylphenol[2-]	0.4	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Methylphenol[4-]	0.4	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Naphthalene	0.4	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Nitroaniline[2-]	2	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Nitroaniline[3-]	2	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Nitroaniline[4-]	0.79	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Nitrobenzene	0.4	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Nitrophenol[2-]	0.4	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Nitrophenol[4-]	2	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Nitrosodimethylamine[N-]	0.4	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Nitroso-di-n-propylamine[N-]	0.4	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Nitrosodiphenylamine[N-]	0.4	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Oxybis(1-chloropropane)[2,2'-]	0.4	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Pentachlorophenol	2	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Phenanthrene	0.4	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Phenol	0.4	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Pyrene	0.4	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Trichlorobenzene[1,2,4-]	0.4	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Trichlorophenol[2,4,5-]	2	MG/KG	U
16-021(c)	16-2704	0316-97-0274	4	5	FT	ALLH	Trichlorophenol[2,4,6-]	0.4	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Acenaphthene	0.36	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Acenaphthylene	0.36	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Aniline	0.36	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Anthracene	0.36	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Azobenzene	0.36	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Benzo(a)anthracene	0.36	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Benzo(a)pyrene	0.36	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Benzo(b)fluoranthene	0.36	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Benzo(g,h,i)perylene	0.36	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Benzo(k)fluoranthene	0.36	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Benzoic Acid	1.8	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Benzyl Alcohol	0.72	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Bis(2-chloroethoxy)methane	0.36	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Bis(2-chloroethyl)ether	0.36	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Bis(2-ethylhexyl)phthalate	0.36	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Bromophenyl-phenylether[4-]	0.36	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Butylbenzylphthalate	0.36	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Chloro-3-methylphenol[4-]	0.72	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Chloroaniline[4-]	0.72	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Chloronaphthalene[2-]	0.36	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Chlorophenol[2-]	0.36	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Chlorophenyl-phenyl[4-] Ether	0.36	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Chrysene	0.36	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Dibenz(a,h)anthracene	0.36	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Dibenzofuran	0.36	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Dichlorobenzene[1,2-]	0.36	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Dichlorobenzene[1,3-]	0.36	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Dichlorobenzene[1,4-]	0.36	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Dichlorobenzidine[3,3'-]	0.72	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Dichlorophenol[2,4-]	0.36	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Diethylphthalate	0.36	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Dimethyl Phthalate	0.36	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Dimethylphenol[2,4-]	0.36	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Di-n-butylphthalate	0.36	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Dinitro-2-methylphenol[4,6-]	1.8	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Dinitrophenol[2,4-]	1.8	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Dinitrotoluene[2,4-]	0.36	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Dinitrotoluene[2,6-]	0.36	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Di-n-octylphthalate	0.36	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Fluoranthene	0.36	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Fluorene	0.36	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Hexachlorobenzene	0.36	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Hexachlorobutadiene	0.36	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Hexachlorocyclopentadiene	0.36	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Hexachloroethane	0.36	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Indeno(1,2,3-cd)pyrene	0.36	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Isophorone	0.36	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Methylnaphthalene[2-]	0.36	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Methylphenol[2-]	0.36	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Methylphenol[4-]	0.36	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Naphthalene	0.36	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Nitroaniline[2-]	1.8	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Nitroaniline[3-]	1.8	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Nitroaniline[4-]	0.72	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Nitrobenzene	0.36	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Nitrophenol[2-]	0.36	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Nitrophenol[4-]	1.8	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Nitrosodimethylamine[N-]	0.36	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Nitroso-di-n-propylamine[N-]	0.36	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Nitrosodiphenylamine[N-]	0.36	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Oxybis(1-chloropropane)[2,2'-]	0.36	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Pentachlorophenol	1.8	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Phenanthrene	0.36	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Phenol	0.36	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Pyrene	0.36	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Trichlorobenzene[1,2,4-]	0.36	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Trichlorophenol[2,4,5-]	1.8	MG/KG	U
16-021(c)	16-2704	0316-97-0275	69	70	FT	QBT4	Trichlorophenol[2,4,6-]	0.36	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Acenaphthene	0.33	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Acenaphthylene	0.33	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Aniline	0.33	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Anthracene	0.33	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Azobenzene	0.33	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Benzo(a)anthracene	0.33	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Benzo(a)pyrene	0.33	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Benzo(b)fluoranthene	0.33	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Benzo(g,h,i)perylene	0.33	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Benzo(k)fluoranthene	0.33	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Benzoic Acid	3.3	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Benzyl Alcohol	1.3	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Bis(2-chloroethoxy)methane	0.33	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Bis(2-chloroethyl)ether	0.33	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Bis(2-ethylhexyl)phthalate	0.42	MG/KG	none
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Bromophenyl-phenylether[4-]	0.33	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Butylbenzylphthalate	0.33	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Chloro-3-methylphenol[4-]	0.67	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Chloroaniline[4-]	1.3	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Chloronaphthalene[2-]	0.33	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Chlorophenol[2-]	0.33	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Chlorophenyl-phenyl[4-] Ether	0.33	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Chrysene	0.33	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Dibenz(a,h)anthracene	0.33	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Dibenzofuran	0.33	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Dichlorobenzene[1,2-]	0.33	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Dichlorobenzene[1,3-]	0.33	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Dichlorobenzene[1,4-]	0.33	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Dichlorobenzidine[3,3'-]	0.67	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Dichlorophenol[2,4-]	0.33	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Diethylphthalate	0.33	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Dimethyl Phthalate	0.33	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Dimethylphenol[2,4-]	0.33	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Di-n-butylphthalate	0.33	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Dinitro-2-methylphenol[4,6-]	1.6	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Dinitrophenol[2,4-]	1.6	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Dinitrotoluene[2,4-]	0.33	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Dinitrotoluene[2,6-]	0.33	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Di-n-octylphthalate	0.33	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Fluoranthene	0.33	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Fluorene	0.33	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Hexachlorobenzene	0.33	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Hexachlorobutadiene	0.33	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Hexachlorocyclopentadiene	0.33	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Hexachloroethane	0.33	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Indeno(1,2,3-cd)pyrene	0.33	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Isophorone	0.33	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Methylnaphthalene[2-]	0.33	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Methylphenol[2-]	0.33	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Methylphenol[4-]	0.33	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Naphthalene	0.33	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Nitroaniline[2-]	1.6	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Nitroaniline[3-]	1.6	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Nitroaniline[4-]	0.67	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Nitrobenzene	0.33	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Nitrophenol[2-]	0.33	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Nitrophenol[4-]	1.6	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Nitrosodimethylamine[N-]	0.33	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Nitroso-di-n-propylamine[N-]	0.33	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Nitrosodiphenylamine[N-]	0.33	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Oxybis(1-chloropropane)[2,2'-]	0.33	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Pentachlorophenol	1.6	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Phenanthrene	0.33	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Phenol	0.33	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Pyrene	0.33	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Trichlorobenzene[1,2,4-]	0.33	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Trichlorophenol[2,4,5-]	1.6	MG/KG	U
16-021(c)	16-2704	0316-97-0276	23	24	FT	QBT4	Trichlorophenol[2,4,6-]	0.33	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Acenaphthene	0.38	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Acenaphthylene	0.38	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Aniline	0.38	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Anthracene	0.38	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Azobenzene	0.38	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Benzo(a)anthracene	0.38	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Benzo(a)pyrene	0.38	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Benzo(b)fluoranthene	0.38	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Benzo(g,h,i)perylene	0.38	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Benzo(k)fluoranthene	0.38	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Benzoic Acid	3.8	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Benzyl Alcohol	1.5	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Bis(2-chloroethoxy)methane	0.38	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Bis(2-chloroethyl)ether	0.38	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Bis(2-ethylhexyl)phthalate	0.48	MG/KG	none
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Bromophenyl-phenylether[4-]	0.38	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Butylbenzylphthalate	0.38	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Chloro-3-methylphenol[4-]	0.76	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Chloroaniline[4-]	1.5	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Chloronaphthalene[2-]	0.38	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Chlorophenol[2-]	0.38	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Chlorophenyl-phenyl[4-] Ether	0.38	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Chrysene	0.38	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Dibenz(a,h)anthracene	0.38	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Dibenzofuran	0.38	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Dichlorobenzene[1,2-]	0.38	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Dichlorobenzene[1,3-]	0.38	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Dichlorobenzene[1,4-]	0.38	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Dichlorobenzidine[3,3'-]	0.76	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Dichlorophenol[2,4-]	0.38	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Diethylphthalate	0.38	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Dimethyl Phthalate	0.38	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Dimethylphenol[2,4-]	0.38	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Di-n-butylphthalate	0.38	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Dinitro-2-methylphenol[4,6-]	1.9	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Dinitrophenol[2,4-]	1.9	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Dinitrotoluene[2,4-]	0.38	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Dinitrotoluene[2,6-]	0.38	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Di-n-octylphthalate	0.38	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Fluoranthene	0.38	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Fluorene	0.38	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Hexachlorobenzene	0.38	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Hexachlorobutadiene	0.38	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Hexachlorocyclopentadiene	0.38	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Hexachloroethane	0.38	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Indeno(1,2,3-cd)pyrene	0.38	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Isophorone	0.38	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Methylnaphthalene[2-]	0.38	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Methylphenol[2-]	0.38	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Methylphenol[4-]	0.38	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Naphthalene	0.38	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Nitroaniline[2-]	1.9	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Nitroaniline[3-]	1.9	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Nitroaniline[4-]	0.76	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Nitrobenzene	0.38	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Nitrophenol[2-]	0.38	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Nitrophenol[4-]	1.9	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Nitrosodimethylamine[N-]	0.38	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Nitroso-di-n-propylamine[N-]	0.38	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Nitrosodiphenylamine[N-]	0.38	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Oxybis(1-chloropropane)[2,2'-]	0.38	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Pentachlorophenol	1.9	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Phenanthrene	0.38	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Phenol	0.38	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Pyrene	0.38	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Trichlorobenzene[1,2,4-]	0.38	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Trichlorophenol[2,4,5-]	1.9	MG/KG	U
16-021(c)	16-2704	0316-97-0277	28	29	FT	QBT4	Trichlorophenol[2,4,6-]	0.38	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Acenaphthene	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Acenaphthylene	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Aniline	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Anthracene	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Azobenzene	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Benzo(a)anthracene	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Benzo(a)pyrene	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Benzo(b)fluoranthene	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Benzo(g,h,i)perylene	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Benzo(k)fluoranthene	0.37	MG/KG	none
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Benzoic Acid	3.7	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Benzyl Alcohol	1.4	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Bis(2-chloroethoxy)methane	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Bis(2-chloroethyl)ether	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Bis(2-ethylhexyl)phthalate	0.27	MG/KG	J
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Bromophenyl-phenylether[4-]	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Butylbenzylphthalate	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Carbazole	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Chloro-3-methylphenol[4-]	0.74	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Chloroaniline[4-]	1.4	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Chloronaphthalene[2-]	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Chlorophenol[2-]	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Chlorophenyl-phenyl[4-] Ether	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Chrysene	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Dibenz(a,h)anthracene	0.37	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Dibenzofuran	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Dichlorobenzene[1,2-]	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Dichlorobenzene[1,3-]	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Dichlorobenzene[1,4-]	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Dichlorobenzidine[3,3'-]	0.74	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Dichlorophenol[2,4-]	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Diethylphthalate	0.38	MG/KG	none
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Dimethyl Phthalate	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Dimethylphenol[2,4-]	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Di-n-butylphthalate	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Dinitro-2-methylphenol[4,6-]	1.8	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Dinitrophenol[2,4-]	1.8	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Dinitrotoluene[2,4-]	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Dinitrotoluene[2,6-]	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Di-n-octylphthalate	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Fluoranthene	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Fluorene	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Hexachlorobenzene	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Hexachlorobutadiene	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Hexachlorocyclopentadiene	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Hexachloroethane	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Indeno(1,2,3-cd)pyrene	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Isophorone	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Methylnaphthalene[2-]	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Methylphenol[2-]	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Methylphenol[4-]	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Naphthalene	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Nitroaniline[2-]	1.8	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Nitroaniline[3-]	1.8	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Nitroaniline[4-]	0.67	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Nitrobenzene	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Nitrophenol[2-]	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Nitrophenol[4-]	1.8	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Nitrosodimethylamine[N-]	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Nitroso-di-n-propylamine[N-]	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Nitrosodiphenylamine[N-]	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Oxybis(1-chloropropane)[2,2'-]	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Pentachlorophenol	1.8	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Phenanthrene	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Phenol	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Pyrene	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Trichlorobenzene[1,2,4-]	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Trichlorophenol[2,4,5-]	1.8	MG/KG	U
16-021(c)	16-2735	0316-97-0280	4	5	FT	QBT5	Trichlorophenol[2,4,6-]	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Acenaphthene	0.39	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Acenaphthylene	0.39	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Aniline	0.39	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Anthracene	0.39	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Azobenzene	0.39	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Benzo(a)anthracene	0.39	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Benzo(a)pyrene	0.39	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Benzo(b)fluoranthene	0.39	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Benzo(g,h,i)perylene	0.39	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Benzo(k)fluoranthene	0.39	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Benzoic Acid	3.9	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Benzyl Alcohol	1.5	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Bis(2-chloroethoxy)methane	0.39	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Bis(2-chloroethyl)ether	0.39	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Bis(2-ethylhexyl)phthalate	0.51	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Bromophenyl-phenylether[4-]	0.39	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Butylbenzylphthalate	0.39	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Carbazole	0.39	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Chloro-3-methylphenol[4-]	0.78	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Chloroaniline[4-]	1.5	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Chloronaphthalene[2-]	0.39	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Chlorophenol[2-]	0.39	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Chlorophenyl-phenyl[4-] Ether	0.39	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Chrysene	0.39	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Dibenz(a,h)anthracene	0.39	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Dibenzofuran	0.39	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Dichlorobenzene[1,2-]	0.39	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Dichlorobenzene[1,3-]	0.39	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Dichlorobenzene[1,4-]	0.39	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Dichlorobenzidine[3,3'-]	0.78	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Dichlorophenol[2,4-]	0.39	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Diethylphthalate	0.075	MG/KG	J
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Dimethyl Phthalate	0.39	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Dimethylphenol[2,4-]	0.39	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Di-n-butylphthalate	0.39	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Dinitro-2-methylphenol[4,6-]	1.9	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Dinitrophenol[2,4-]	1.9	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Dinitrotoluene[2,4-]	0.067	MG/KG	J
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Dinitrotoluene[2,6-]	0.39	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Di-n-octylphthalate	0.39	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Fluoranthene	0.39	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Fluorene	0.39	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Hexachlorobenzene	0.39	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Hexachlorobutadiene	0.39	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Hexachlorocyclopentadiene	0.39	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Hexachloroethane	0.39	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Indeno(1,2,3-cd)pyrene	0.39	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Isophorone	0.39	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Methylnaphthalene[2-]	0.39	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Methylphenol[2-]	0.39	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Methylphenol[4-]	0.39	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Naphthalene	0.39	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Nitroaniline[2-]	1.9	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Nitroaniline[3-]	1.9	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Nitroaniline[4-]	0.71	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Nitrobenzene	0.39	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Nitrophenol[2-]	0.39	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Nitrophenol[4-]	1.9	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Nitrosodimethylamine[N-]	0.39	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Nitroso-di-n-propylamine[N-]	0.39	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Nitrosodiphenylamine[N-]	0.39	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Oxybis(1-chloropropane)[2,2'-]	0.39	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Pentachlorophenol	1.9	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Phenanthrene	0.39	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Phenol	0.39	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Pyrene	0.39	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Trichlorobenzene[1,2,4-]	0.39	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Trichlorophenol[2,4,5-]	1.9	MG/KG	U
16-021(c)	16-2735	0316-97-0282	24.7	25.3	FT	QBT4	Trichlorophenol[2,4,6-]	0.39	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Acenaphthene	0.42	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Acenaphthylene	0.42	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Aniline	0.42	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Anthracene	0.42	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Azobenzene	0.42	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Benzo(a)anthracene	0.42	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Benzo(a)pyrene	0.42	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Benzo(b)fluoranthene	0.42	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Benzo(g,h,i)perylene	0.42	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Benzo(k)fluoranthene	0.42	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Benzoic Acid	4.2	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Benzyl Alcohol	1.6	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Bis(2-chloroethoxy)methane	0.42	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Bis(2-chloroethyl)ether	0.42	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Bis(2-ethylhexyl)phthalate	0.76	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Bromophenyl-phenylether[4-]	0.42	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Butylbenzylphthalate	0.42	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Carbazole	0.42	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Chloro-3-methylphenol[4-]	0.83	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Chloroaniline[4-]	1.6	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Chloronaphthalene[2-]	0.42	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Chlorophenol[2-]	0.42	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Chlorophenyl-phenyl[4-] Ether	0.42	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Chrysene	0.42	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Dibenz(a,h)anthracene	0.42	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Dibenzofuran	0.42	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Dichlorobenzene[1,2-]	0.42	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Dichlorobenzene[1,3-]	0.42	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Dichlorobenzene[1,4-]	0.42	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Dichlorobenzidine[3,3'-]	0.83	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Dichlorophenol[2,4-]	0.42	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Diethylphthalate	0.072	MG/KG	J
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Dimethyl Phthalate	0.42	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Dimethylphenol[2,4-]	0.42	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Di-n-butylphthalate	0.42	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Dinitro-2-methylphenol[4,6-]	2	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Dinitrophenol[2,4-]	2	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Dinitrotoluene[2,4-]	0.058	MG/KG	J
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Dinitrotoluene[2,6-]	0.42	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Di-n-octylphthalate	0.42	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Fluoranthene	0.42	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Fluorene	0.42	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Hexachlorobenzene	0.42	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Hexachlorobutadiene	0.42	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Hexachlorocyclopentadiene	0.42	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Hexachloroethane	0.42	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Indeno(1,2,3-cd)pyrene	0.42	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Isophorone	0.42	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Methylnaphthalene[2-]	0.42	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Methylphenol[2-]	0.42	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Methylphenol[4-]	0.42	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Naphthalene	0.42	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Nitroaniline[2-]	2	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Nitroaniline[3-]	2	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Nitroaniline[4-]	0.76	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Nitrobenzene	0.42	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Nitrophenol[2-]	0.42	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Nitrophenol[4-]	2	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Nitrosodimethylamine[N-]	0.42	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Nitroso-di-n-propylamine[N-]	0.42	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Nitrosodiphenylamine[N-]	0.42	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Oxybis(1-chloropropane)[2,2'-]	0.42	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Pentachlorophenol	2	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Phenanthrene	0.42	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Phenol	0.42	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Pyrene	0.42	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Trichlorobenzene[1,2,4-]	0.42	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Trichlorophenol[2,4,5-]	2	MG/KG	U
16-021(c)	16-2735	0316-97-0283	34	35	FT	QBT4	Trichlorophenol[2,4,6-]	0.42	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Acenaphthene	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Acenaphthylene	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Aniline	0.74	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Anthracene	0.371	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Azobenzene	0.74	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Benzidine	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Benzo(a)anthracene	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Benzo(a)pyrene	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Benzo(b)fluoranthene	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Benzo(g,h,i)perylene	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Benzoic Acid	1.8	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Benzyl Alcohol	0.74	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Bis(2-chloroethoxy)methane	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Bis(2-chloroethyl)ether	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Bis(2-ethylhexyl)phthalate	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Bromophenyl-phenylether[4-]	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Butylbenzylphthalate	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Carbazole	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Chloro-3-methylphenol[4-]	0.74	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Chloroaniline[4-]	0.74	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Chloronaphthalene[2-]	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Chlorophenol[2-]	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Chlorophenyl-phenyl[4-] Ether	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Chrysene	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Dibenz(a,h)anthracene	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Dibenzofuran	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Dichlorobenzene[1,2-]	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Dichlorobenzene[1,3-]	0.37	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Dichlorobenzene[1,4-]	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Dichlorobenzidine[3,3'-]	0.74	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Dichlorophenol[2,4-]	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Diethylphthalate	0.37	MG/KG	J
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Dimethyl Phthalate	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Dimethylphenol[2,4-]	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Di-n-butylphthalate	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Dinitro-2-methylphenol[4,6-]	1.8	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Dinitrophenol[2,4-]	1.8	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Dinitrotoluene[2,4-]	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Dinitrotoluene[2,6-]	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Di-n-octylphthalate	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Fluoranthene	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Fluorene	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Hexachlorobenzene	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Hexachlorobutadiene	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Hexachlorocyclopentadiene	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Hexachloroethane	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Indeno(1,2,3-cd)pyrene	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Isophorone	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Methylnaphthalene[2-]	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Methylphenol[2-]	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Methylphenol[4-]	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Naphthalene	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Nitroaniline[2-]	1.8	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Nitroaniline[3-]	1.8	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Nitroaniline[4-]	0.74	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Nitrobenzene	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Nitrophenol[2-]	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Nitrophenol[4-]	1.8	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Nitrosodimethylamine[N-]	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Nitroso-di-n-propylamine[N-]	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Nitrosodiphenylamine[N-]	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Oxybis(1-chloropropane)[2,2'-]	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Pentachlorophenol	1.8	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Phenanthrene	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Phenol	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Pyrene	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Pyridine	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Trichlorobenzene[1,2,4-]	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Trichlorophenol[2,4,5-]	1.8	MG/KG	U
16-021(c)	16-2706	0316-97-0286	4	5	FT	QBT5	Trichlorophenol[2,4,6-]	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Acenaphthene	0.33	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Acenaphthylene	0.33	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Aniline	0.67	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Anthracene	0.33	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Azobenzene	0.67	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Benzo(a)anthracene	0.33	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Benzo(a)pyrene	0.33	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Benzo(b)fluoranthene	0.33	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Benzo(g,h,i)perylene	0.33	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Benzo(k)fluoranthene	0.33	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Benzoic Acid	3.3	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Benzyl Alcohol	1.3	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Bis(2-chloroethoxy)methane	0.33	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Bis(2-chloroethyl)ether	0.33	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Bis(2-ethylhexyl)phthalate	0.33	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Bromophenyl-phenylether[4-]	0.33	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Butylbenzylphthalate	0.33	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Chloro-3-methylphenol[4-]	0.67	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Chloroaniline[4-]	1.3	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Chloronaphthalene[2-]	0.33	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Chlorophenol[2-]	0.33	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Chlorophenyl-phenyl[4-] Ether	0.33	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Chrysene	0.33	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Dibenz(a,h)anthracene	0.33	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Dibenzofuran	0.33	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Dichlorobenzene[1,2-]	0.33	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Dichlorobenzene[1,3-]	0.33	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Dichlorobenzene[1,4-]	0.33	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Dichlorobenzidine[3,3'-]	0.67	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Dichlorophenol[2,4-]	0.33	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Diethylphthalate	0.33	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Dimethyl Phthalate	0.33	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Dimethylphenol[2,4-]	0.33	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Di-n-butylphthalate	0.33	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Dinitro-2-methylphenol[4,6-]	1.6	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Dinitrophenol[2,4-]	1.6	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Dinitrotoluene[2,4-]	0.33	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Dinitrotoluene[2,6-]	0.33	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Di-n-octylphthalate	0.33	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Fluoranthene	0.33	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Fluorene	0.33	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Hexachlorobenzene	0.33	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Hexachlorobutadiene	0.33	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Hexachlorocyclopentadiene	0.33	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Hexachloroethane	0.33	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Indeno(1,2,3-cd)pyrene	0.33	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Isophorone	0.33	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Methylnaphthalene[2-]	0.33	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Methylphenol[2-]	0.33	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Methylphenol[4-]	0.33	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Naphthalene	0.33	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Nitroaniline[2-]	1.6	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Nitroaniline[3-]	1.6	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Nitroaniline[4-]	0.67	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Nitrobenzene	0.33	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Nitrophenol[2-]	0.33	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Nitrophenol[4-]	1.6	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Nitrosodimethylamine[N-]	0.33	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Nitroso-di-n-propylamine[N-]	0.33	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Nitrosodiphenylamine[N-]	0.33	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Oxybis(1-chloropropane)[2,2'-]	0.33	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Pentachlorophenol	1.6	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Phenanthrene	0.33	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Phenol	0.33	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Pyrene	0.33	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Trichlorobenzene[1,2,4-]	0.33	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Trichlorophenol[2,4,5-]	1.6	MG/KG	U
16-021(c)	16-2706	0316-97-0287	79	80	FT	QBT4	Trichlorophenol[2,4,6-]	0.33	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Acenaphthene	0.34	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Acenaphthylene	0.34	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Aniline	0.67	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Anthracene	0.34	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Azobenzene	0.67	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Benzo(a)anthracene	0.34	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Benzo(a)pyrene	0.34	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Benzo(b)fluoranthene	0.34	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Benzo(g,h,i)perylene	0.34	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Benzo(k)fluoranthene	0.34	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Benzoic Acid	3.4	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Benzyl Alcohol	1.3	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Bis(2-chloroethoxy)methane	0.34	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Bis(2-chloroethyl)ether	0.34	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Bis(2-ethylhexyl)phthalate	0.34	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Bromophenyl-phenylether[4-]	0.34	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Butylbenzylphthalate	0.34	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Chloro-3-methylphenol[4-]	0.67	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Chloroaniline[4-]	1.3	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Chloronaphthalene[2-]	0.34	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Chlorophenol[2-]	0.34	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Chlorophenyl-phenyl[4-] Ether	0.34	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Chrysene	0.34	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Dibenz(a,h)anthracene	0.34	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Dibenzofuran	0.34	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Dichlorobenzene[1,2-]	0.34	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Dichlorobenzene[1,3-]	0.34	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Dichlorobenzene[1,4-]	0.34	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Dichlorobenzidine[3,3'-]	0.67	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Dichlorophenol[2,4-]	0.34	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Diethylphthalate	0.34	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Dimethyl Phthalate	0.34	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Dimethylphenol[2,4-]	0.34	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Di-n-butylphthalate	0.34	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Dinitro-2-methylphenol[4,6-]	1.6	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Dinitrophenol[2,4-]	1.6	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Dinitrotoluene[2,4-]	0.34	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Dinitrotoluene[2,6-]	0.34	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Di-n-octylphthalate	0.34	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Fluoranthene	0.34	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Fluorene	0.34	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Hexachlorobenzene	0.34	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Hexachlorobutadiene	0.34	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Hexachlorocyclopentadiene	0.34	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Hexachloroethane	0.34	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Indeno(1,2,3-cd)pyrene	0.34	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Isophorone	0.34	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Methylnaphthalene[2-]	0.34	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Methylphenol[2-]	0.34	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Methylphenol[4-]	0.34	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Naphthalene	0.34	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Nitroaniline[2-]	1.6	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Nitroaniline[3-]	1.6	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Nitroaniline[4-]	0.67	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Nitrobenzene	0.34	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Nitrophenol[2-]	0.34	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Nitrophenol[4-]	1.6	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Nitrosodimethylamine[N-]	0.34	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Nitroso-di-n-propylamine[N-]	0.34	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Nitrosodiphenylamine[N-]	0.34	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Oxybis(1-chloropropane)[2,2'-]	0.34	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Pentachlorophenol	1.6	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Phenanthrene	0.34	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Phenol	0.34	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Pyrene	0.34	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Trichlorobenzene[1,2,4-]	0.34	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Trichlorophenol[2,4,5-]	1.6	MG/KG	U
16-021(c)	16-2706	0316-97-0288	74	75	FT	QBT4	Trichlorophenol[2,4,6-]	0.34	MG/KG	U
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Acenaphthene	0.37	MG/KG	UJ
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Acenaphthylene	0.37	MG/KG	UJ

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Aniline	0.37	MG/KG	UJ
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Anthracene	0.37	MG/KG	UJ
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Azobenzene	0.37	MG/KG	UJ
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Benzo(a)anthracene	0.37	MG/KG	UJ
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Benzo(a)pyrene	0.37	MG/KG	UJ
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Benzo(b)fluoranthene	0.37	MG/KG	UJ
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Benzo(g,h,i)perylene	0.37	MG/KG	UJ
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Benzo(k)fluoranthene	0.37	MG/KG	UJ
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Benzoic Acid	1.9	MG/KG	UJ
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Benzyl Alcohol	0.37	MG/KG	UJ
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Bis(2-chloroethoxy)methane	0.37	MG/KG	UJ
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Bis(2-chloroethyl)ether	0.37	MG/KG	UJ
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Bis(2-ethylhexyl)phthalate	0.37	MG/KG	UJ
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Bromophenyl-phenylether[4-]	0.37	MG/KG	UJ
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Butylbenzylphthalate	0.37	MG/KG	UJ
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Chloro-3-methylphenol[4-]	0.75	MG/KG	UJ
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Chloroaniline[4-]	0.75	MG/KG	UJ
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Chloronaphthalene[2-]	0.37	MG/KG	UJ
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Chlorophenol[2-]	0.37	MG/KG	UJ
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Chlorophenyl-phenyl[4-] Ether	0.37	MG/KG	UJ
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Chrysene	0.37	MG/KG	UJ
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Dibenz(a,h)anthracene	0.37	MG/KG	UJ
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Dibenzofuran	0.37	MG/KG	UJ
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Dichlorobenzene[1,2-]	0.37	MG/KG	UJ
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Dichlorobenzene[1,3-]	0.37	MG/KG	UJ
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Dichlorobenzene[1,4-]	0.37	MG/KG	UJ
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Dichlorobenzidine[3,3'-]	0.37	MG/KG	UJ
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Dichlorophenol[2,4-]	0.37	MG/KG	UJ
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Diethylphthalate	0.37	MG/KG	UJ
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Dimethyl Phthalate	0.37	MG/KG	UJ

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Dimethylphenol[2,4-]	0.37	MG/KG	UJ
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Di-n-butylphthalate	0.37	MG/KG	UJ
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Dinitro-2-methylphenol[4,6-]	1.9	MG/KG	UJ
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Dinitrophenol[2,4-]	1.9	MG/KG	UJ
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Dinitrotoluene[2,4-]	0.37	MG/KG	UJ
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Dinitrotoluene[2,6-]	0.37	MG/KG	UJ
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Di-n-octylphthalate	0.37	MG/KG	UJ
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Fluoranthene	0.37	MG/KG	UJ
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Fluorene	0.37	MG/KG	UJ
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Hexachlorobenzene	0.37	MG/KG	UJ
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Hexachlorobutadiene	0.37	MG/KG	UJ
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Hexachlorocyclopentadiene	0.37	MG/KG	UJ
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Hexachloroethane	0.37	MG/KG	UJ
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Indeno(1,2,3-cd)pyrene	0.37	MG/KG	UJ
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Isophorone	0.37	MG/KG	UJ
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Methylnaphthalene[2-]	0.37	MG/KG	UJ
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Methylphenol[2-]	0.37	MG/KG	UJ
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Methylphenol[4-]	0.37	MG/KG	UJ
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Naphthalene	0.37	MG/KG	UJ
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Nitroaniline[2-]	1.9	MG/KG	UJ
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Nitroaniline[3-]	1.9	MG/KG	UJ
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Nitroaniline[4-]	0.75	MG/KG	UJ
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Nitrobenzene	0.37	MG/KG	UJ
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Nitrophenol[2-]	0.37	MG/KG	UJ
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Nitrophenol[4-]	1.9	MG/KG	UJ
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Nitrosodimethylamine[N-]	0.37	MG/KG	UJ
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Nitroso-di-n-propylamine[N-]	0.37	MG/KG	UJ
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Nitrosodiphenylamine[N-]	0.37	MG/KG	UJ
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Oxybis(1-chloropropane)[2,2'-]	0.37	MG/KG	UJ
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Pentachlorophenol	1.9	MG/KG	UJ

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Phenanthrene	0.37	MG/KG	UJ
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Phenol	0.37	MG/KG	UJ
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Pyrene	0.37	MG/KG	UJ
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Trichlorobenzene[1,2,4-]	0.37	MG/KG	UJ
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Trichlorophenol[2,4,5-]	1.9	MG/KG	UJ
16-021(c)	16-2706	0316-97-0289	18	19	FT	QBT5	Trichlorophenol[2,4,6-]	0.37	MG/KG	UJ
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Acenaphthene	0.37	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Acenaphthylene	0.37	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Aniline	0.92	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Anthracene	0.37	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Azobenzene	0.37	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Benzidine	1.8	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Benzo(a)anthracene	0.37	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Benzo(a)pyrene	0.37	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Benzo(b)fluoranthene	0.37	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Benzo(g,h,i)perylene	0.37	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Benzoic Acid	1.8	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Benzyl Alcohol	0.37	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Bis(2-chloroethoxy)methane	0.37	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Bis(2-chloroethyl)ether	0.37	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Bis(2-ethylhexyl)phthalate	0.37	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Bromophenyl-phenylether[4-]	0.37	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Butylbenzylphthalate	0.37	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Carbazole	0.37	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Chloro-3-methylphenol[4-]	0.37	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Chloroaniline[4-]	0.92	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Chloronaphthalene[2-]	0.37	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Chlorophenol[2-]	0.37	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Chlorophenyl-phenyl[4-] Ether	0.37	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Chrysene	0.37	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Dibenz(a,h)anthracene	0.37	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Dibenzofuran	0.37	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Dichlorobenzene[1,2-]	0.37	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Dichlorobenzene[1,3-]	0.37	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Dichlorobenzene[1,4-]	0.37	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Dichlorobenzidine[3,3'-]	1.8	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Dichlorophenol[2,4-]	0.37	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Diethylphthalate	0.37	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Dimethyl Phthalate	0.37	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Dimethylphenol[2,4-]	0.37	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Di-n-butylphthalate	0.37	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Dinitro-2-methylphenol[4,6-]	1.8	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Dinitrophenol[2,4-]	1.8	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Dinitrotoluene[2,4-]	0.37	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Dinitrotoluene[2,6-]	0.37	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Di-n-octylphthalate	0.37	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Fluoranthene	0.37	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Fluorene	0.37	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Hexachlorobenzene	0.37	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Hexachlorobutadiene	0.37	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Hexachlorocyclopentadiene	0.37	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Hexachloroethane	0.37	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Indeno(1,2,3-cd)pyrene	0.37	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Isophorone	0.37	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Methylnaphthalene[2-]	0.37	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Methylphenol[2-]	0.37	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Methylphenol[4-]	0.37	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Naphthalene	0.37	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Nitroaniline[2-]	1.8	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Nitroaniline[3-]	1.8	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Nitroaniline[4-]	1.8	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Nitrobenzene	0.37	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Nitrophenol[2-]	0.37	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Nitrophenol[4-]	1.8	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Nitrosodimethylamine[N-]	0.37	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Nitroso-di-n-propylamine[N-]	0.37	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Nitrosodiphenylamine[N-]	0.37	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Oxybis(1-chloropropane)[2,2'-]	0.37	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Pentachlorophenol	1.8	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Phenanthrene	0.37	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Phenol	0.37	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Pyrene	0.37	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Pyridine	0.37	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Trichlorobenzene[1,2,4-]	0.37	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Trichlorophenol[2,4,5-]	0.37	MG/KG	U
16-021(c)	16-2708	0316-97-0298	4	5	FT	ALLH	Trichlorophenol[2,4,6-]	0.37	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Acenaphthene	0.35	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Acenaphthylene	0.35	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Aniline	0.87	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Anthracene	0.35	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Azobenzene	0.35	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Benzidine	1.7	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Benzo(a)anthracene	0.35	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Benzo(a)pyrene	0.35	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Benzo(b)fluoranthene	0.35	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Benzo(g,h,i)perylene	0.35	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Benzoic Acid	1.7	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Benzyl Alcohol	0.35	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Bis(2-chloroethoxy)methane	0.35	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Bis(2-chloroethyl)ether	0.35	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Bis(2-ethylhexyl)phthalate	0.098	MG/KG	J
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Bromophenyl-phenylether[4-]	0.35	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Butylbenzylphthalate	0.35	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Carbazole	0.35	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Chloro-3-methylphenol[4-]	0.35	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Chloroaniline[4-]	0.87	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Chloronaphthalene[2-]	0.35	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Chlorophenol[2-]	0.35	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Chlorophenyl-phenyl[4-] Ether	0.35	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Chrysene	0.35	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Dibenz(a,h)anthracene	0.35	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Dibenzofuran	0.35	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Dichlorobenzene[1,2-]	0.35	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Dichlorobenzene[1,3-]	0.35	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Dichlorobenzene[1,4-]	0.35	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Dichlorobenzidine[3,3'-]	1.7	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Dichlorophenol[2,4-]	0.35	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Diethylphthalate	0.12	MG/KG	J
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Dimethyl Phthalate	0.35	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Dimethylphenol[2,4-]	0.35	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Di-n-butylphthalate	0.35	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Dinitro-2-methylphenol[4,6-]	1.7	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Dinitrophenol[2,4-]	1.7	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Dinitrotoluene[2,4-]	0.35	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Dinitrotoluene[2,6-]	0.35	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Di-n-octylphthalate	0.35	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Fluoranthene	0.35	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Fluorene	0.35	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Hexachlorobenzene	0.35	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Hexachlorobutadiene	0.35	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Hexachlorocyclopentadiene	0.35	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Hexachloroethane	0.35	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Indeno(1,2,3-cd)pyrene	0.35	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Isophorone	0.35	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Methylnaphthalene[2-]	0.35	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Methylphenol[2-]	0.35	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Methylphenol[4-]	0.35	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Naphthalene	0.35	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Nitroaniline[2-]	1.7	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Nitroaniline[3-]	1.7	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Nitroaniline[4-]	1.7	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Nitrobenzene	0.35	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Nitrophenol[2-]	0.35	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Nitrophenol[4-]	1.7	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Nitrosodimethylamine[N-]	0.35	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Nitroso-di-n-propylamine[N-]	0.35	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Nitrosodiphenylamine[N-]	0.35	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Oxybis(1-chloropropane)[2,2'-]	0.35	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Pentachlorophenol	1.7	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Phenanthrene	0.35	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Phenol	0.35	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Pyrene	0.35	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Pyridine	0.35	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Trichlorobenzene[1,2,4-]	0.35	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Trichlorophenol[2,4,5-]	0.35	MG/KG	U
16-021(c)	16-2736	0316-97-0299	104	105	FT	QBT3	Trichlorophenol[2,4,6-]	0.35	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Acenaphthene	0.34	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Acenaphthylene	0.34	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Aniline	0.86	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Anthracene	0.34	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Azobenzene	0.34	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Benzidine	1.7	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Benzo(a)anthracene	0.34	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Benzo(a)pyrene	0.34	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Benzo(b)fluoranthene	0.34	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Benzo(g,h,i)perylene	0.34	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Benzo(k)fluoranthene	0.34	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Benzoic Acid	1.7	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Benzyl Alcohol	0.34	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Bis(2-chloroethoxy)methane	0.34	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Bis(2-chloroethyl)ether	0.34	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Bis(2-ethylhexyl)phthalate	0.34	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Bromophenyl-phenylether[4-]	0.34	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Butylbenzylphthalate	0.34	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Carbazole	0.34	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Chloro-3-methylphenol[4-]	0.34	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Chloroaniline[4-]	0.86	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Chloronaphthalene[2-]	0.34	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Chlorophenol[2-]	0.34	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Chlorophenyl-phenyl[4-] Ether	0.34	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Chrysene	0.34	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Dibenz(a,h)anthracene	0.34	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Dibenzofuran	0.34	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Dichlorobenzene[1,2-]	0.34	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Dichlorobenzene[1,3-]	0.34	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Dichlorobenzene[1,4-]	0.34	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Dichlorobenzidine[3,3'-]	1.7	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Dichlorophenol[2,4-]	0.34	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Diethylphthalate	1.7	MG/KG	none
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Dimethyl Phthalate	0.34	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Dimethylphenol[2,4-]	0.34	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Di-n-butylphthalate	0.34	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Dinitro-2-methylphenol[4,6-]	1.7	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Dinitrophenol[2,4-]	1.7	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Dinitrotoluene[2,4-]	0.34	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Dinitrotoluene[2,6-]	0.34	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Di-n-octylphthalate	0.34	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Fluoranthene	0.34	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Fluorene	0.34	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Hexachlorobenzene	0.34	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Hexachlorobutadiene	0.34	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Hexachlorocyclopentadiene	0.34	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Hexachloroethane	0.34	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Indeno(1,2,3-cd)pyrene	0.34	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Isophorone	0.34	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Methylnaphthalene[2-]	0.34	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Methylphenol[2-]	0.34	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Methylphenol[4-]	0.34	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Naphthalene	0.34	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Nitroaniline[2-]	1.7	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Nitroaniline[3-]	1.7	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Nitroaniline[4-]	1.7	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Nitrobenzene	0.34	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Nitrophenol[2-]	0.34	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Nitrophenol[4-]	1.7	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Nitrosodimethylamine[N-]	0.34	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Nitroso-di-n-propylamine[N-]	0.34	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Nitrosodiphenylamine[N-]	0.34	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Oxybis(1-chloropropane)[2,2'-]	0.34	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Pentachlorophenol	1.7	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Phenanthrene	0.34	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Phenol	0.34	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Pyrene	0.34	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Pyridine	0.34	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Trichlorobenzene[1,2,4-]	0.34	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Trichlorophenol[2,4,5-]	0.34	MG/KG	U
16-021(c)	16-2736	0316-97-0300	99	100	FT	QBT3	Trichlorophenol[2,4,6-]	0.34	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Acenaphthene	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Acenaphthylene	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Aniline	0.75	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Anthracene	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Azobenzene	0.75	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Benzidine	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Benzo(a)anthracene	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Benzo(a)pyrene	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Benzo(b)fluoranthene	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Benzo(g,h,i)perylene	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Benzoic Acid	1.9	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Benzyl Alcohol	0.75	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Bis(2-chloroethoxy)methane	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Bis(2-chloroethyl)ether	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Bis(2-ethylhexyl)phthalate	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Bromophenyl-phenylether[4-]	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Butylbenzylphthalate	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Carbazole	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Chloro-3-methylphenol[4-]	0.75	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Chloroaniline[4-]	0.75	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Chloronaphthalene[2-]	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Chlorophenol[2-]	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Chlorophenyl-phenyl[4-] Ether	0.38	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Chrysene	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Dibenz(a,h)anthracene	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Dibenzofuran	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Dichlorobenzene[1,2-]	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Dichlorobenzene[1,3-]	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Dichlorobenzene[1,4-]	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Dichlorobenzidine[3,3'-]	0.75	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Dichlorophenol[2,4-]	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Diethylphthalate	0.15	MG/KG	J
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Dimethyl Phthalate	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Dimethylphenol[2,4-]	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Di-n-butylphthalate	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Dinitro-2-methylphenol[4,6-]	1.9	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Dinitrophenol[2,4-]	1.9	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Dinitrotoluene[2,4-]	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Dinitrotoluene[2,6-]	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Di-n-octylphthalate	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Fluoranthene	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Fluorene	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Hexachlorobenzene	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Hexachlorobutadiene	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Hexachlorocyclopentadiene	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Hexachloroethane	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Indeno(1,2,3-cd)pyrene	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Isophorone	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Methylnaphthalene[2-]	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Methylphenol[2-]	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Methylphenol[4-]	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Naphthalene	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Nitroaniline[2-]	1.9	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Nitroaniline[3-]	1.9	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Nitroaniline[4-]	0.75	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Nitrobenzene	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Nitrophenol[2-]	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Nitrophenol[4-]	1.9	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Nitrosodimethylamine[N-]	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Nitroso-di-n-propylamine[N-]	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Nitrosodiphenylamine[N-]	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Oxybis(1-chloropropane)[2,2'-]	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Pentachlorophenol	1.9	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Phenanthrene	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Phenol	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Pyrene	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Pyridine	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Trichlorobenzene[1,2,4-]	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Trichlorophenol[2,4,5-]	1.9	MG/KG	U
16-021(c)	16-2709	0316-97-0304	3.5	4.5	FT	QBT5	Trichlorophenol[2,4,6-]	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Acenaphthene	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Acenaphthylene	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Aniline	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Anthracene	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Azobenzene	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Benzo(a)anthracene	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Benzo(a)pyrene	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Benzo(b)fluoranthene	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Benzo(g,h,i)perylene	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Benzo(k)fluoranthene	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Benzoic Acid	3.8	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Benzyl Alcohol	1.5	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Bis(2-chloroethoxy)methane	0.38	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Bis(2-chloroethyl)ether	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Bis(2-ethylhexyl)phthalate	0.61	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Bromophenyl-phenylether[4-]	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Butylbenzylphthalate	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Carbazole	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Chloro-3-methylphenol[4-]	0.75	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Chloroaniline[4-]	1.5	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Chloronaphthalene[2-]	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Chlorophenol[2-]	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Chlorophenyl-phenyl[4-] Ether	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Chrysene	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Dibenz(a,h)anthracene	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Dibenzofuran	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Dichlorobenzene[1,2-]	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Dichlorobenzene[1,3-]	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Dichlorobenzene[1,4-]	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Dichlorobenzidine[3,3'-]	0.75	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Dichlorophenol[2,4-]	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Diethylphthalate	1.4	MG/KG	none
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Dimethyl Phthalate	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Dimethylphenol[2,4-]	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Di-n-butylphthalate	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Dinitro-2-methylphenol[4,6-]	1.8	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Dinitrophenol[2,4-]	1.8	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Dinitrotoluene[2,4-]	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Dinitrotoluene[2,6-]	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Di-n-octylphthalate	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Fluoranthene	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Fluorene	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Hexachlorobenzene	0.38	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Hexachlorobutadiene	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Hexachlorocyclopentadiene	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Hexachloroethane	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Indeno(1,2,3-cd)pyrene	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Isophorone	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Methylnaphthalene[2-]	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Methylphenol[2-]	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Methylphenol[4-]	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Naphthalene	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Nitroaniline[2-]	1.8	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Nitroaniline[3-]	1.8	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Nitroaniline[4-]	0.68	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Nitrobenzene	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Nitrophenol[2-]	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Nitrophenol[4-]	1.8	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Nitrosodimethylamine[N-]	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Nitroso-di-n-propylamine[N-]	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Nitrosodiphenylamine[N-]	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Oxybis(1-chloropropane)[2,2'-]	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Pentachlorophenol	1.8	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Phenanthrene	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Phenol	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Pyrene	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Trichlorobenzene[1,2,4-]	0.38	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Trichlorophenol[2,4,5-]	1.8	MG/KG	U
16-021(c)	16-2709	0316-97-0305	21.5	22.5	FT	QBT5	Trichlorophenol[2,4,6-]	0.38	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Acenaphthene	0.38	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Acenaphthylene	0.38	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Aniline	0.75	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Anthracene	0.38	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Azobenzene	0.75	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Benzidine	0.38	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Benzo(a)anthracene	0.38	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Benzo(a)pyrene	0.38	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Benzo(b)fluoranthene	0.38	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Benzo(g,h,i)perylene	0.38	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Benzoic Acid	1.9	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Benzyl Alcohol	0.75	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Bis(2-chloroethoxy)methane	0.38	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Bis(2-chloroethyl)ether	0.38	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Bis(2-ethylhexyl)phthalate	0.38	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Bromophenyl-phenylether[4-]	0.38	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Butylbenzylphthalate	0.38	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Carbazole	0.38	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Chloro-3-methylphenol[4-]	0.75	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Chloroaniline[4-]	0.75	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Chloronaphthalene[2-]	0.38	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Chlorophenol[2-]	0.38	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Chlorophenyl-phenyl[4-] Ether	0.38	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Chrysene	0.38	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Dibenz(a,h)anthracene	0.38	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Dibenzofuran	0.38	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Dichlorobenzene[1,2-]	0.38	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Dichlorobenzene[1,3-]	0.38	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Dichlorobenzene[1,4-]	0.38	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Dichlorobenzidine[3,3'-]	0.75	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Dichlorophenol[2,4-]	0.38	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Diethylphthalate	0.38	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Dimethyl Phthalate	0.38	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Dimethylphenol[2,4-]	0.38	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Di-n-butylphthalate	0.38	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Dinitro-2-methylphenol[4,6-]	1.9	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Dinitrophenol[2,4-]	1.9	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Dinitrotoluene[2,4-]	0.38	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Dinitrotoluene[2,6-]	0.38	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Di-n-octylphthalate	0.38	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Fluoranthene	0.38	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Fluorene	0.38	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Hexachlorobenzene	0.38	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Hexachlorobutadiene	0.38	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Hexachlorocyclopentadiene	0.38	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Hexachloroethane	0.38	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Indeno(1,2,3-cd)pyrene	0.38	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Isophorone	0.38	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Methylnaphthalene[2-]	0.38	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Methylphenol[2-]	0.38	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Methylphenol[4-]	0.38	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Naphthalene	0.38	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Nitroaniline[2-]	1.9	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Nitroaniline[3-]	1.9	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Nitroaniline[4-]	0.75	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Nitrobenzene	0.38	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Nitrophenol[2-]	0.38	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Nitrophenol[4-]	1.9	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Nitrosodimethylamine[N-]	0.38	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Nitroso-di-n-propylamine[N-]	0.38	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Nitrosodiphenylamine[N-]	0.38	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Oxybis(1-chloropropane)[2,2'-]	0.38	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Pentachlorophenol	1.9	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Phenanthrene	0.38	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Phenol	0.38	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Pyrene	0.38	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Pyridine	0.38	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Trichlorobenzene[1,2,4-]	0.38	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Trichlorophenol[2,4,5-]	1.9	MG/KG	U
16-021(c)	16-2710	0316-97-0310	4	5	FT	QBT5	Trichlorophenol[2,4,6-]	0.38	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Acenaphthene	0.45	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Acenaphthylene	0.45	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Aniline	0.45	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Anthracene	0.45	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Azobenzene	0.45	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Benzo(a)anthracene	0.45	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Benzo(a)pyrene	0.45	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Benzo(b)fluoranthene	0.45	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Benzo(g,h,i)perylene	0.45	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Benzo(k)fluoranthene	0.45	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Benzoic Acid	4.5	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Benzyl Alcohol	1.8	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Bis(2-chloroethoxy)methane	0.45	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Bis(2-chloroethyl)ether	0.45	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Bis(2-ethylhexyl)phthalate	0.26	MG/KG	J
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Bromophenyl-phenylether[4-]	0.45	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Butylbenzylphthalate	0.45	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Carbazole	0.45	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Chloro-3-methylphenol[4-]	0.9	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Chloroaniline[4-]	1.8	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Chloronaphthalene[2-]	0.45	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Chlorophenol[2-]	0.45	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Chlorophenyl-phenyl[4-] Ether	0.45	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Chrysene	0.45	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Dibenz(a,h)anthracene	0.45	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Dibenzofuran	0.45	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Dichlorobenzene[1,2-]	0.45	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Dichlorobenzene[1,3-]	0.45	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Dichlorobenzene[1,4-]	0.45	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Dichlorobenzidine[3,3'-]	0.9	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Dichlorophenol[2,4-]	0.45	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Diethylphthalate	0.45	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Dimethyl Phthalate	0.45	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Dimethylphenol[2,4-]	0.45	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Di-n-butylphthalate	0.45	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Dinitro-2-methylphenol[4,6-]	2.2	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Dinitrophenol[2,4-]	2.2	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Dinitrotoluene[2,4-]	0.45	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Dinitrotoluene[2,6-]	0.45	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Di-n-octylphthalate	0.45	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Fluoranthene	0.45	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Fluorene	0.45	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Hexachlorobenzene	0.45	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Hexachlorobutadiene	0.45	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Hexachlorocyclopentadiene	0.45	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Hexachloroethane	0.45	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Indeno(1,2,3-cd)pyrene	0.45	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Isophorone	0.45	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Methylnaphthalene[2-]	0.45	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Methylphenol[2-]	0.45	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Methylphenol[4-]	0.45	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Naphthalene	0.45	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Nitroaniline[2-]	2.2	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Nitroaniline[3-]	2.2	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Nitroaniline[4-]	0.82	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Nitrobenzene	0.45	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Nitrophenol[2-]	0.45	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Nitrophenol[4-]	2.2	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Nitrosodimethylamine[N-]	0.45	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Nitroso-di-n-propylamine[N-]	0.45	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Nitrosodiphenylamine[N-]	0.45	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Oxybis(1-chloropropane)[2,2'-]	0.45	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Pentachlorophenol	2.2	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Phenanthrene	0.45	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Phenol	0.45	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Pyrene	0.45	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Trichlorobenzene[1,2,4-]	0.45	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Trichlorophenol[2,4,5-]	2.2	MG/KG	U
16-021(c)	16-2710	0316-97-0311	38.5	39.5	FT	QBT4	Trichlorophenol[2,4,6-]	0.45	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Acenaphthene	0.43	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Acenaphthylene	0.43	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Aniline	0.43	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Anthracene	0.43	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Azobenzene	0.43	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Benzo(a)anthracene	0.43	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Benzo(a)pyrene	0.43	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Benzo(b)fluoranthene	0.43	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Benzo(g,h,i)perylene	0.43	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Benzo(k)fluoranthene	0.43	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Benzoic Acid	4.3	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Benzyl Alcohol	1.7	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Bis(2-chloroethoxy)methane	0.43	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Bis(2-chloroethyl)ether	0.43	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Bis(2-ethylhexyl)phthalate	0.47	MG/KG	none

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Bromophenyl-phenylether[4-]	0.43	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Butylbenzylphthalate	0.43	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Carbazole	0.43	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Chloro-3-methylphenol[4-]	0.87	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Chloroaniline[4-]	1.7	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Chloronaphthalene[2-]	0.43	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Chlorophenol[2-]	0.43	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Chlorophenyl-phenyl[4-] Ether	0.43	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Chrysene	0.43	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Dibenz(a,h)anthracene	0.43	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Dibenzofuran	0.43	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Dichlorobenzene[1,2-]	0.43	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Dichlorobenzene[1,3-]	0.43	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Dichlorobenzene[1,4-]	0.43	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Dichlorobenzidine[3,3'-]	0.87	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Dichlorophenol[2,4-]	0.43	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Diethylphthalate	0.43	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Dimethyl Phthalate	0.43	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Dimethylphenol[2,4-]	0.43	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Di-n-butylphthalate	0.43	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Dinitro-2-methylphenol[4,6-]	2.1	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Dinitrophenol[2,4-]	2.1	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Dinitrotoluene[2,4-]	0.43	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Dinitrotoluene[2,6-]	0.43	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Di-n-octylphthalate	0.43	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Fluoranthene	0.43	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Fluorene	0.43	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Hexachlorobenzene	0.43	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Hexachlorobutadiene	0.43	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Hexachlorocyclopentadiene	0.43	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Hexachloroethane	0.43	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Indeno(1,2,3-cd)pyrene	0.43	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Isophorone	0.43	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Methylnaphthalene[2-]	0.43	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Methylphenol[2-]	0.43	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Methylphenol[4-]	0.43	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Naphthalene	0.43	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Nitroaniline[2-]	2.1	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Nitroaniline[3-]	2.1	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Nitroaniline[4-]	0.79	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Nitrobenzene	0.43	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Nitrophenol[2-]	0.43	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Nitrophenol[4-]	2.1	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Nitrosodimethylamine[N-]	0.43	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Nitroso-di-n-propylamine[N-]	0.43	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Nitrosodiphenylamine[N-]	0.43	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Oxybis(1-chloropropane)[2,2'-]	0.43	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Pentachlorophenol	2.1	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Phenanthrene	0.43	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Phenol	0.43	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Pyrene	0.43	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Trichlorobenzene[1,2,4-]	0.43	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Trichlorophenol[2,4,5-]	2.1	MG/KG	U
16-021(c)	16-2710	0316-97-0312	35	36	FT	QBT4	Trichlorophenol[2,4,6-]	0.43	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Acenaphthene	0.38	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Acenaphthylene	0.38	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Anthracene	0.38	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Azobenzene	0.38	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Benzo(a)anthracene	0.38	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Benzo(a)pyrene	0.38	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Benzo(b)fluoranthene	0.38	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Benzo(g,h,i)perylene	0.38	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Benzo(k)fluoranthene	0.38	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Benzoic Acid	3.8	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Benzyl Alcohol	1.5	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Bis(2-chloroethoxy)methane	0.38	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Bis(2-chloroethyl)ether	0.38	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Bis(2-ethylhexyl)phthalate	0.38	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Bromophenyl-phenylether[4-]	0.38	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Butylbenzylphthalate	0.38	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Chloro-3-methylphenol[4-]	0.75	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Chloroaniline[4-]	1.5	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Chloronaphthalene[2-]	0.38	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Chlorophenol[2-]	0.38	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Chlorophenyl-phenyl[4-] Ether	0.38	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Chrysene	0.38	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Dibenz(a,h)anthracene	0.38	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Dibenzofuran	0.38	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Dichlorobenzene[1,2-]	0.38	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Dichlorobenzene[1,3-]	0.38	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Dichlorobenzene[1,4-]	0.38	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Dichlorobenzidine[3,3'-]	0.75	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Dichlorophenol[2,4-]	0.38	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Diethylphthalate	0.38	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Dimethyl Phthalate	0.38	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Dimethylphenol[2,4-]	0.38	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Di-n-butylphthalate	0.38	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Dinitro-2-methylphenol[4,6-]	1.8	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Dinitrophenol[2,4-]	1.8	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Dinitrotoluene[2,4-]	0.38	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Dinitrotoluene[2,6-]	0.38	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Di-n-octylphthalate	0.38	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Fluoranthene	0.38	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Fluorene	0.38	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Hexachlorobenzene	0.38	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Hexachlorobutadiene	0.38	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Hexachlorocyclopentadiene	0.38	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Hexachloroethane	0.38	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Indeno(1,2,3-cd)pyrene	0.38	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Isophorone	0.38	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Methylnaphthalene[2-]	0.38	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Methylphenol[2-]	0.38	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Methylphenol[4-]	0.38	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Naphthalene	0.38	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Nitroaniline[2-]	1.8	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Nitroaniline[3-]	1.8	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Nitroaniline[4-]	0.68	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Nitrobenzene	0.38	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Nitrophenol[2-]	0.38	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Nitrophenol[4-]	1.8	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Nitrosodimethylamine[N-]	0.38	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Nitroso-di-n-propylamine[N-]	0.38	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Nitrosodiphenylamine[N-]	0.38	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Oxybis(1-chloropropane)[2,2'-]	0.38	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Pentachlorophenol	1.8	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Phenanthrene	0.38	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Phenol	0.38	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Pyrene	0.38	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Trichlorobenzene[1,2,4-]	0.38	MG/KG	U
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Trichlorophenol[2,4,5-]	1.8	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2711	0316-97-0316	3.5	4.5	FT	QBT5	Trichlorophenol[2,4,6-]	0.38	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Acenaphthene	0.34	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Acenaphthylene	0.34	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Anthracene	0.34	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Azobenzene	0.34	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Benzo(a)anthracene	0.34	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Benzo(a)pyrene	0.34	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Benzo(b)fluoranthene	0.34	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Benzo(g,h,i)perylene	0.34	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Benzo(k)fluoranthene	0.34	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Benzoic Acid	3.4	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Benzyl Alcohol	1.3	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Bis(2-chloroethoxy)methane	0.34	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Bis(2-chloroethyl)ether	0.34	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Bis(2-ethylhexyl)phthalate	0.34	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Bromophenyl-phenylether[4-]	0.34	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Butylbenzylphthalate	0.34	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Chloro-3-methylphenol[4-]	0.67	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Chloroaniline[4-]	1.3	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Chloronaphthalene[2-]	0.34	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Chlorophenol[2-]	0.34	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Chlorophenyl-phenyl[4-] Ether	0.34	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Chrysene	0.34	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Dibenz(a,h)anthracene	0.34	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Dibenzofuran	0.34	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Dichlorobenzene[1,2-]	0.34	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Dichlorobenzene[1,3-]	0.34	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Dichlorobenzene[1,4-]	0.34	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Dichlorobenzidine[3,3'-]	0.67	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Dichlorophenol[2,4-]	0.34	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Diethylphthalate	0.34	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Dimethyl Phthalate	0.34	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Dimethylphenol[2,4-]	0.34	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Di-n-butylphthalate	0.34	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Dinitro-2-methylphenol[4,6-]	1.6	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Dinitrophenol[2,4-]	1.6	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Dinitrotoluene[2,4-]	0.34	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Dinitrotoluene[2,6-]	0.34	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Di-n-octylphthalate	0.34	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Fluoranthene	0.34	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Fluorene	0.34	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Hexachlorobenzene	0.34	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Hexachlorobutadiene	0.34	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Hexachlorocyclopentadiene	0.34	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Hexachloroethane	0.34	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Indeno(1,2,3-cd)pyrene	0.34	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Isophorone	0.34	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Methylnaphthalene[2-]	0.34	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Methylphenol[2-]	0.34	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Methylphenol[4-]	0.34	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Naphthalene	0.34	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Nitroaniline[2-]	1.6	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Nitroaniline[3-]	1.6	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Nitroaniline[4-]	0.61	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Nitrobenzene	0.34	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Nitrophenol[2-]	0.34	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Nitrophenol[4-]	1.6	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Nitrosodimethylamine[N-]	0.34	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Nitroso-di-n-propylamine[N-]	0.34	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Nitrosodiphenylamine[N-]	0.34	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Oxybis(1-chloropropane)[2,2'-]	0.34	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Pentachlorophenol	1.6	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Phenanthrene	0.34	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Phenol	0.34	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Pyrene	0.34	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Trichlorobenzene[1,2,4-]	0.34	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Trichlorophenol[2,4,5-]	1.6	MG/KG	U
16-021(c)	16-2711	0316-97-0317	69	70	FT	QBT4	Trichlorophenol[2,4,6-]	0.34	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Acenaphthene	0.36	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Acenaphthylene	0.36	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Aniline	0.73	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Anthracene	0.36	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Azobenzene	0.73	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Benzo(a)anthracene	0.36	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Benzo(a)pyrene	0.36	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Benzo(b)fluoranthene	0.36	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Benzo(g,h,i)perylene	0.36	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Benzo(k)fluoranthene	0.36	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Benzoic Acid	3.6	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Benzyl Alcohol	1.4	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Bis(2-chloroethoxy)methane	0.36	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Bis(2-chloroethyl)ether	0.36	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Bis(2-ethylhexyl)phthalate	0.36	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Bromophenyl-phenylether[4-]	0.36	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Butylbenzylphthalate	0.36	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Chloro-3-methylphenol[4-]	0.73	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Chloroaniline[4-]	1.4	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Chloronaphthalene[2-]	0.36	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Chlorophenol[2-]	0.36	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Chlorophenyl-phenyl[4-] Ether	0.36	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Chrysene	0.36	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Dibenz(a,h)anthracene	0.36	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Dibenzofuran	0.36	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Dichlorobenzene[1,2-]	0.36	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Dichlorobenzene[1,3-]	0.36	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Dichlorobenzene[1,4-]	0.36	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Dichlorobenzidine[3,3'-]	0.73	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Dichlorophenol[2,4-]	0.36	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Diethylphthalate	0.36	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Dimethyl Phthalate	0.36	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Dimethylphenol[2,4-]	0.36	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Di-n-butylphthalate	0.36	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Dinitro-2-methylphenol[4,6-]	1.8	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Dinitrophenol[2,4-]	1.8	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Dinitrotoluene[2,4-]	0.36	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Dinitrotoluene[2,6-]	0.36	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Di-n-octylphthalate	0.36	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Fluoranthene	0.36	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Fluorene	0.36	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Hexachlorobenzene	0.36	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Hexachlorobutadiene	0.36	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Hexachlorocyclopentadiene	0.36	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Hexachloroethane	0.36	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Indeno(1,2,3-cd)pyrene	0.36	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Isophorone	0.36	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Methylnaphthalene[2-]	0.36	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Methylphenol[2-]	0.36	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Methylphenol[4-]	0.36	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Naphthalene	0.36	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Nitroaniline[2-]	1.8	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Nitroaniline[3-]	1.8	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Nitroaniline[4-]	0.73	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Nitrobenzene	0.36	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Nitrophenol[2-]	0.36	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Nitrophenol[4-]	1.8	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Nitrosodimethylamine[N-]	0.36	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Nitroso-di-n-propylamine[N-]	0.36	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Nitrosodiphenylamine[N-]	0.36	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Oxybis(1-chloropropane)[2,2'-]	0.36	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Pentachlorophenol	1.8	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Phenanthrene	0.36	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Phenol	0.36	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Pyrene	0.36	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Trichlorobenzene[1,2,4-]	0.36	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Trichlorophenol[2,4,5-]	1.8	MG/KG	U
16-021(c)	16-2712	0316-97-0322	4	5	FT	QBT5	Trichlorophenol[2,4,6-]	0.36	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Acenaphthene	0.34	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Acenaphthylene	0.34	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Aniline	0.34	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Anthracene	0.34	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Benzo(a)anthracene	0.34	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Benzo(a)pyrene	0.34	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Benzo(b)fluoranthene	0.34	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Benzo(g,h,i)perylene	0.34	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Benzo(k)fluoranthene	0.34	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Benzoic Acid	1.7	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Benzyl Alcohol	0.68	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Bis(2-chloroethoxy)methane	0.34	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Bis(2-chloroethyl)ether	0.34	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Bis(2-ethylhexyl)phthalate	0.1	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Bromophenyl-phenylether[4-]	0.34	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Butylbenzylphthalate	0.34	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Chloro-3-methylphenol[4-]	0.68	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Chloroaniline[4-]	0.68	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Chloronaphthalene[2-]	0.34	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Chlorophenol[2-]	0.34	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Chlorophenyl-phenyl[4-] Ether	0.34	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Chrysene	0.34	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Dibenz(a,h)anthracene	0.34	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Dibenzofuran	0.34	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Dichlorobenzene[1,2-]	0.34	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Dichlorobenzene[1,3-]	0.34	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Dichlorobenzene[1,4-]	0.34	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Dichlorobenzidine[3,3'-]	0.68	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Dichlorophenol[2,4-]	0.34	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Diethylphthalate	0.34	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Dimethyl Phthalate	0.34	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Dimethylphenol[2,4-]	0.34	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Di-n-butylphthalate	0.34	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Dinitro-2-methylphenol[4,6-]	1.7	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Dinitrophenol[2,4-]	1.7	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Dinitrotoluene[2,4-]	0.34	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Dinitrotoluene[2,6-]	0.34	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Di-n-octylphthalate	0.34	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Diphenylhydrazine[1,2-]	0.34	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Fluoranthene	0.34	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Fluorene	0.34	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Hexachlorobenzene	0.34	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Hexachlorobutadiene	0.34	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Hexachlorocyclopentadiene	0.34	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Hexachloroethane	0.34	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Indeno(1,2,3-cd)pyrene	0.34	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Isophorone	0.34	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Methylnaphthalene[2-]	0.34	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Methylphenol[2-]	0.34	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Methylphenol[4-]	0.34	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Naphthalene	0.34	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Nitroaniline[2-]	1.7	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Nitroaniline[3-]	1.7	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Nitroaniline[4-]	0.68	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Nitrobenzene	0.34	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Nitrophenol[2-]	0.34	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Nitrophenol[4-]	1.7	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Nitrosodimethylamine[N-]	0.34	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Nitroso-di-n-propylamine[N-]	0.34	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Nitrosodiphenylamine[N-]	0.34	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Oxybis(1-chloropropane)[2,2'-]	0.34	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Pentachlorophenol	1.7	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Phenanthrene	0.34	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Phenol	0.34	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Pyrene	0.34	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Trichlorobenzene[1,2,4-]	0.34	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Trichlorophenol[2,4,5-]	1.7	MG/KG	U
16-021(c)	16-2712	0316-97-0323	89	90	FT	QBT4	Trichlorophenol[2,4,6-]	0.34	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Acenaphthene	0.34	MG/KG	UJ
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Acenaphthylene	0.34	MG/KG	UJ
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Aniline	0.34	MG/KG	UJ
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Anthracene	0.34	MG/KG	UJ
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Benzo(a)anthracene	0.34	MG/KG	UJ
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Benzo(a)pyrene	0.34	MG/KG	UJ

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Benzo(b)fluoranthene	0.34	MG/KG	UJ
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Benzo(g,h,i)perylene	0.34	MG/KG	UJ
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Benzo(k)fluoranthene	0.34	MG/KG	UJ
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Benzoic Acid	1.7	MG/KG	UJ
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Benzyl Alcohol	0.68	MG/KG	UJ
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Bis(2-chloroethoxy)methane	0.34	MG/KG	UJ
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Bis(2-chloroethyl)ether	0.34	MG/KG	UJ
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Bis(2-ethylhexyl)phthalate	0.079	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Bis(2-ethylhexyl)phthalate	0.079	MG/KG	U
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Bromophenyl-phenylether[4-]	0.34	MG/KG	UJ
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Butylbenzylphthalate	0.34	MG/KG	UJ
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Chloro-3-methylphenol[4-]	0.68	MG/KG	UJ
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Chloroaniline[4-]	0.68	MG/KG	UJ
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Chloronaphthalene[2-]	0.34	MG/KG	UJ
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Chlorophenol[2-]	0.34	MG/KG	UJ
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Chlorophenyl-phenyl[4-] Ether	0.34	MG/KG	UJ
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Chrysene	0.34	MG/KG	UJ
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Dibenz(a,h)anthracene	0.34	MG/KG	UJ
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Dibenzofuran	0.34	MG/KG	UJ
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Dichlorobenzene[1,2-]	0.34	MG/KG	UJ
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Dichlorobenzene[1,3-]	0.34	MG/KG	UJ
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Dichlorobenzene[1,4-]	0.34	MG/KG	UJ
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Dichlorobenzidine[3,3'-]	0.68	MG/KG	UJ
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Dichlorophenol[2,4-]	0.34	MG/KG	UJ
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Diethylphthalate	0.34	MG/KG	UJ
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Dimethyl Phthalate	0.34	MG/KG	UJ
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Dimethylphenol[2,4-]	0.34	MG/KG	UJ
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Di-n-butylphthalate	0.034	MG/KG	J
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Dinitro-2-methylphenol[4,6-]	1.7	MG/KG	UJ
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Dinitrophenol[2,4-]	1.7	MG/KG	UJ

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Dinitrotoluene[2,4-]	0.34	MG/KG	UJ
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Dinitrotoluene[2,6-]	0.34	MG/KG	UJ
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Di-n-octylphthalate	0.34	MG/KG	UJ
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Diphenylhydrazine[1,2-]	0.34	MG/KG	UJ
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Fluoranthene	0.34	MG/KG	UJ
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Fluorene	0.34	MG/KG	UJ
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Hexachlorobenzene	0.034	MG/KG	UJ
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Hexachlorobutadiene	0.34	MG/KG	UJ
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Hexachlorocyclopentadiene	0.34	MG/KG	UJ
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Hexachloroethane	0.34	MG/KG	UJ
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Indeno(1,2,3-cd)pyrene	0.34	MG/KG	UJ
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Isophorone	0.34	MG/KG	UJ
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Methylnaphthalene[2-]	0.34	MG/KG	UJ
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Methylphenol[2-]	0.34	MG/KG	UJ
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Methylphenol[4-]	0.34	MG/KG	UJ
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Naphthalene	0.34	MG/KG	UJ
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Nitroaniline[2-]	1.7	MG/KG	UJ
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Nitroaniline[3-]	1.7	MG/KG	UJ
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Nitroaniline[4-]	0.68	MG/KG	UJ
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Nitrobenzene	0.34	MG/KG	UJ
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Nitrophenol[2-]	0.34	MG/KG	UJ
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Nitrophenol[4-]	1.7	MG/KG	UJ
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Nitrosodimethylamine[N-]	0.34	MG/KG	UJ
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Nitroso-di-n-propylamine[N-]	0.34	MG/KG	UJ
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Nitrosodiphenylamine[N-]	0.34	MG/KG	UJ
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Oxybis(1-chloropropane)[2,2'-]	0.34	MG/KG	UJ
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Pentachlorophenol	1.7	MG/KG	UJ
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Phenanthrene	0.34	MG/KG	UJ
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Phenol	0.34	MG/KG	UJ
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Pyrene	0.34	MG/KG	UJ

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Trichlorobenzene[1,2,4-]	0.34	MG/KG	UJ
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Trichlorophenol[2,4,5-]	1.7	MG/KG	UJ
16-021(c)	16-2712	0316-97-0324	83	83.8	FT	QBT4	Trichlorophenol[2,4,6-]	0.34	MG/KG	UJ
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Acenaphthene	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Acenaphthylene	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Aniline	0.73	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Anthracene	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Azobenzene	0.73	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Benzidine	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Benzo(a)anthracene	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Benzo(a)pyrene	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Benzo(b)fluoranthene	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Benzo(g,h,i)perylene	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Benzoic Acid	1.8	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Benzyl Alcohol	0.73	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Bis(2-chloroethoxy)methane	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Bis(2-chloroethyl)ether	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Bis(2-ethylhexyl)phthalate	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Bromophenyl-phenylether[4-]	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Butylbenzylphthalate	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Carbazole	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Chloro-3-methylphenol[4-]	0.73	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Chloroaniline[4-]	0.73	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Chloronaphthalene[2-]	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Chlorophenol[2-]	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Chlorophenyl-phenyl[4-] Ether	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Chrysene	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Dibenz(a,h)anthracene	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Dibenzofuran	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Dichlorobenzene[1,2-]	0.37	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Dichlorobenzene[1,3-]	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Dichlorobenzene[1,4-]	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Dichlorobenzidine[3,3'-]	0.73	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Dichlorophenol[2,4-]	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Diethylphthalate	0.13	MG/KG	J
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Dimethyl Phthalate	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Dimethylphenol[2,4-]	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Di-n-butylphthalate	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Dinitro-2-methylphenol[4,6-]	1.8	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Dinitrophenol[2,4-]	1.8	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Dinitrotoluene[2,4-]	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Dinitrotoluene[2,6-]	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Di-n-octylphthalate	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Fluoranthene	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Fluorene	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Hexachlorobenzene	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Hexachlorobutadiene	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Hexachlorocyclopentadiene	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Hexachloroethane	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Indeno(1,2,3-cd)pyrene	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Isophorone	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Methylnaphthalene[2-]	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Methylphenol[2-]	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Methylphenol[4-]	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Naphthalene	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Nitroaniline[2-]	1.8	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Nitroaniline[3-]	1.8	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Nitroaniline[4-]	0.73	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Nitrobenzene	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Nitrophenol[2-]	0.37	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Nitrophenol[4-]	1.8	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Nitrosodimethylamine[N-]	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Nitroso-di-n-propylamine[N-]	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Nitrosodiphenylamine[N-]	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Oxybis(1-chloropropane)[2,2'-]	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Pentachlorophenol	1.8	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Phenanthrene	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Phenol	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Pyrene	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Pyridine	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Trichlorobenzene[1,2,4-]	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Trichlorophenol[2,4,5-]	1.8	MG/KG	U
16-021(c)	16-2735	0316-97-0390	54	55	FT	QBT4	Trichlorophenol[2,4,6-]	0.37	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Acenaphthene	0.36	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Acenaphthylene	0.36	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Aniline	0.72	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Anthracene	0.36	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Azobenzene	0.72	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Benzidine	0.36	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Benzo(a)anthracene	0.36	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Benzo(a)pyrene	0.36	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Benzo(b)fluoranthene	0.36	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Benzo(g,h,i)perylene	0.36	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Benzoic Acid	1.8	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Benzyl Alcohol	0.72	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Bis(2-chloroethoxy)methane	0.36	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Bis(2-chloroethyl)ether	0.36	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Bis(2-ethylhexyl)phthalate	0.055	MG/KG	J
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Bromophenyl-phenylether[4-]	0.36	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Butylbenzylphthalate	0.088	MG/KG	J

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Carbazole	0.36	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Chloro-3-methylphenol[4-]	0.72	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Chloroaniline[4-]	0.72	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Chloronaphthalene[2-]	0.36	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Chlorophenol[2-]	0.36	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Chlorophenyl-phenyl[4-] Ether	0.36	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Chrysene	0.36	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Dibenz(a,h)anthracene	0.36	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Dibenzofuran	0.36	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Dichlorobenzene[1,2-]	0.36	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Dichlorobenzene[1,3-]	0.36	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Dichlorobenzene[1,4-]	0.36	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Dichlorobenzidine[3,3'-]	0.72	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Dichlorophenol[2,4-]	0.36	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Diethylphthalate	0.36	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Dimethyl Phthalate	0.36	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Dimethylphenol[2,4-]	0.36	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Di-n-butylphthalate	0.17	MG/KG	J
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Dinitro-2-methylphenol[4,6-]	1.8	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Dinitrophenol[2,4-]	1.8	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Dinitrotoluene[2,4-]	0.36	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Dinitrotoluene[2,6-]	0.36	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Di-n-octylphthalate	0.36	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Fluoranthene	0.36	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Fluorene	0.36	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Hexachlorobenzene	0.36	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Hexachlorobutadiene	0.36	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Hexachlorocyclopentadiene	0.36	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Hexachloroethane	0.36	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Indeno(1,2,3-cd)pyrene	0.36	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Isophorone	0.36	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Methylnaphthalene[2-]	0.36	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Methylphenol[2-]	0.36	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Methylphenol[4-]	0.36	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Naphthalene	0.36	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Nitroaniline[2-]	1.8	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Nitroaniline[3-]	1.8	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Nitroaniline[4-]	0.72	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Nitrobenzene	0.36	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Nitrophenol[2-]	0.36	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Nitrophenol[4-]	1.8	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Nitrosodimethylamine[N-]	0.36	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Nitroso-di-n-propylamine[N-]	0.36	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Nitrosodiphenylamine[N-]	0.36	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Oxybis(1-chloropropane)[2,2'-]	0.36	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Pentachlorophenol	1.8	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Phenanthrene	0.36	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Phenol	0.36	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Pyrene	0.36	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Pyridine	0.36	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Trichlorobenzene[1,2,4-]	0.36	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Trichlorophenol[2,4,5-]	1.8	MG/KG	U
16-021(c)	16-2735	0316-97-0391	63	63.8	FT	QBT4	Trichlorophenol[2,4,6-]	0.36	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Acenaphthene	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Acenaphthylene	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Aniline	0.7	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Anthracene	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Azobenzene	0.7	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Benzidine	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Benzo(a)anthracene	0.35	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Benzo(a)pyrene	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Benzo(b)fluoranthene	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Benzo(g,h,i)perylene	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Benzoic Acid	1.7	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Benzyl Alcohol	0.7	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Bis(2-chloroethoxy)methane	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Bis(2-chloroethyl)ether	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Bis(2-ethylhexyl)phthalate	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Bromophenyl-phenylether[4-]	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Butylbenzylphthalate	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Carbazole	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Chloro-3-methylphenol[4-]	0.7	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Chloroaniline[4-]	0.7	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Chloronaphthalene[2-]	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Chlorophenol[2-]	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Chlorophenyl-phenyl[4-] Ether	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Chrysene	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Dibenz(a,h)anthracene	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Dibenzofuran	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Dichlorobenzene[1,2-]	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Dichlorobenzene[1,3-]	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Dichlorobenzene[1,4-]	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Dichlorobenzidine[3,3'-]	0.7	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Dichlorophenol[2,4-]	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Diethylphthalate	0.14	MG/KG	J
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Dimethyl Phthalate	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Dimethylphenol[2,4-]	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Di-n-butylphthalate	0.043	MG/KG	J
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Dinitro-2-methylphenol[4,6-]	1.7	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Dinitrophenol[2,4-]	1.7	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Dinitrotoluene[2,4-]	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Dinitrotoluene[2,6-]	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Di-n-octylphthalate	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Fluoranthene	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Fluorene	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Hexachlorobenzene	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Hexachlorobutadiene	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Hexachlorocyclopentadiene	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Hexachloroethane	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Indeno(1,2,3-cd)pyrene	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Isophorone	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Methylnaphthalene[2-]	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Methylphenol[2-]	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Methylphenol[4-]	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Naphthalene	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Nitroaniline[2-]	1.7	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Nitroaniline[3-]	1.7	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Nitroaniline[4-]	0.7	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Nitrobenzene	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Nitrophenol[2-]	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Nitrophenol[4-]	1.7	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Nitrosodimethylamine[N-]	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Nitroso-di-n-propylamine[N-]	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Nitrosodiphenylamine[N-]	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Oxybis(1-chloropropane)[2,2'-]	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Pentachlorophenol	1.7	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Phenanthrene	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Phenol	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Pyrene	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Pyridine	0.35	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Trichlorobenzene[1,2,4-]	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Trichlorophenol[2,4,5-]	1.7	MG/KG	U
16-021(c)	16-2735	0316-97-0392	74.4	75.4	FT	QBT4	Trichlorophenol[2,4,6-]	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Acenaphthene	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Acenaphthylene	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Aniline	0.7	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Anthracene	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Azobenzene	0.7	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Benzidine	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Benzo(a)anthracene	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Benzo(a)pyrene	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Benzo(b)fluoranthene	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Benzo(g,h,i)perylene	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Benzoic Acid	1.7	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Benzyl Alcohol	0.7	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Bis(2-chloroethoxy)methane	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Bis(2-chloroethyl)ether	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Bis(2-ethylhexyl)phthalate	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Bromophenyl-phenylether[4-]	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Butylbenzylphthalate	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Carbazole	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Chloro-3-methylphenol[4-]	0.7	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Chloroaniline[4-]	0.7	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Chloronaphthalene[2-]	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Chlorophenol[2-]	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Chlorophenyl-phenyl[4-] Ether	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Chrysene	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Dibenz(a,h)anthracene	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Dibenzofuran	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Dichlorobenzene[1,2-]	0.35	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Dichlorobenzene[1,3-]	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Dichlorobenzene[1,4-]	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Dichlorobenzidine[3,3'-]	0.7	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Dichlorophenol[2,4-]	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Diethylphthalate	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Dimethyl Phthalate	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Dimethylphenol[2,4-]	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Di-n-butylphthalate	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Dinitro-2-methylphenol[4,6-]	1.7	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Dinitrophenol[2,4-]	1.7	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Dinitrotoluene[2,4-]	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Dinitrotoluene[2,6-]	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Di-n-octylphthalate	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Fluoranthene	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Fluorene	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Hexachlorobenzene	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Hexachlorobutadiene	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Hexachlorocyclopentadiene	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Hexachloroethane	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Indeno(1,2,3-cd)pyrene	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Isophorone	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Methylnaphthalene[2-]	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Methylphenol[2-]	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Methylphenol[4-]	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Naphthalene	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Nitroaniline[2-]	1.7	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Nitroaniline[3-]	1.7	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Nitroaniline[4-]	0.7	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Nitrobenzene	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Nitrophenol[2-]	0.35	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Nitrophenol[4-]	1.7	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Nitrosodimethylamine[N-]	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Nitroso-di-n-propylamine[N-]	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Nitrosodiphenylamine[N-]	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Oxybis(1-chloropropane)[2,2'-]	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Pentachlorophenol	1.7	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Phenanthrene	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Phenol	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Pyrene	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Pyridine	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Trichlorobenzene[1,2,4-]	0.35	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Trichlorophenol[2,4,5-]	1.7	MG/KG	U
16-021(c)	16-2735	0316-97-0393	80.5	81.5	FT	QBT4	Trichlorophenol[2,4,6-]	0.35	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Acenaphthene	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Acenaphthylene	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Aniline	0.74	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Anthracene	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Azobenzene	0.74	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Benzidine	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Benzo(a)anthracene	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Benzo(a)pyrene	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Benzo(b)fluoranthene	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Benzo(g,h,i)perylene	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Benzoic Acid	1.9	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Benzyl Alcohol	0.74	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Bis(2-chloroethoxy)methane	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Bis(2-chloroethyl)ether	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Bis(2-ethylhexyl)phthalate	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Bromophenyl-phenylether[4-]	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Butylbenzylphthalate	0.37	MG/KG	U

Table I-2.0-8 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Carbazole	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Chloro-3-methylphenol[4-]	0.74	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Chloroaniline[4-]	0.74	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Chloronaphthalene[2-]	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Chlorophenol[2-]	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Chlorophenyl-phenyl[4-] Ether	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Chrysene	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Dibenz(a,h)anthracene	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Dibenzofuran	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Dichlorobenzene[1,2-]	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Dichlorobenzene[1,3-]	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Dichlorobenzene[1,4-]	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Dichlorobenzidine[3,3'-]	0.74	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Dichlorophenol[2,4-]	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Diethylphthalate	0.37	MG/KG	J
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Dimethyl Phthalate	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Dimethylphenol[2,4-]	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Di-n-butylphthalate	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Dinitro-2-methylphenol[4,6-]	1.9	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Dinitrophenol[2,4-]	1.9	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Dinitrotoluene[2,4-]	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Dinitrotoluene[2,6-]	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Di-n-octylphthalate	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Fluoranthene	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Fluorene	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Hexachlorobenzene	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Hexachlorobutadiene	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Hexachlorocyclopentadiene	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Hexachloroethane	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Indeno(1,2,3-cd)pyrene	0.37	MG/KG	U

Table I-2.0-8 (concluded)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Isophorone	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Methylnaphthalene[2-]	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Methylphenol[2-]	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Methylphenol[4-]	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Naphthalene	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Nitroaniline[2-]	1.9	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Nitroaniline[3-]	1.9	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Nitroaniline[4-]	0.74	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Nitrobenzene	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Nitrophenol[2-]	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Nitrophenol[4-]	1.9	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Nitrosodimethylamine[N-]	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Nitroso-di-n-propylamine[N-]	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Nitrosodiphenylamine[N-]	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Oxybis(1-chloropropane)[2,2'-]	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Pentachlorophenol	1.9	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Phenanthrene	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Phenol	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Pyrene	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Pyridine	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Trichlorobenzene[1,2,4-]	0.37	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Trichlorophenol[2,4,5-]	1.9	MG/KG	U
16-021(c)	16-2706	0316-97-2020	4	5	FT	QBT5	Trichlorophenol[2,4,6-]	0.37	MG/KG	U

Table I-3.0-1

Inorganic Chemicals in Surface Sediments Samples

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2670	0316-97-0440	0	6	IN	SED	Aluminum	8100	MG/KG	none
16-021(c)	16-2670	0316-97-0440	0	6	IN	SED	Antimony	16	MG/KG	UJ
16-021(c)	16-2670	0316-97-0440	0	6	IN	SED	Arsenic	3.2	MG/KG	J
16-021(c)	16-2670	0316-97-0440	0	6	IN	SED	Barium	3100	MG/KG	none
16-021(c)	16-2670	0316-97-0440	0	6	IN	SED	Beryllium	0.81	MG/KG	UJ
16-021(c)	16-2670	0316-97-0440	0	6	IN	SED	Cadmium	0.97	MG/KG	none
16-021(c)	16-2670	0316-97-0440	0	6	IN	SED	Calcium	2400	MG/KG	none
16-021(c)	16-2670	0316-97-0440	0	6	IN	SED	Chromium, Total	8.1	MG/KG	none
16-021(c)	16-2670	0316-97-0440	0	6	IN	SED	Cobalt	3.2	MG/KG	none
16-021(c)	16-2670	0316-97-0440	0	6	IN	SED	Copper	31	MG/KG	none
16-021(c)	16-2670	0316-97-0440	0	6	IN	SED	Cyanide, Total	1.9	MG/KG	J-
16-021(c)	16-2670	0316-97-0440	0	6	IN	SED	Iron	11000	MG/KG	none
16-021(c)	16-2670	0316-97-0440	0	6	IN	SED	Lead	23	MG/KG	none
16-021(c)	16-2670	0316-97-0440	0	6	IN	SED	Magnesium	1300	MG/KG	none
16-021(c)	16-2670	0316-97-0440	0	6	IN	SED	Manganese	260	MG/KG	none
16-021(c)	16-2670	0316-97-0440	0	6	IN	SED	Mercury	0.016	MG/KG	UJ
16-021(c)	16-2670	0316-97-0440	0	6	IN	SED	Nickel	8.1	MG/KG	none
16-021(c)	16-2670	0316-97-0440	0	6	IN	SED	Potassium	1100	MG/KG	none
16-021(c)	16-2670	0316-97-0440	0	6	IN	SED	Selenium	1.6	MG/KG	UJ
16-021(c)	16-2670	0316-97-0440	0	6	IN	SED	Silver	3.2	MG/KG	J-
16-021(c)	16-2670	0316-97-0440	0	6	IN	SED	Sodium	140	MG/KG	none
16-021(c)	16-2670	0316-97-0440	0	6	IN	SED	Thallium	0.04	MG/KG	U
16-021(c)	16-2670	0316-97-0440	0	6	IN	SED	Vanadium	12	MG/KG	none
16-021(c)	16-2670	0316-97-0440	0	6	IN	SED	Zinc	52	MG/KG	J-
16-021(c)	16-2671	0316-97-0441	0	6	IN	SED	Aluminum	12000	MG/KG	none
16-021(c)	16-2671	0316-97-0441	0	6	IN	SED	Antimony	22	MG/KG	U
16-021(c)	16-2671	0316-97-0441	0	6	IN	SED	Arsenic	4.2	MG/KG	J-
16-021(c)	16-2671	0316-97-0441	0	6	IN	SED	Barium	4400	MG/KG	none

Table I-3.0-1 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2671	0316-97-0441	0	6	IN	SED	Beryllium	1.1	MG/KG	U
16-021(c)	16-2671	0316-97-0441	0	6	IN	SED	Cadmium	1.3	MG/KG	none
16-021(c)	16-2671	0316-97-0441	0	6	IN	SED	Calcium	3600	MG/KG	none
16-021(c)	16-2671	0316-97-0441	0	6	IN	SED	Chromium, Total	8.9	MG/KG	none
16-021(c)	16-2671	0316-97-0441	0	6	IN	SED	Cobalt	4.4	MG/KG	none
16-021(c)	16-2671	0316-97-0441	0	6	IN	SED	Copper	36	MG/KG	none
16-021(c)	16-2671	0316-97-0441	0	6	IN	SED	Cyanide, Total	1.1	MG/KG	UJ
16-021(c)	16-2671	0316-97-0441	0	6	IN	SED	Iron	11000	MG/KG	none
16-021(c)	16-2671	0316-97-0441	0	6	IN	SED	Lead	29	MG/KG	none
16-021(c)	16-2671	0316-97-0441	0	6	IN	SED	Magnesium	1900	MG/KG	none
16-021(c)	16-2671	0316-97-0441	0	6	IN	SED	Manganese	400	MG/KG	none
16-021(c)	16-2671	0316-97-0441	0	6	IN	SED	Mercury	0.22	MG/KG	U
16-021(c)	16-2671	0316-97-0441	0	6	IN	SED	Nickel	11	MG/KG	none
16-021(c)	16-2671	0316-97-0441	0	6	IN	SED	Potassium	1600	MG/KG	none
16-021(c)	16-2671	0316-97-0441	0	6	IN	SED	Selenium	2.2	MG/KG	UJ
16-021(c)	16-2671	0316-97-0441	0	6	IN	SED	Silver	4.4	MG/KG	U
16-021(c)	16-2671	0316-97-0441	0	6	IN	SED	Sodium	200	MG/KG	none
16-021(c)	16-2671	0316-97-0441	0	6	IN	SED	Thallium	0.56	MG/KG	U
16-021(c)	16-2671	0316-97-0441	0	6	IN	SED	Vanadium	17	MG/KG	none
16-021(c)	16-2671	0316-97-0441	0	6	IN	SED	Zinc	69	MG/KG	J-
16-021(c)	16-2672	0316-97-0442	0	6	IN	SED	Aluminum	3100	MG/KG	none
16-021(c)	16-2672	0316-97-0442	0	6	IN	SED	Antimony	12	MG/KG	UJ
16-021(c)	16-2672	0316-97-0442	0	6	IN	SED	Arsenic	1.82	MG/KG	J-
16-021(c)	16-2672	0316-97-0442	0	6	IN	SED	Barium	440	MG/KG	none
16-021(c)	16-2672	0316-97-0442	0	6	IN	SED	Beryllium	0.6	MG/KG	U
16-021(c)	16-2672	0316-97-0442	0	6	IN	SED	Cadmium	0.6	MG/KG	U
16-021(c)	16-2672	0316-97-0442	0	6	IN	SED	Calcium	510	MG/KG	none
16-021(c)	16-2672	0316-97-0442	0	6	IN	SED	Chromium, Total	3.6	MG/KG	U
16-021(c)	16-2672	0316-97-0442	0	6	IN	SED	Cobalt	1.2	MG/KG	none

Table I-3.0-1 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2672	0316-97-0442	0	6	IN	SED	Copper	6	MG/KG	U
16-021(c)	16-2672	0316-97-0442	0	6	IN	SED	Cyanide, Total	1.9	MG/KG	UJ
16-021(c)	16-2672	0316-97-0442	0	6	IN	SED	Iron	5200	MG/KG	none
16-021(c)	16-2672	0316-97-0442	0	6	IN	SED	Lead	6.5	MG/KG	none
16-021(c)	16-2672	0316-97-0442	0	6	IN	SED	Magnesium	440	MG/KG	none
16-021(c)	16-2672	0316-97-0442	0	6	IN	SED	Manganese	120	MG/KG	none
16-021(c)	16-2672	0316-97-0442	0	6	IN	SED	Mercury	0.12	MG/KG	U
16-021(c)	16-2672	0316-97-0442	0	6	IN	SED	Nickel	2.4	MG/KG	none
16-021(c)	16-2672	0316-97-0442	0	6	IN	SED	Potassium	420	MG/KG	none
16-021(c)	16-2672	0316-97-0442	0	6	IN	SED	Selenium	1.2	MG/KG	UJ
16-021(c)	16-2672	0316-97-0442	0	6	IN	SED	Silver	2.4	MG/KG	U
16-021(c)	16-2672	0316-97-0442	0	6	IN	SED	Sodium	60	MG/KG	U
16-021(c)	16-2672	0316-97-0442	0	6	IN	SED	Thallium	0.3	MG/KG	U
16-021(c)	16-2672	0316-97-0442	0	6	IN	SED	Vanadium	6.3	MG/KG	none
16-021(c)	16-2672	0316-97-0442	0	6	IN	SED	Zinc	20	MG/KG	J-
16-021(c)	16-2673	0316-97-0443	0	6	IN	SED	Aluminum	7100	MG/KG	none
16-021(c)	16-2673	0316-97-0443	0	6	IN	SED	Antimony	15	MG/KG	UJ
16-021(c)	16-2673	0316-97-0443	0	6	IN	SED	Arsenic	2.4	MG/KG	J-
16-021(c)	16-2673	0316-97-0443	0	6	IN	SED	Barium	1800	MG/KG	none
16-021(c)	16-2673	0316-97-0443	0	6	IN	SED	Beryllium	0.76	MG/KG	U
16-021(c)	16-2673	0316-97-0443	0	6	IN	SED	Cadmium	0.76	MG/KG	none
16-021(c)	16-2673	0316-97-0443	0	6	IN	SED	Calcium	1400	MG/KG	none
16-021(c)	16-2673	0316-97-0443	0	6	IN	SED	Chromium, Total	6.1	MG/KG	none
16-021(c)	16-2673	0316-97-0443	0	6	IN	SED	Cobalt	1.5	MG/KG	none
16-021(c)	16-2673	0316-97-0443	0	6	IN	SED	Copper	9.1	MG/KG	none
16-021(c)	16-2673	0316-97-0443	0	6	IN	SED	Cyanide, Total	0.6	MG/KG	UJ
16-021(c)	16-2673	0316-97-0443	0	6	IN	SED	Iron	12000	MG/KG	none
16-021(c)	16-2673	0316-97-0443	0	6	IN	SED	Lead	9.8	MG/KG	none
16-021(c)	16-2673	0316-97-0443	0	6	IN	SED	Magnesium	1100	MG/KG	none
16-021(c)	16-2673	0316-97-0443	0	6	IN	SED	Manganese	170	MG/KG	none

Table I-3.0-1 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2673	0316-97-0443	0	6	IN	SED	Mercury	0.015	MG/KG	U
16-021(c)	16-2673	0316-97-0443	0	6	IN	SED	Nickel	4.5	MG/KG	none
16-021(c)	16-2673	0316-97-0443	0	6	IN	SED	Potassium	1000	MG/KG	none
16-021(c)	16-2673	0316-97-0443	0	6	IN	SED	Selenium	1.5	MG/KG	UJ
16-021(c)	16-2673	0316-97-0443	0	6	IN	SED	Silver	3	MG/KG	U
16-021(c)	16-2673	0316-97-0443	0	6	IN	SED	Sodium	100	MG/KG	none
16-021(c)	16-2673	0316-97-0443	0	6	IN	SED	Thallium	0.04	MG/KG	U
16-021(c)	16-2673	0316-97-0443	0	6	IN	SED	Vanadium	10	MG/KG	none
16-021(c)	16-2673	0316-97-0443	0	6	IN	SED	Zinc	35	MG/KG	J-
16-021(c)	16-2674	0316-97-0444	0	6	IN	SED	Aluminum	3100	MG/KG	none
16-021(c)	16-2674	0316-97-0444	0	6	IN	SED	Antimony	11	MG/KG	UJ
16-021(c)	16-2674	0316-97-0444	0	6	IN	SED	Arsenic	2.1	MG/KG	J-
16-021(c)	16-2674	0316-97-0444	0	6	IN	SED	Barium	510	MG/KG	none
16-021(c)	16-2674	0316-97-0444	0	6	IN	SED	Beryllium	0.55	MG/KG	U
16-021(c)	16-2674	0316-97-0444	0	6	IN	SED	Cadmium	0.55	MG/KG	U
16-021(c)	16-2674	0316-97-0444	0	6	IN	SED	Calcium	850	MG/KG	none
16-021(c)	16-2674	0316-97-0444	0	6	IN	SED	Chromium, Total	3.3	MG/KG	U
16-021(c)	16-2674	0316-97-0444	0	6	IN	SED	Cobalt	1.1	MG/KG	none
16-021(c)	16-2674	0316-97-0444	0	6	IN	SED	Copper	5.5	MG/KG	none
16-021(c)	16-2674	0316-97-0444	0	6	IN	SED	Cyanide, Total	0.55	MG/KG	UJ
16-021(c)	16-2674	0316-97-0444	0	6	IN	SED	Iron	7700	MG/KG	none
16-021(c)	16-2674	0316-97-0444	0	6	IN	SED	Lead	9.1	MG/KG	none
16-021(c)	16-2674	0316-97-0444	0	6	IN	SED	Magnesium	570	MG/KG	none
16-021(c)	16-2674	0316-97-0444	0	6	IN	SED	Manganese	190	MG/KG	none
16-021(c)	16-2674	0316-97-0444	0	6	IN	SED	Mercury	0.11	MG/KG	U
16-021(c)	16-2674	0316-97-0444	0	6	IN	SED	Nickel	3.3	MG/KG	none
16-021(c)	16-2674	0316-97-0444	0	6	IN	SED	Potassium	560	MG/KG	none
16-021(c)	16-2674	0316-97-0444	0	6	IN	SED	Selenium	1.1	MG/KG	U
16-021(c)	16-2674	0316-97-0444	0	6	IN	SED	Silver	2.2	MG/KG	UJ
16-021(c)	16-2674	0316-97-0444	0	6	IN	SED	Sodium	84	MG/KG	none

Table I-3.0-1 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2674	0316-97-0444	0	6	IN	SED	Thallium	0.27	MG/KG	U
16-021(c)	16-2674	0316-97-0444	0	6	IN	SED	Vanadium	6.7	MG/KG	none
16-021(c)	16-2674	0316-97-0444	0	6	IN	SED	Zinc	25	MG/KG	J-
16-021(c)	16-2675	0316-97-0445	0	6	IN	SED	Aluminum	1600	MG/KG	none
16-021(c)	16-2675	0316-97-0445	0	6	IN	SED	Antimony	11	MG/KG	UJ
16-021(c)	16-2675	0316-97-0445	0	6	IN	SED	Arsenic	1.5	MG/KG	none
16-021(c)	16-2675	0316-97-0445	0	6	IN	SED	Barium	340	MG/KG	none
16-021(c)	16-2675	0316-97-0445	0	6	IN	SED	Beryllium	0.57	MG/KG	U
16-021(c)	16-2675	0316-97-0445	0	6	IN	SED	Cadmium	0.57	MG/KG	U
16-021(c)	16-2675	0316-97-0445	0	6	IN	SED	Calcium	530	MG/KG	none
16-021(c)	16-2675	0316-97-0445	0	6	IN	SED	Chromium, Total	2.3	MG/KG	none
16-021(c)	16-2675	0316-97-0445	0	6	IN	SED	Cobalt	2.3	MG/KG	none
16-021(c)	16-2675	0316-97-0445	0	6	IN	SED	Copper	3.4	MG/KG	none
16-021(c)	16-2675	0316-97-0445	0	6	IN	SED	Cyanide, Total	0.57	MG/KG	U
16-021(c)	16-2675	0316-97-0445	0	6	IN	SED	Iron	5100	MG/KG	none
16-021(c)	16-2675	0316-97-0445	0	6	IN	SED	Lead	6.9	MG/KG	J
16-021(c)	16-2675	0316-97-0445	0	6	IN	SED	Magnesium	520	MG/KG	none
16-021(c)	16-2675	0316-97-0445	0	6	IN	SED	Manganese	150	MG/KG	J
16-021(c)	16-2675	0316-97-0445	0	6	IN	SED	Mercury	0.11	MG/KG	U
16-021(c)	16-2675	0316-97-0445	0	6	IN	SED	Nickel	2.3	MG/KG	none
16-021(c)	16-2675	0316-97-0445	0	6	IN	SED	Potassium	290	MG/KG	none
16-021(c)	16-2675	0316-97-0445	0	6	IN	SED	Selenium	0.57	MG/KG	U
16-021(c)	16-2675	0316-97-0445	0	6	IN	SED	Silver	2.3	MG/KG	U
16-021(c)	16-2675	0316-97-0445	0	6	IN	SED	Sodium	49	MG/KG	none
16-021(c)	16-2675	0316-97-0445	0	6	IN	SED	Thallium	0.29	MG/KG	U
16-021(c)	16-2675	0316-97-0445	0	6	IN	SED	Vanadium	6.6	MG/KG	none
16-021(c)	16-2675	0316-97-0445	0	6	IN	SED	Zinc	23	MG/KG	none
16-021(c)	16-2676	0316-97-0446	0	6	IN	SED	Aluminum	1300	MG/KG	none
16-021(c)	16-2676	0316-97-0446	0	6	IN	SED	Antimony	11	MG/KG	UJ
16-021(c)	16-2676	0316-97-0446	0	6	IN	SED	Arsenic	1.4	MG/KG	none

Table I-3.0-1 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2676	0316-97-0446	0	6	IN	SED	Barium	200	MG/KG	none
16-021(c)	16-2676	0316-97-0446	0	6	IN	SED	Beryllium	0.53	MG/KG	U
16-021(c)	16-2676	0316-97-0446	0	6	IN	SED	Cadmium	0.53	MG/KG	U
16-021(c)	16-2676	0316-97-0446	0	6	IN	SED	Calcium	330	MG/KG	none
16-021(c)	16-2676	0316-97-0446	0	6	IN	SED	Chromium, Total	1.1	MG/KG	none
16-021(c)	16-2676	0316-97-0446	0	6	IN	SED	Cobalt	1.1	MG/KG	U
16-021(c)	16-2676	0316-97-0446	0	6	IN	SED	Copper	2.1	MG/KG	none
16-021(c)	16-2676	0316-97-0446	0	6	IN	SED	Cyanide, Total	0.53	MG/KG	U
16-021(c)	16-2676	0316-97-0446	0	6	IN	SED	Iron	4200	MG/KG	none
16-021(c)	16-2676	0316-97-0446	0	6	IN	SED	Lead	6	MG/KG	J
16-021(c)	16-2676	0316-97-0446	0	6	IN	SED	Magnesium	330	MG/KG	none
16-021(c)	16-2676	0316-97-0446	0	6	IN	SED	Manganese	160	MG/KG	J
16-021(c)	16-2676	0316-97-0446	0	6	IN	SED	Mercury	0.11	MG/KG	U
16-021(c)	16-2676	0316-97-0446	0	6	IN	SED	Nickel	2.1	MG/KG	U
16-021(c)	16-2676	0316-97-0446	0	6	IN	SED	Potassium	330	MG/KG	none
16-021(c)	16-2676	0316-97-0446	0	6	IN	SED	Selenium	0.53	MG/KG	U
16-021(c)	16-2676	0316-97-0446	0	6	IN	SED	Silver	2.1	MG/KG	U
16-021(c)	16-2676	0316-97-0446	0	6	IN	SED	Sodium	35	MG/KG	none
16-021(c)	16-2676	0316-97-0446	0	6	IN	SED	Thallium	0.26	MG/KG	U
16-021(c)	16-2676	0316-97-0446	0	6	IN	SED	Vanadium	4.9	MG/KG	none
16-021(c)	16-2676	0316-97-0446	0	6	IN	SED	Zinc	23	MG/KG	none
16-021(c)	16-2677	0316-97-0447	0	6	IN	SED	Aluminum	4400	MG/KG	none
16-021(c)	16-2677	0316-97-0447	0	6	IN	SED	Antimony	14	MG/KG	UJ
16-021(c)	16-2677	0316-97-0447	0	6	IN	SED	Arsenic	2	MG/KG	none
16-021(c)	16-2677	0316-97-0447	0	6	IN	SED	Barium	150	MG/KG	none
16-021(c)	16-2677	0316-97-0447	0	6	IN	SED	Beryllium	0.7	MG/KG	U
16-021(c)	16-2677	0316-97-0447	0	6	IN	SED	Cadmium	0.7	MG/KG	U
16-021(c)	16-2677	0316-97-0447	0	6	IN	SED	Calcium	1000	MG/KG	none
16-021(c)	16-2677	0316-97-0447	0	6	IN	SED	Chromium, Total	2.8	MG/KG	none
16-021(c)	16-2677	0316-97-0447	0	6	IN	SED	Cobalt	4.2	MG/KG	none

Table I-3.0-1 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2677	0316-97-0447	0	6	IN	SED	Copper	2.8	MG/KG	none
16-021(c)	16-2677	0316-97-0447	0	6	IN	SED	Cyanide, Total	0.7	MG/KG	U
16-021(c)	16-2677	0316-97-0447	0	6	IN	SED	Iron	5200	MG/KG	none
16-021(c)	16-2677	0316-97-0447	0	6	IN	SED	Lead	8.7	MG/KG	J
16-021(c)	16-2677	0316-97-0447	0	6	IN	SED	Magnesium	720	MG/KG	none
16-021(c)	16-2677	0316-97-0447	0	6	IN	SED	Manganese	300	MG/KG	J
16-021(c)	16-2677	0316-97-0447	0	6	IN	SED	Mercury	0.14	MG/KG	U
16-021(c)	16-2677	0316-97-0447	0	6	IN	SED	Nickel	2.8	MG/KG	none
16-021(c)	16-2677	0316-97-0447	0	6	IN	SED	Potassium	720	MG/KG	none
16-021(c)	16-2677	0316-97-0447	0	6	IN	SED	Selenium	0.7	MG/KG	U
16-021(c)	16-2677	0316-97-0447	0	6	IN	SED	Silver	2.8	MG/KG	U
16-021(c)	16-2677	0316-97-0447	0	6	IN	SED	Sodium	59	MG/KG	none
16-021(c)	16-2677	0316-97-0447	0	6	IN	SED	Thallium	0.35	MG/KG	U
16-021(c)	16-2677	0316-97-0447	0	6	IN	SED	Vanadium	8.2	MG/KG	none
16-021(c)	16-2677	0316-97-0447	0	6	IN	SED	Zinc	13	MG/KG	none
16-021(c)	16-2678	0316-97-0448	0	6	IN	SED	Aluminum	1400	MG/KG	none
16-021(c)	16-2678	0316-97-0448	0	6	IN	SED	Antimony	12	MG/KG	UJ
16-021(c)	16-2678	0316-97-0448	0	6	IN	SED	Arsenic	1.2	MG/KG	none
16-021(c)	16-2678	0316-97-0448	0	6	IN	SED	Barium	170	MG/KG	none
16-021(c)	16-2678	0316-97-0448	0	6	IN	SED	Beryllium	0.62	MG/KG	U
16-021(c)	16-2678	0316-97-0448	0	6	IN	SED	Cadmium	0.62	MG/KG	U
16-021(c)	16-2678	0316-97-0448	0	6	IN	SED	Calcium	860	MG/KG	none
16-021(c)	16-2678	0316-97-0448	0	6	IN	SED	Chromium, Total	1.2	MG/KG	none
16-021(c)	16-2678	0316-97-0448	0	6	IN	SED	Cobalt	1.2	MG/KG	none
16-021(c)	16-2678	0316-97-0448	0	6	IN	SED	Copper	3.7	MG/KG	none
16-021(c)	16-2678	0316-97-0448	0	6	IN	SED	Cyanide, Total	0.62	MG/KG	U
16-021(c)	16-2678	0316-97-0448	0	6	IN	SED	Iron	3200	MG/KG	none
16-021(c)	16-2678	0316-97-0448	0	6	IN	SED	Lead	5.1	MG/KG	J
16-021(c)	16-2678	0316-97-0448	0	6	IN	SED	Magnesium	250	MG/KG	none
16-021(c)	16-2678	0316-97-0448	0	6	IN	SED	Manganese	140	MG/KG	J

Table I-3.0-1 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2678	0316-97-0448	0	6	IN	SED	Mercury	0.12	MG/KG	U
16-021(c)	16-2678	0316-97-0448	0	6	IN	SED	Nickel	2.5	MG/KG	none
16-021(c)	16-2678	0316-97-0448	0	6	IN	SED	Potassium	310	MG/KG	none
16-021(c)	16-2678	0316-97-0448	0	6	IN	SED	Selenium	0.62	MG/KG	U
16-021(c)	16-2678	0316-97-0448	0	6	IN	SED	Silver	2.5	MG/KG	U
16-021(c)	16-2678	0316-97-0448	0	6	IN	SED	Sodium	33	MG/KG	none
16-021(c)	16-2678	0316-97-0448	0	6	IN	SED	Thallium	0.31	MG/KG	U
16-021(c)	16-2678	0316-97-0448	0	6	IN	SED	Vanadium	5.3	MG/KG	none
16-021(c)	16-2678	0316-97-0448	0	6	IN	SED	Zinc	15	MG/KG	none
16-021(c)	16-2679	0316-97-0449	0	6	IN	SED	Aluminum	910	MG/KG	none
16-021(c)	16-2679	0316-97-0449	0	6	IN	SED	Antimony	11	MG/KG	UJ
16-021(c)	16-2679	0316-97-0449	0	6	IN	SED	Arsenic	1.1	MG/KG	none
16-021(c)	16-2679	0316-97-0449	0	6	IN	SED	Barium	130	MG/KG	none
16-021(c)	16-2679	0316-97-0449	0	6	IN	SED	Beryllium	0.53	MG/KG	U
16-021(c)	16-2679	0316-97-0449	0	6	IN	SED	Cadmium	0.53	MG/KG	U
16-021(c)	16-2679	0316-97-0449	0	6	IN	SED	Calcium	490	MG/KG	none
16-021(c)	16-2679	0316-97-0449	0	6	IN	SED	Chromium, Total	1.1	MG/KG	none
16-021(c)	16-2679	0316-97-0449	0	6	IN	SED	Cobalt	1.1	MG/KG	none
16-021(c)	16-2679	0316-97-0449	0	6	IN	SED	Copper	2.1	MG/KG	none
16-021(c)	16-2679	0316-97-0449	0	6	IN	SED	Cyanide, Total	0.53	MG/KG	U
16-021(c)	16-2679	0316-97-0449	0	6	IN	SED	Iron	3300	MG/KG	none
16-021(c)	16-2679	0316-97-0449	0	6	IN	SED	Lead	4.6	MG/KG	J
16-021(c)	16-2679	0316-97-0449	0	6	IN	SED	Magnesium	140	MG/KG	none
16-021(c)	16-2679	0316-97-0449	0	6	IN	SED	Manganese	230	MG/KG	J
16-021(c)	16-2679	0316-97-0449	0	6	IN	SED	Mercury	0.11	MG/KG	U
16-021(c)	16-2679	0316-97-0449	0	6	IN	SED	Nickel	2.1	MG/KG	U
16-021(c)	16-2679	0316-97-0449	0	6	IN	SED	Potassium	210	MG/KG	none
16-021(c)	16-2679	0316-97-0449	0	6	IN	SED	Selenium	0.53	MG/KG	U
16-021(c)	16-2679	0316-97-0449	0	6	IN	SED	Silver	2.1	MG/KG	U
16-021(c)	16-2679	0316-97-0449	0	6	IN	SED	Sodium	27	MG/KG	none

Table I-3.0-1 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2679	0316-97-0449	0	6	IN	SED	Thallium	0.26	MG/KG	U
16-021(c)	16-2679	0316-97-0449	0	6	IN	SED	Vanadium	0.53	MG/KG	none
16-021(c)	16-2679	0316-97-0449	0	6	IN	SED	Zinc	15	MG/KG	none
16-021(c)	16-2680	0316-97-0458	0	6	IN	SED	Aluminum	1500	MG/KG	none
16-021(c)	16-2680	0316-97-0458	0	6	IN	SED	Antimony	11	MG/KG	UJ
16-021(c)	16-2680	0316-97-0458	0	6	IN	SED	Arsenic	0.97	MG/KG	none
16-021(c)	16-2680	0316-97-0458	0	6	IN	SED	Barium	90	MG/KG	none
16-021(c)	16-2680	0316-97-0458	0	6	IN	SED	Beryllium	0.53	MG/KG	U
16-021(c)	16-2680	0316-97-0458	0	6	IN	SED	Cadmium	0.53	MG/KG	U
16-021(c)	16-2680	0316-97-0458	0	6	IN	SED	Calcium	300	MG/KG	none
16-021(c)	16-2680	0316-97-0458	0	6	IN	SED	Chromium, Total	2.1	MG/KG	none
16-021(c)	16-2680	0316-97-0458	0	6	IN	SED	Cobalt	1.1	MG/KG	none
16-021(c)	16-2680	0316-97-0458	0	6	IN	SED	Copper	2.1	MG/KG	none
16-021(c)	16-2680	0316-97-0458	0	6	IN	SED	Cyanide, Total	0.53	MG/KG	U
16-021(c)	16-2680	0316-97-0458	0	6	IN	SED	Iron	2500	MG/KG	none
16-021(c)	16-2680	0316-97-0458	0	6	IN	SED	Lead	3.8	MG/KG	J
16-021(c)	16-2680	0316-97-0458	0	6	IN	SED	Magnesium	410	MG/KG	none
16-021(c)	16-2680	0316-97-0458	0	6	IN	SED	Manganese	140	MG/KG	J
16-021(c)	16-2680	0316-97-0458	0	6	IN	SED	Mercury	0.11	MG/KG	U
16-021(c)	16-2680	0316-97-0458	0	6	IN	SED	Nickel	2.1	MG/KG	none
16-021(c)	16-2680	0316-97-0458	0	6	IN	SED	Potassium	440	MG/KG	none
16-021(c)	16-2680	0316-97-0458	0	6	IN	SED	Selenium	0.53	MG/KG	U
16-021(c)	16-2680	0316-97-0458	0	6	IN	SED	Silver	2.1	MG/KG	U
16-021(c)	16-2680	0316-97-0458	0	6	IN	SED	Sodium	34	MG/KG	none
16-021(c)	16-2680	0316-97-0458	0	6	IN	SED	Thallium	0.27	MG/KG	U
16-021(c)	16-2680	0316-97-0458	0	6	IN	SED	Vanadium	4	MG/KG	none
16-021(c)	16-2680	0316-97-0458	0	6	IN	SED	Zinc	26	MG/KG	none
16-021(c)	16-2681	0316-97-0459	0	6	IN	SED	Aluminum	1000	MG/KG	none
16-021(c)	16-2681	0316-97-0459	0	6	IN	SED	Antimony	14	MG/KG	UJ
16-021(c)	16-2681	0316-97-0459	0	6	IN	SED	Arsenic	1.2	MG/KG	none

Table I-3.0-1 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2681	0316-97-0459	0	6	IN	SED	Barium	55	MG/KG	none
16-021(c)	16-2681	0316-97-0459	0	6	IN	SED	Beryllium	0.7	MG/KG	U
16-021(c)	16-2681	0316-97-0459	0	6	IN	SED	Cadmium	0.7	MG/KG	U
16-021(c)	16-2681	0316-97-0459	0	6	IN	SED	Calcium	550	MG/KG	none
16-021(c)	16-2681	0316-97-0459	0	6	IN	SED	Chromium, Total	1.4	MG/KG	none
16-021(c)	16-2681	0316-97-0459	0	6	IN	SED	Cobalt	1.4	MG/KG	U
16-021(c)	16-2681	0316-97-0459	0	6	IN	SED	Copper	1.4	MG/KG	U
16-021(c)	16-2681	0316-97-0459	0	6	IN	SED	Cyanide, Total	0.7	MG/KG	U
16-021(c)	16-2681	0316-97-0459	0	6	IN	SED	Iron	3200	MG/KG	none
16-021(c)	16-2681	0316-97-0459	0	6	IN	SED	Lead	5.4	MG/KG	J
16-021(c)	16-2681	0316-97-0459	0	6	IN	SED	Magnesium	200	MG/KG	none
16-021(c)	16-2681	0316-97-0459	0	6	IN	SED	Manganese	120	MG/KG	J
16-021(c)	16-2681	0316-97-0459	0	6	IN	SED	Mercury	0.14	MG/KG	U
16-021(c)	16-2681	0316-97-0459	0	6	IN	SED	Nickel	2.8	MG/KG	U
16-021(c)	16-2681	0316-97-0459	0	6	IN	SED	Potassium	250	MG/KG	none
16-021(c)	16-2681	0316-97-0459	0	6	IN	SED	Selenium	0.7	MG/KG	U
16-021(c)	16-2681	0316-97-0459	0	6	IN	SED	Silver	2.8	MG/KG	U
16-021(c)	16-2681	0316-97-0459	0	6	IN	SED	Sodium	42	MG/KG	none
16-021(c)	16-2681	0316-97-0459	0	6	IN	SED	Thallium	0.35	MG/KG	U
16-021(c)	16-2681	0316-97-0459	0	6	IN	SED	Vanadium	6.6	MG/KG	none
16-021(c)	16-2681	0316-97-0459	0	6	IN	SED	Zinc	14	MG/KG	none
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	Aluminum	4960	MG/KG	none
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	Antimony	0.99	MG/KG	UJ
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	Arsenic	2.3	MG/KG	J
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	Barium	7080	MG/KG	none
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	Beryllium	0.58	MG/KG	J
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	Cadmium	0.08	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	Calcium	1110	MG/KG	J
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	Chromium, Total	5.7	MG/KG	none
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	Cobalt	14.7	MG/KG	none

Table I-3.0-1 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	Copper	10.8	MG/KG	none
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	Cyanide, Total	0.36	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	Iron	7690	MG/KG	none
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	Lead	24.5	MG/KG	none
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	Magnesium	777	MG/KG	J
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	Manganese	264	MG/KG	J
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	Mercury	0.07	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	Nickel	15.4	MG/KG	none
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	Potassium	870	MG/KG	J
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	Selenium	1.4	MG/KG	none
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	Silver	5.2	MG/KG	none
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	Sodium	111	MG/KG	J
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	Thallium	2	MG/KG	J
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	Vanadium	14.9	MG/KG	none
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	Zinc	27.3	MG/KG	none
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	Aluminum	4840	MG/KG	none
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	Antimony	1.1	MG/KG	UJ
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	Arsenic	3.9	MG/KG	none
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	Barium	6.3	MG/KG	none
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	Beryllium	0.69	MG/KG	J
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	Cadmium	0.11	MG/KG	J
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	Calcium	3480	MG/KG	none
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	Chromium, Total	5.8	MG/KG	none
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	Cobalt	14.4	MG/KG	J
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	Copper	26.9	MG/KG	none
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	Cyanide, Total	0.37	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	Iron	7700	MG/KG	none
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	Lead	48.4	MG/KG	none
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	Magnesium	1020	MG/KG	J
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	Manganese	385	MG/KG	J

Table I-3.0-1 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	Mercury	0.07	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	Nickel	24.8	MG/KG	none
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	Potassium	781	MG/KG	J
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	Selenium	0.92	MG/KG	J
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	Silver	2.3	MG/KG	J
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	Sodium	150	MG/KG	J
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	Thallium	1.4	MG/KG	J
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	Vanadium	18.4	MG/KG	none
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	Zinc	40.4	MG/KG	none
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	Aluminum	5270	MG/KG	none
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	Antimony	0.88	MG/KG	UJ
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	Arsenic	2.9	MG/KG	none
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	Barium	2980	MG/KG	none
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	Beryllium	0.67	MG/KG	J
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	Cadmium	0.09	MG/KG	J
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	Calcium	2320	MG/KG	none
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	Chromium, Total	8.6	MG/KG	none
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	Cobalt	8.3	MG/KG	J
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	Copper	17.7	MG/KG	none
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	Cyanide, Total	0.33	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	Iron	8020	MG/KG	none
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	Lead	29.6	MG/KG	none
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	Magnesium	945	MG/KG	J
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	Manganese	358	MG/KG	J
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	Mercury	0.06	MG/KG	J
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	Nickel	21.8	MG/KG	none
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	Potassium	671	MG/KG	J
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	Selenium	1.3	MG/KG	none
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	Silver	3.4	MG/KG	none
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	Sodium	107	MG/KG	J

Table I-3.0-1 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	Thallium	1.4	MG/KG	J
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	Vanadium	16.4	MG/KG	none
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	Zinc	28.8	MG/KG	none
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	Aluminum	6350	MG/KG	none
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	Antimony	1.1	MG/KG	UJ
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	Arsenic	2.7	MG/KG	J
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	Barium	3730	MG/KG	none
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	Beryllium	0.84	MG/KG	J
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	Cadmium	0.12	MG/KG	J
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	Calcium	2850	MG/KG	none
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	Chromium, Total	7.3	MG/KG	none
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	Cobalt	9.1	MG/KG	J
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	Copper	21.1	MG/KG	none
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	Cyanide, Total	0.39	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	Iron	8260	MG/KG	none
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	Lead	33.4	MG/KG	none
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	Magnesium	1150	MG/KG	J
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	Manganese	278	MG/KG	none
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	Mercury	0.08	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	Nickel	27	MG/KG	none
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	Potassium	855	MG/KG	J
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	Selenium	0.88	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	Silver	4.4	MG/KG	none
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	Sodium	143	MG/KG	J
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	Thallium	1.4	MG/KG	J
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	Vanadium	16.5	MG/KG	none
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	Zinc	37	MG/KG	none
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	Aluminum	4780	MG/KG	none
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	Antimony	0.94	MG/KG	UJ
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	Arsenic	2.5	MG/KG	J

Table I-3.0-1 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	Barium	3480	MG/KG	none
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	Beryllium	0.62	MG/KG	J
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	Cadmium	0.18	MG/KG	J
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	Calcium	2030	MG/KG	none
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	Chromium, Total	6.3	MG/KG	none
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	Cobalt	8.6	MG/KG	J
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	Copper	24.6	MG/KG	none
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	Cyanide, Total	0.33	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	Iron	7430	MG/KG	none
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	Lead	35.5	MG/KG	none
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	Magnesium	293	MG/KG	J
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	Mercury	0.07	MG/KG	J
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	Nickel	9.7	MG/KG	J
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	Potassium	812	MG/KG	J
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	Selenium	1	MG/KG	J
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	Silver	4.7	MG/KG	none
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	Sodium	131	MG/KG	J
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	Thallium	1.2	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	Vanadium	12.5	MG/KG	J
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	Zinc	56.4	MG/KG	none
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	Aluminum	4280	MG/KG	none
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	Antimony	0.61	MG/KG	UJ
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	Arsenic	2.3	MG/KG	none
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	Barium	14300	MG/KG	none
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	Beryllium	0.55	MG/KG	J
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	Cadmium	0.05	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	Calcium	1910	MG/KG	none
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	Chromium, Total	4.3	MG/KG	none
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	Cobalt	23.9	MG/KG	none
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	Copper	10.7	MG/KG	none

Table I-3.0-1 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	Cyanide, Total	0.28	MG/KG	none
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	Iron	6320	MG/KG	none
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	Lead	26.4	MG/KG	none
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	Magnesium	1040	MG/KG	none
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	Manganese	236	MG/KG	J
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	Mercury	0.06	MG/KG	J
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	Nickel	6.7	MG/KG	J
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	Potassium	1200	MG/KG	none
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	Selenium	0.48	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	Silver	3.6	MG/KG	none
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	Sodium	748	MG/KG	J
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	Thallium	0.77	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	Vanadium	11.2	MG/KG	none
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	Zinc	30	MG/KG	none
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Aluminum	6260	MG/KG	none
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Antimony	0.68	MG/KG	UJ
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Arsenic	3.9	MG/KG	U
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Barium	258	MG/KG	J
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Beryllium	0.44	MG/KG	U
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Cadmium	0.07	MG/KG	U
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Calcium	2030	MG/KG	none
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Chromium, Total	17.8	MG/KG	J
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Cobalt	4.6	MG/KG	J
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Copper	69	MG/KG	none
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Cyanide, Total	0.21	MG/KG	UJ
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Iron	9840	MG/KG	none
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Lead	30.2	MG/KG	none
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Magnesium	1030	MG/KG	J
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Manganese	359	MG/KG	J+
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Mercury	0.06	MG/KG	U

Table I-3.0-1 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Nickel	305	MG/KG	J-
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Nitrogen, Nitrate + Nitrite (Expressed as N)	0.5	MG/KG	nv
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Nitrogen, Nitrate + Nitrite (Expressed as N)	0.7	MG/KG	nv
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Potassium	997	MG/KG	J
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Selenium	0.67	MG/KG	U
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Silver	15.1	MG/KG	none
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Sodium	157	MG/KG	none
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Thallium	0.77	MG/KG	U
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Uranium	3.26	MG/KG	J-
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Vanadium	16.3	MG/KG	none
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Zinc	34.3	MG/KG	J
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Aluminum	5170	MG/KG	none
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Antimony	0.64	MG/KG	UJ
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Arsenic	4.2	MG/KG	U
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Barium	199	MG/KG	J
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Beryllium	0.47	MG/KG	U
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Cadmium	0.06	MG/KG	U
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Calcium	1050	MG/KG	J
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Chromium, Total	5	MG/KG	J
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Cobalt	7.4	MG/KG	J
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Copper	4.7	MG/KG	J
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Cyanide, Total	0.2	MG/KG	UJ
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Iron	10400	MG/KG	none
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Lead	13	MG/KG	none
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Magnesium	779	MG/KG	J
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Manganese	553	MG/KG	J+
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Mercury	0.05	MG/KG	U
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Nickel	11.7	MG/KG	J-

Table I-3.0-1 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Nitrogen, Nitrate + Nitrite (Expressed as N)	0.5	MG/KG	U
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Potassium	624	MG/KG	J
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Selenium	0.97	MG/KG	U
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Silver	0.21	MG/KG	U
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Sodium	109	MG/KG	J
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Thallium	1.1	MG/KG	J
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Uranium	2.02	MG/KG	J-
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Vanadium	20	MG/KG	none
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Zinc	19.2	MG/KG	J
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Aluminum	5590	MG/KG	none
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Antimony	0.75	MG/KG	UJ
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Arsenic	4.1	MG/KG	U
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Barium	194	MG/KG	J
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Beryllium	0.44	MG/KG	U
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Cadmium	0.08	MG/KG	U
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Calcium	1180	MG/KG	J
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Chromium, Total	6.9	MG/KG	J
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Cobalt	6.7	MG/KG	J
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Copper	13.3	MG/KG	none
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Cyanide, Total	0.24	MG/KG	UJ
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Iron	11200	MG/KG	none
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Lead	14.7	MG/KG	none
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Magnesium	979	MG/KG	J
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Manganese	412	MG/KG	J+
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Mercury	0.04	MG/KG	U
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Nickel	43.7	MG/KG	J-
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Nitrogen, Nitrate + Nitrite (Expressed as N)	0.5	MG/KG	U
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Potassium	763	MG/KG	U

Table I-3.0-1 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Selenium	0.45	MG/KG	U
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Silver	0.6	MG/KG	U
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Sodium	94.7	MG/KG	J
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Thallium	0.86	MG/KG	U
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Uranium	2.07	MG/KG	J-
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Vanadium	18.8	MG/KG	none
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Zinc	23.4	MG/KG	J
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Aluminum	5200	MG/KG	none
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Antimony	0.68	MG/KG	UJ
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Arsenic	3.8	MG/KG	U
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Barium	234	MG/KG	J
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Beryllium	0.47	MG/KG	U
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Cadmium	0.07	MG/KG	U
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Calcium	1160	MG/KG	none
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Chromium, Total	5.7	MG/KG	J
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Cobalt	5.4	MG/KG	J
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Copper	6.2	MG/KG	none
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Cyanide, Total	0.22	MG/KG	UJ
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Iron	10600	MG/KG	none
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Lead	11.1	MG/KG	none
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Magnesium	866	MG/KG	J
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Manganese	347	MG/KG	J+
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Mercury	0.04	MG/KG	U
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Nickel	17	MG/KG	J-
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Nitrogen, Nitrate + Nitrite (Expressed as N)	1.2	MG/KG	none
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Potassium	783	MG/KG	J
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Selenium	0.42	MG/KG	U
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Silver	0.23	MG/KG	U
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Sodium	107	MG/KG	J

Table I-3.0-1 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Thallium	0.77	MG/KG	U
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Uranium	1.95	MG/KG	J-
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Vanadium	20.9	MG/KG	none
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Zinc	19.6	MG/KG	J
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Aluminum	4270	MG/KG	none
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Antimony	0.67	MG/KG	UJ
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Arsenic	11	MG/KG	none
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Barium	13800	MG/KG	J
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Beryllium	0.64	MG/KG	U
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Cadmium	0.07	MG/KG	U
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Calcium	730	MG/KG	J
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Chromium, Total	8.7	MG/KG	J
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Cobalt	10.1	MG/KG	none
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Copper	99.8	MG/KG	none
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Cyanide, Total	0.74	MG/KG	UJ
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Iron	22000	MG/KG	none
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Lead	129	MG/KG	none
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Magnesium	631	MG/KG	J
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Manganese	472	MG/KG	J+
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Mercury	0.05	MG/KG	U
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Nickel	9.6	MG/KG	J-
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Nitrogen, Nitrate + Nitrite (Expressed as N)	0.9	MG/KG	none
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Potassium	557	MG/KG	J
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Selenium	1.7	MG/KG	none
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Silver	1.3	MG/KG	J
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Sodium	86.1	MG/KG	J
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Thallium	0.75	MG/KG	U
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Uranium	1.73	MG/KG	J-
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Vanadium	54.2	MG/KG	none

Table I-3.0-1 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Zinc	62.3	MG/KG	J
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Aluminum	5490	MG/KG	none
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Antimony	0.67	MG/KG	UJ
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Arsenic	3.7	MG/KG	U
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Barium	15900	MG/KG	J
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Beryllium	0.37	MG/KG	U
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Cadmium	0.07	MG/KG	U
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Calcium	811	MG/KG	J
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Chromium, Total	5.1	MG/KG	J
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Cobalt	8.7	MG/KG	J
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Copper	28.8	MG/KG	none
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Cyanide, Total	1.1	MG/KG	UJ
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Iron	11400	MG/KG	none
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Lead	108	MG/KG	none
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Magnesium	691	MG/KG	J
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Manganese	499	MG/KG	J+
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Mercury	0.06	MG/KG	U
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Nickel	13.5	MG/KG	J-
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Nitrogen, Nitrate + Nitrite (Expressed as N)	0.5	MG/KG	U
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Potassium	601	MG/KG	J
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Selenium	0.4	MG/KG	U
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Silver	2.2	MG/KG	J
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Sodium	102	MG/KG	J
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Thallium	0.76	MG/KG	U
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Uranium	1.61	MG/KG	J-
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Vanadium	19.1	MG/KG	none
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Zinc	50.7	MG/KG	J
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Aluminum	2850	MG/KG	none
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Antimony	0.76	MG/KG	UJ

Table I-3.0-1 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Arsenic	3	MG/KG	U
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Barium	751	MG/KG	J
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Beryllium	0.2	MG/KG	U
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Cadmium	0.08	MG/KG	U
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Calcium	680	MG/KG	J
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Chromium, Total	4.2	MG/KG	J
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Cobalt	2.7	MG/KG	J
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Copper	12.1	MG/KG	none
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Cyanide, Total	0.24	MG/KG	UJ
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Iron	9220	MG/KG	none
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Lead	28.3	MG/KG	none
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Magnesium	479	MG/KG	J
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Manganese	165	MG/KG	J+
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Mercury	0.04	MG/KG	U
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Nickel	8.1	MG/KG	J-
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Nitrogen, Nitrate + Nitrite (Expressed as N)	0.5	MG/KG	U
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Potassium	399	MG/KG	J
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Selenium	0.45	MG/KG	U
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Silver	0.69	MG/KG	J
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Sodium	66.6	MG/KG	U
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Thallium	0.86	MG/KG	U
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Uranium	1.89	MG/KG	J-
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Vanadium	17	MG/KG	none
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Zinc	28.4	MG/KG	J
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Aluminum	8190	MG/KG	none
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Antimony	0.73	MG/KG	UJ
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Arsenic	3.7	MG/KG	U
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Barium	9030	MG/KG	J
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Beryllium	0.63	MG/KG	U

Table I-3.0-1 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Cadmium	0.07	MG/KG	U
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Calcium	2880	MG/KG	none
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Chromium, Total	9.5	MG/KG	J
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Cobalt	7.3	MG/KG	J
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Copper	57.8	MG/KG	none
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Cyanide, Total	0.27	MG/KG	UJ
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Iron	10700	MG/KG	none
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Lead	81	MG/KG	none
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Magnesium	1370	MG/KG	none
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Manganese	435	MG/KG	J+
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Mercury	0.14	MG/KG	J
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Nickel	67.5	MG/KG	J-
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Nitrogen, Nitrate + Nitrite (Expressed as N)	7.7	MG/KG	none
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Potassium	1160	MG/KG	J
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Selenium	0.44	MG/KG	U
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Silver	7.1	MG/KG	none
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Sodium	94.6	MG/KG	J
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Thallium	0.83	MG/KG	U
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Uranium	2.86	MG/KG	J-
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Vanadium	18.2	MG/KG	none
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Zinc	53.4	MG/KG	J
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Aluminum	9620	MG/KG	none
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Antimony	1.2	MG/KG	UJ
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Arsenic	3.9	MG/KG	U
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Barium	40300	MG/KG	J
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Beryllium	0.64	MG/KG	U
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Cadmium	0.12	MG/KG	U
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Calcium	6060	MG/KG	none
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Chromium, Total	8.4	MG/KG	J

Table I-3.0-1 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Cobalt	12.3	MG/KG	J
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Copper	50.3	MG/KG	none
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Cyanide, Total	1.5	MG/KG	UJ
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Iron	11100	MG/KG	none
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Lead	119	MG/KG	none
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Magnesium	2040	MG/KG	none
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Manganese	783	MG/KG	J+
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Mercury	0.21	MG/KG	none
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Nickel	30.1	MG/KG	J-
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Nitrogen, Nitrate + Nitrite (Expressed as N)	0.5	MG/KG	U
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Potassium	1510	MG/KG	J
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Selenium	1.3	MG/KG	U
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Silver	4.5	MG/KG	none
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Sodium	183	MG/KG	J
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Thallium	1.4	MG/KG	U
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Uranium	2.81	MG/KG	J-
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Vanadium	19.6	MG/KG	J
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Zinc	69.1	MG/KG	J
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Aluminum	2990	MG/KG	none
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Antimony	0.83	MG/KG	UJ
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Arsenic	2.1	MG/KG	U
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Barium	459	MG/KG	J
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Beryllium	0.17	MG/KG	U
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Cadmium	0.08	MG/KG	U
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Calcium	726	MG/KG	J
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Chromium, Total	2.6	MG/KG	J
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Cobalt	2.3	MG/KG	J
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Copper	3.4	MG/KG	J
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Cyanide, Total	0.3	MG/KG	UJ

Table I-3.0-1 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Iron	7210	MG/KG	none
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Lead	12.7	MG/KG	none
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Magnesium	420	MG/KG	J
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Manganese	585	MG/KG	J+
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Mercury	0.03	MG/KG	U
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Nickel	4.9	MG/KG	J-
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Nitrogen, Nitrate + Nitrite (Expressed as N)	0.5	MG/KG	U
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Potassium	417	MG/KG	J
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Selenium	0.52	MG/KG	U
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Silver	0.77	MG/KG	J
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Sodium	80.4	MG/KG	J
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Thallium	0.94	MG/KG	U
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Uranium	1.9	MG/KG	J-
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Vanadium	8.2	MG/KG	J
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Zinc	21.8	MG/KG	J
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Aluminum	5810	MG/KG	none
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Antimony	0.93	MG/KG	UJ
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Arsenic	2.5	MG/KG	U
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Barium	1940	MG/KG	J
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Beryllium	0.45	MG/KG	U
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Cadmium	0.09	MG/KG	U
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Calcium	1600	MG/KG	none
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Chromium, Total	4	MG/KG	J
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Cobalt	2.8	MG/KG	J
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Copper	8.1	MG/KG	none
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Cyanide, Total	0.3	MG/KG	UJ
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Iron	7380	MG/KG	none
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Lead	11.4	MG/KG	none
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Magnesium	820	MG/KG	J

Table I-3.0-1 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Manganese	215	MG/KG	J+
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Mercury	0.08	MG/KG	U
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Nickel	6.9	MG/KG	J-
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Nitrogen, Nitrate + Nitrite (Expressed as N)	2.6	MG/KG	none
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Potassium	795	MG/KG	none
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Selenium	0.56	MG/KG	U
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Silver	0.33	MG/KG	J
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Sodium	118	MG/KG	J
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Thallium	1.1	MG/KG	U
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Uranium	2.49	MG/KG	J-
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Vanadium	10.9	MG/KG	J
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Zinc	27.6	MG/KG	J
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Aluminum	7440	MG/KG	none
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Antimony	0.8	MG/KG	UJ
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Arsenic	4.4	MG/KG	U
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Barium	477	MG/KG	J
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Beryllium	0.72	MG/KG	U
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Cadmium	0.08	MG/KG	U
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Calcium	2750	MG/KG	none
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Chromium, Total	6.9	MG/KG	J
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Cobalt	8	MG/KG	J
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Copper	6.8	MG/KG	none
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Cyanide, Total	0.27	MG/KG	UJ
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Iron	13100	MG/KG	none
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Lead	15.6	MG/KG	none
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Magnesium	1520	MG/KG	none
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Manganese	1460	MG/KG	J+
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Mercury	0.05	MG/KG	U
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Nickel	7	MG/KG	J-

Table I-3.0-1 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Nitrogen, Nitrate + Nitrite (Expressed as N)	0.5	MG/KG	U
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Potassium	1170	MG/KG	J
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Selenium	1.4	MG/KG	none
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Silver	0.27	MG/KG	U
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Sodium	154	MG/KG	J
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Thallium	3.6	MG/KG	none
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Uranium	2.98	MG/KG	J-
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Vanadium	28	MG/KG	none
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Zinc	45.1	MG/KG	J
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Aluminum	9080	MG/KG	none
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Antimony	0.84	MG/KG	UJ
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Arsenic	3.7	MG/KG	U
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Barium	13300	MG/KG	J
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Beryllium	0.83	MG/KG	U
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Cadmium	0.08	MG/KG	U
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Calcium	2900	MG/KG	none
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Chromium, Total	8.5	MG/KG	J
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Cobalt	7	MG/KG	J
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Copper	29.5	MG/KG	none
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Cyanide, Total	0.27	MG/KG	UJ
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Iron	10900	MG/KG	none
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Lead	68.9	MG/KG	none
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Magnesium	1530	MG/KG	none
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Manganese	394	MG/KG	J+
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Mercury	0.09	MG/KG	J
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Nickel	30.2	MG/KG	J-
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Nitrogen, Nitrate + Nitrite (Expressed as N)	0.5	MG/KG	U
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Potassium	1150	MG/KG	J

Table I-3.0-1 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Selenium	0.5	MG/KG	U
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Silver	6.1	MG/KG	none
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Sodium	140	MG/KG	J
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Thallium	0.95	MG/KG	U
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Uranium	2.57	MG/KG	J-
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Vanadium	19.3	MG/KG	none
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Zinc	54.1	MG/KG	J
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Aluminum	9090	MG/KG	none
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Antimony	1.4	MG/KG	UJ
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Arsenic	4.1	MG/KG	U
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Barium	3520	MG/KG	J
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Beryllium	0.96	MG/KG	U
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Cadmium	0.14	MG/KG	U
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Calcium	3760	MG/KG	none
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Chromium, Total	8.1	MG/KG	J
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Cobalt	4.4	MG/KG	J
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Copper	27.9	MG/KG	none
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Cyanide, Total	0.44	MG/KG	UJ
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Iron	9550	MG/KG	none
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Lead	29.8	MG/KG	none
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Magnesium	1490	MG/KG	J
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Manganese	271	MG/KG	J+
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Mercury	0.14	MG/KG	J
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Nickel	20.2	MG/KG	J-
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Nitrogen, Nitrate + Nitrite (Expressed as N)	0.7	MG/KG	none
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Potassium	1060	MG/KG	J
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Selenium	0.83	MG/KG	U
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Silver	3.2	MG/KG	none
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Sodium	189	MG/KG	J

Table I-3.0-1 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Thallium	1.6	MG/KG	U
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Uranium	3.49	MG/KG	J-
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Vanadium	17.7	MG/KG	J
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Zinc	46.3	MG/KG	J
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Aluminum	7250	MG/KG	none
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Antimony	0.74	MG/KG	UJ
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Arsenic	3.3	MG/KG	U
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Barium	10700	MG/KG	J
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Beryllium	0.65	MG/KG	U
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Cadmium	0.07	MG/KG	U
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Calcium	1130	MG/KG	J
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Chromium, Total	7.4	MG/KG	J
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Cobalt	6.7	MG/KG	J
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Copper	25.1	MG/KG	none
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Cyanide, Total	0.69	MG/KG	UJ
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Iron	10700	MG/KG	none
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Lead	36	MG/KG	none
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Magnesium	1020	MG/KG	none
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Manganese	224	MG/KG	J+
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Mercury	0.1	MG/KG	J
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Nickel	35.2	MG/KG	J-
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Nitrogen, Nitrate + Nitrite (Expressed as N)	0.5	MG/KG	none
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Potassium	924	MG/KG	J
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Selenium	0.93	MG/KG	J
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Silver	4.8	MG/KG	none
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Sodium	95.4	MG/KG	J
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Thallium	0.84	MG/KG	U
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Uranium	2.41	MG/KG	J-
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Vanadium	18.2	MG/KG	none

Table I-3.0-1 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Zinc	38.2	MG/KG	J
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Aluminum	6460	MG/KG	none
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Antimony	0.88	MG/KG	UJ
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Arsenic	2.8	MG/KG	U
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Barium	3690	MG/KG	J
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Beryllium	0.59	MG/KG	U
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Cadmium	0.09	MG/KG	U
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Calcium	1960	MG/KG	none
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Chromium, Total	6.8	MG/KG	J
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Cobalt	4.2	MG/KG	J
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Copper	19	MG/KG	none
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Cyanide, Total	0.6	MG/KG	UJ
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Iron	8810	MG/KG	none
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Lead	23.3	MG/KG	none
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Magnesium	1010	MG/KG	J
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Manganese	152	MG/KG	J+
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Mercury	0.09	MG/KG	J
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Nickel	14	MG/KG	J-
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Nitrogen, Nitrate + Nitrite (Expressed as N)	0.5	MG/KG	U
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Potassium	805	MG/KG	J
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Selenium	1	MG/KG	U
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Silver	2.9	MG/KG	none
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Sodium	108	MG/KG	J
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Thallium	0.99	MG/KG	U
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Uranium	2.25	MG/KG	J-
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Vanadium	17.5	MG/KG	none
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Zinc	38.5	MG/KG	J
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Aluminum	8760	MG/KG	none
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Antimony	1	MG/KG	UJ

Table I-3.0-1 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Arsenic	4.1	MG/KG	U
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Barium	709	MG/KG	J
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Beryllium	0.81	MG/KG	U
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Cadmium	0.1	MG/KG	U
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Calcium	1570	MG/KG	J
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Chromium, Total	7.9	MG/KG	J
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Cobalt	5.7	MG/KG	J
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Copper	4.5	MG/KG	J
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Cyanide, Total	0.52	MG/KG	UJ
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Iron	12300	MG/KG	none
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Lead	17.7	MG/KG	none
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Magnesium	1550	MG/KG	J
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Manganese	381	MG/KG	J+
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Mercury	0.05	MG/KG	U
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Nickel	6.7	MG/KG	J-
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Nitrogen, Nitrate + Nitrite (Expressed as N)	0.5	MG/KG	U
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Potassium	1420	MG/KG	J
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Selenium	0.89	MG/KG	J
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Silver	0.34	MG/KG	U
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Sodium	202	MG/KG	J
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Thallium	1.2	MG/KG	U
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Uranium	1.69	MG/KG	J-
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Vanadium	15.8	MG/KG	J
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Zinc	35.9	MG/KG	J
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Aluminum	7960	MG/KG	none
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Antimony	1.1	MG/KG	UJ
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Arsenic	4.4	MG/KG	U
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Barium	2540	MG/KG	P
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Beryllium	0.73	MG/KG	U

Table I-3.0-1 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Cadmium	0.11	MG/KG	U
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Calcium	2040	MG/KG	none
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Chromium, Total	7	MG/KG	J
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Cobalt	6.1	MG/KG	J
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Copper	11.5	MG/KG	none
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Cyanide, Total	0.54	MG/KG	UJ
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Iron	13700	MG/KG	none
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Lead	19.7	MG/KG	none
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Magnesium	1370	MG/KG	J
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Manganese	714	MG/KG	J+
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Mercury	0.06	MG/KG	U
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Nickel	11.3	MG/KG	J-
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Nitrogen, Nitrate + Nitrite (Expressed as N)	4.8	MG/KG	none
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Potassium	1250	MG/KG	J
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Selenium	0.64	MG/KG	U
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Silver	0.98	MG/KG	none
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Sodium	204	MG/KG	J
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Thallium	2	MG/KG	J
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Uranium	2.01	MG/KG	J-
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Vanadium	17	MG/KG	J
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Zinc	42.4	MG/KG	J
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Aluminum	9380	MG/KG	none
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Antimony	1.2	MG/KG	UJ
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Arsenic	4.4	MG/KG	U
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Barium	6730	MG/KG	J
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Beryllium	0.88	MG/KG	U
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Cadmium	0.12	MG/KG	U
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Calcium	4030	MG/KG	none
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Chromium, Total	8.5	MG/KG	J

Table I-3.0-1 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Cobalt	6.3	MG/KG	J
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Copper	19.2	MG/KG	none
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Cyanide, Total	1.1	MG/KG	UJ
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Iron	12000	MG/KG	none
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Lead	32.9	MG/KG	none
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Magnesium	1810	MG/KG	J
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Manganese	581	MG/KG	J+
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Mercury	0.13	MG/KG	J
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Nickel	18	MG/KG	J-
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Nitrogen, Nitrate + Nitrite (Expressed as N)	0.8	MG/KG	none
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Potassium	1900	MG/KG	J
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Selenium	0.75	MG/KG	U
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Silver	2.8	MG/KG	none
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Sodium	241	MG/KG	J
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Thallium	1.4	MG/KG	U
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Uranium	2.62	MG/KG	J-
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Vanadium	18.5	MG/KG	J
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Zinc	55.5	MG/KG	J
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Aluminum	11100	MG/KG	none
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Antimony	1.3	MG/KG	UJ
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Arsenic	4.2	MG/KG	U
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Barium	5220	MG/KG	J
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Beryllium	0.99	MG/KG	U
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Cadmium	0.13	MG/KG	U
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Calcium	4220	MG/KG	none
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Chromium, Total	9.1	MG/KG	J
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Cobalt	7	MG/KG	J
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Copper	19.3	MG/KG	none
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Cyanide, Total	1.2	MG/KG	UJ

Table I-3.0-1 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Iron	14100	MG/KG	none
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Lead	29.4	MG/KG	none
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Magnesium	2000	MG/KG	J
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Manganese	540	MG/KG	J+
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Mercury	0.08	MG/KG	U
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Nickel	19.4	MG/KG	J-
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Nitrogen, Nitrate + Nitrite (Expressed as N)	0.8	MG/KG	none
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Potassium	1910	MG/KG	J
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Selenium	1.2	MG/KG	U
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Silver	2.3	MG/KG	none
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Sodium	269	MG/KG	none
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Thallium	1.4	MG/KG	U
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Uranium	2.71	MG/KG	J-
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Vanadium	20.4	MG/KG	J
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Zinc	64.7	MG/KG	J
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Aluminum	5510	MG/KG	none
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Antimony	0.8	MG/KG	UJ
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Arsenic	2.5	MG/KG	U
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Barium	6470	MG/KG	J
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Beryllium	0.54	MG/KG	U
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Cadmium	0.08	MG/KG	U
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Calcium	1320	MG/KG	J
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Chromium, Total	4.4	MG/KG	J
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Cobalt	4.5	MG/KG	J
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Copper	15.9	MG/KG	none
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Cyanide, Total	0.63	MG/KG	UJ
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Iron	9440	MG/KG	none
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Lead	23	MG/KG	none
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Magnesium	946	MG/KG	J

Table I-3.0-1 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Manganese	319	MG/KG	J+
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Mercury	0.06	MG/KG	U
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Nickel	5	MG/KG	J-
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Nitrogen, Nitrate + Nitrite (Expressed as N)	0.5	MG/KG	U
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Potassium	854	MG/KG	J
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Selenium	0.48	MG/KG	U
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Silver	2.1	MG/KG	none
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Sodium	152	MG/KG	J
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Thallium	0.9	MG/KG	U
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Uranium	1.73	MG/KG	J-
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Vanadium	9.9	MG/KG	J
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Zinc	54.9	MG/KG	J
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Aluminum	3810	MG/KG	none
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Antimony	0.74	MG/KG	UJ
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Arsenic	2.6	MG/KG	U
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Barium	469	MG/KG	P
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Beryllium	0.4	MG/KG	U
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Cadmium	0.07	MG/KG	U
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Calcium	1470	MG/KG	none
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Chromium, Total	3.1	MG/KG	J
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Cobalt	3.6	MG/KG	J
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Copper	8.7	MG/KG	none
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Cyanide, Total	0.46	MG/KG	UJ
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Iron	9060	MG/KG	none
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Lead	8.8	MG/KG	none
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Magnesium	1830	MG/KG	none
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Manganese	358	MG/KG	J+
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Mercury	0.04	MG/KG	U
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Nickel	6.9	MG/KG	J-

Table I-3.0-1 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Nitrogen, Nitrate + Nitrite (Expressed as N)	2.5	MG/KG	none
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Potassium	728	MG/KG	J
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Selenium	1.5	MG/KG	U
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Silver	0.25	MG/KG	none
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Sodium	305	MG/KG	J
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Thallium	0.88	MG/KG	J
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Uranium	1.131	MG/KG	J-
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Vanadium	10.3	MG/KG	J
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Zinc	39.7	MG/KG	J
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Aluminum	4420	MG/KG	none
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Antimony	0.7	MG/KG	UJ
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Arsenic	2.3	MG/KG	U
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Barium	1120	MG/KG	J
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Beryllium	0.33	MG/KG	U
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Cadmium	0.07	MG/KG	U
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Calcium	767	MG/KG	J
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Chromium, Total	4.2	MG/KG	J
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Cobalt	2.9	MG/KG	J
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Copper	15.4	MG/KG	none
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Cyanide, Total	0.66	MG/KG	UJ
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Iron	8510	MG/KG	none
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Lead	20.5	MG/KG	none
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Magnesium	682	MG/KG	J
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Manganese	282	MG/KG	J+
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Mercury	0.03	MG/KG	U
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Nickel	4.4	MG/KG	J-
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Nitrogen, Nitrate + Nitrite (Expressed as N)	0.5	MG/KG	none
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Potassium	603	MG/KG	J

Table I-3.0-1 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Selenium	0.45	MG/KG	U
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Silver	5.5	MG/KG	none
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Sodium	106	MG/KG	J
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Thallium	0.8	MG/KG	U
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Uranium	1.69	MG/KG	J-
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Vanadium	8.6	MG/KG	J
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Zinc	57.5	MG/KG	J
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Aluminum	3430	MG/KG	none
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Antimony	0.74	MG/KG	UJ
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Arsenic	2.8	MG/KG	U
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Barium	677	MG/KG	J
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Beryllium	0.33	MG/KG	U
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Cadmium	0.07	MG/KG	U
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Calcium	2170	MG/KG	none
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Chromium, Total	3	MG/KG	J
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Cobalt	4.6	MG/KG	J
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Copper	7.1	MG/KG	none
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Cyanide, Total	2.1	MG/KG	UJ
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Iron	7910	MG/KG	none
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Lead	13	MG/KG	none
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Magnesium	740	MG/KG	J
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Manganese	355	MG/KG	J+
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Mercury	0.39	MG/KG	none
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Nickel	4.7	MG/KG	J-
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Nitrogen, Nitrate + Nitrite (Expressed as N)	0.5	MG/KG	U
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Potassium	504	MG/KG	J
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Selenium	0.72	MG/KG	U
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Silver	0.47	MG/KG	J
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Sodium	116	MG/KG	J

Table I-3.0-1 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Thallium	0.84	MG/KG	U
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Uranium	1.63	MG/KG	J-
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Vanadium	11.3	MG/KG	J
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Zinc	41	MG/KG	J
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Aluminum	3260	MG/KG	none
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Antimony	0.79	MG/KG	UJ
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Arsenic	3.4	MG/KG	U
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Barium	672	MG/KG	J
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Beryllium	0.41	MG/KG	U
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Cadmium	0.08	MG/KG	U
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Calcium	806	MG/KG	J
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Chromium, Total	3.5	MG/KG	J
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Cobalt	21.6	MG/KG	none
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Copper	6.4	MG/KG	J
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Cyanide, Total	0.54	MG/KG	UJ
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Iron	9870	MG/KG	none
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Lead	19.2	MG/KG	none
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Magnesium	644	MG/KG	J
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Manganese	925	MG/KG	J+
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Mercury	0.04	MG/KG	U
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Nickel	7.1	MG/KG	J-
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Nitrogen, Nitrate + Nitrite (Expressed as N)	0.5	MG/KG	U
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Potassium	496	MG/KG	J
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Selenium	0.76	MG/KG	U
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Silver	0.26	MG/KG	U
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Sodium	89.3	MG/KG	J
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Thallium	2.6	MG/KG	J
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Uranium	1.264	MG/KG	J-
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Vanadium	15.6	MG/KG	none

Table I-3.0-1 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Zinc	38	MG/KG	J
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Aluminum	1800	MG/KG	none
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Antimony	0.74	MG/KG	UJ
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Arsenic	1.5	MG/KG	U
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Barium	353	MG/KG	J
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Beryllium	0.16	MG/KG	U
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Cadmium	0.07	MG/KG	U
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Calcium	412	MG/KG	J
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Chromium, Total	1.8	MG/KG	J
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Cobalt	1.5	MG/KG	J
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Copper	6.9	MG/KG	none
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Cyanide, Total	0.75	MG/KG	UJ
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Iron	4300	MG/KG	none
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Lead	7.3	MG/KG	none
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Magnesium	438	MG/KG	J
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Manganese	143	MG/KG	J+
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Mercury	0.03	MG/KG	U
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Nickel	2.2	MG/KG	J-
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Nitrogen, Nitrate + Nitrite (Expressed as N)	0.5	MG/KG	U
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Potassium	328	MG/KG	J
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Selenium	0.45	MG/KG	U
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Silver	0.36	MG/KG	J
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Sodium	66.8	MG/KG	U
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Thallium	0.84	MG/KG	U
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Uranium	1.091	MG/KG	J-
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Vanadium	4.7	MG/KG	J
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Zinc	21.1	MG/KG	J
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Aluminum	3200	MG/KG	none
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Antimony	0.89	MG/KG	UJ

Table I-3.0-1 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Arsenic	2.3	MG/KG	U
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Barium	1050	MG/KG	J
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Beryllium	0.26	MG/KG	U
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Cadmium	0.09	MG/KG	U
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Calcium	566	MG/KG	J
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Chromium, Total	3.1	MG/KG	J
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Cobalt	3.8	MG/KG	J
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Copper	8.2	MG/KG	none
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Cyanide, Total	0.61	MG/KG	UJ
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Iron	7360	MG/KG	none
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Lead	12	MG/KG	none
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Magnesium	770	MG/KG	J
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Manganese	299	MG/KG	J+
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Mercury	0.04	MG/KG	U
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Nickel	4.1	MG/KG	J-
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Nitrogen, Nitrate + Nitrite (Expressed as N)	0.5	MG/KG	U
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Potassium	639	MG/KG	J
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Selenium	0.54	MG/KG	U
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Silver	0.41	MG/KG	J
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Sodium	103	MG/KG	J
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Thallium	1	MG/KG	U
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Uranium	1.81	MG/KG	J-
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Vanadium	8.2	MG/KG	J
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Zinc	38.5	MG/KG	J
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Aluminum	3140	MG/KG	none
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Antimony	1.8	MG/KG	UJ
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Arsenic	7.2	MG/KG	none
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Barium	1640	MG/KG	J
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Beryllium	0.64	MG/KG	U

Table I-3.0-1 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Cadmium	0.08	MG/KG	U
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Calcium	955	MG/KG	J
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Chromium, Total	4.2	MG/KG	J
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Cobalt	19.8	MG/KG	none
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Copper	5.1	MG/KG	J
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Cyanide, Total	2.1	MG/KG	UJ
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Iron	14800	MG/KG	none
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Lead	35.4	MG/KG	none
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Magnesium	555	MG/KG	J
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Manganese	1910	MG/KG	J+
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Mercury	0.04	MG/KG	U
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Nickel	10.1	MG/KG	UJ
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Nitrogen, Nitrate + Nitrite (Expressed as N)	0.5	MG/KG	U
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Potassium	467	MG/KG	J
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Selenium	1.6	MG/KG	U
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Silver	0.28	MG/KG	U
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Sodium	121	MG/KG	J
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Thallium	7.1	MG/KG	none
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Uranium	1.47	MG/KG	J-
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Vanadium	26.5	MG/KG	none
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Zinc	39.6	MG/KG	J
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Aluminum	6860	MG/KG	none
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Antimony	0.84	MG/KG	UJ
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Arsenic	2.7	MG/KG	U
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Barium	2880	MG/KG	J
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Beryllium	0.38	MG/KG	U
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Cadmium	0.08	MG/KG	U
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Calcium	1420	MG/KG	none
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Chromium, Total	5.5	MG/KG	J

Table I-3.0-1 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Cobalt	2.9	MG/KG	J
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Copper	31.1	MG/KG	none
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Cyanide, Total	0.69	MG/KG	UJ
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Iron	9080	MG/KG	none
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Lead	15	MG/KG	none
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Magnesium	1050	MG/KG	J
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Manganese	170	MG/KG	J+
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Mercury	0.13	MG/KG	J
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Nickel	6	MG/KG	J-
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Nitrogen, Nitrate + Nitrite (Expressed as N)	0.5	MG/KG	U
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Potassium	757	MG/KG	J
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Selenium	1.1	MG/KG	U
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Silver	0.97	MG/KG	J
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Sodium	311	MG/KG	J
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Thallium	0.95	MG/KG	U
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Uranium	1.051	MG/KG	J-
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Vanadium	10.2	MG/KG	J
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Zinc	53.9	MG/KG	J
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Aluminum	2470	MG/KG	none
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Antimony	0.72	MG/KG	UJ
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Arsenic	2.3	MG/KG	U
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Barium	477	MG/KG	J
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Beryllium	0.22	MG/KG	U
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Cadmium	0.07	MG/KG	U
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Calcium	517	MG/KG	J
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Chromium, Total	2.7	MG/KG	J
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Cobalt	1.6	MG/KG	J
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Copper	4.5	MG/KG	J
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Cyanide, Total	0.69	MG/KG	UJ

Table I-3.0-1 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Iron	5740	MG/KG	none
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Lead	8.5	MG/KG	none
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Magnesium	558	MG/KG	J
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Manganese	121	MG/KG	J+
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Mercury	0.03	MG/KG	U
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Nickel	2.7	MG/KG	J-
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Nitrogen, Nitrate + Nitrite (Expressed as N)	0.8	MG/KG	none
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Potassium	435	MG/KG	J
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Selenium	0.61	MG/KG	U
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Silver	0.28	MG/KG	J
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Sodium	74.9	MG/KG	J
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Thallium	0.81	MG/KG	U
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Uranium	1.43	MG/KG	J-
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Vanadium	7.2	MG/KG	J
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Zinc	26.3	MG/KG	J
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Aluminum	11400	MG/KG	none
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Antimony	1.6	MG/KG	UJ
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Arsenic	4.7	MG/KG	U
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Barium	6000	MG/KG	J
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Beryllium	1.1	MG/KG	U
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Cadmium	0.38	MG/KG	U
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Calcium	3170	MG/KG	none
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Chromium, Total	10	MG/KG	J
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Cobalt	6.1	MG/KG	J
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Copper	53.1	MG/KG	none
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Cyanide, Total	2.9	MG/KG	UJ
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Iron	14100	MG/KG	none
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Lead	50.1	MG/KG	none
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Magnesium	1870	MG/KG	none

Table I-3.0-1 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Manganese	447	MG/KG	J+
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Mercury	0.21	MG/KG	none
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Nickel	12.3	MG/KG	J-
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Potassium	1650	MG/KG	J
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Selenium	1.2	MG/KG	U
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Silver	5.6	MG/KG	none
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Sodium	224	MG/KG	J
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Thallium	1.2	MG/KG	U
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Uranium	3.91	MG/KG	J-
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Vanadium	18.2	MG/KG	none
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Zinc	117	MG/KG	J
16-018	16-1001	AAB1609	NAv[a]	NAv	NAv	SED	Aluminum	6300	MG/KG	none
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	Antimony	0.2	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	Arsenic	3	MG/KG	none
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	Barium	3000	MG/KG	none
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	Beryllium	0.6	MG/KG	none
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	Cadmium	0.4	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	Calcium	1900	MG/KG	none
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	Chromium, Total	5.5	MG/KG	none
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	Cobalt	5.8	MG/KG	none
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	Copper	11	MG/KG	none
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	Iron	8200	MG/KG	none
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	Lead	19	MG/KG	none
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	Magnesium	950	MG/KG	none
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	Manganese	200	MG/KG	none
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	Mercury	0.1	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	Nickel	9.6	MG/KG	none
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	Potassium	680	MG/KG	none
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	Selenium	0.6	MG/KG	none
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	Silver	1	MG/KG	U

Table I-3.0-1 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	Sodium	160	MG/KG	none
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	Thallium	0.2	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	Vanadium	13	MG/KG	none
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	Zinc	25	MG/KG	none
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	Aluminum	12000	MG/KG	none
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	Antimony	0.2	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	Barium	4300	MG/KG	none
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	Beryllium	0.99	MG/KG	none
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	Cadmium	0.4	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	Calcium	4200	MG/KG	none
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	Chromium, Total	12	MG/KG	none
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	Cobalt	6.3	MG/KG	none
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	Copper	20	MG/KG	none
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	Iron	10000	MG/KG	none
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	Lead	24	MG/KG	none
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	Magnesium	1900	MG/KG	none
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	Manganese	230	MG/KG	none
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	Mercury	0.14	MG/KG	none
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	Nickel	18	MG/KG	none
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	Potassium	1300	MG/KG	none
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	Selenium	3	MG/KG	none
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	Silver	1	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	Sodium	230	MG/KG	none
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	Thallium	0.3	MG/KG	none
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	Vanadium	21	MG/KG	none
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	Zinc	46	MG/KG	none
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	Aluminum	4700	MG/KG	none
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	Antimony	0.2	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	Arsenic	3.1	MG/KG	none
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	Barium	2300	MG/KG	none

Table I-3.0-1 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	Beryllium	0.45	MG/KG	none
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	Cadmium	0.51	MG/KG	none
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	Calcium	1600	MG/KG	none
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	Chromium, Total	4.7	MG/KG	none
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	Cobalt	2.6	MG/KG	none
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	Copper	11	MG/KG	none
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	Iron	6900	MG/KG	none
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	Lead	20	MG/KG	none
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	Magnesium	710	MG/KG	none
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	Manganese	230	MG/KG	none
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	Mercury	0.22	MG/KG	none
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	Nickel	7.9	MG/KG	none
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	Potassium	540	MG/KG	none
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	Selenium	0.3	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	Silver	1	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	Sodium	120	MG/KG	none
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	Thallium	0.2	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	Vanadium	11	MG/KG	none
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	Zinc	27	MG/KG	none
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	Aluminum	6400	MG/KG	none
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	Antimony	0.2	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	Arsenic	3	MG/KG	none
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	Barium	850	MG/KG	none
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	Beryllium	0.62	MG/KG	none
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	Cadmium	0.4	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	Calcium	1700	MG/KG	none
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	Chromium, Total	5.2	MG/KG	none
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	Cobalt	4.1	MG/KG	none
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	Copper	3.9	MG/KG	none
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	Iron	8800	MG/KG	none

Table I-3.0-1 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	Lead	15	MG/KG	none
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	Magnesium	1300	MG/KG	none
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	Manganese	310	MG/KG	none
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	Mercury	0.1	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	Nickel	3.4	MG/KG	none
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	Potassium	1100	MG/KG	none
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	Selenium	0.3	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	Silver	1	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	Sodium	260	MG/KG	none
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	Thallium	0.2	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	Vanadium	9.5	MG/KG	none
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	Zinc	29	MG/KG	none
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	Aluminum	9400	MG/KG	none
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	Antimony	0.2	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	Arsenic	3	MG/KG	none
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	Barium	1900	MG/KG	none
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	Beryllium	0.65	MG/KG	none
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	Cadmium	0.4	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	Calcium	2400	MG/KG	none
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	Chromium, Total	7.6	MG/KG	none
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	Cobalt	8.1	MG/KG	none
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	Copper	16	MG/KG	none
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	Iron	10000	MG/KG	none
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	Lead	21	MG/KG	none
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	Magnesium	1300	MG/KG	none
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	Manganese	1600	MG/KG	none
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	Mercury	0.1	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	Nickel	11	MG/KG	none
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	Potassium	1100	MG/KG	none
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	Selenium	0.8	MG/KG	none

Table I-3.0-1 (concluded)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	Silver	1	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	Sodium	300	MG/KG	none
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	Thallium	0.2	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	Vanadium	15	MG/KG	none
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	Zinc	77	MG/KG	none
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	Aluminum	4800	MG/KG	none
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	Antimony	0.2	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	Arsenic	2	MG/KG	none
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	Barium	1000	MG/KG	none
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	Beryllium	0.36	MG/KG	none
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	Cadmium	0.4	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	Calcium	1100	MG/KG	none
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	Chromium, Total	4.3	MG/KG	none
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	Cobalt	2.7	MG/KG	none
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	Copper	11	MG/KG	none
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	Iron	7000	MG/KG	none
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	Lead	18	MG/KG	none
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	Magnesium	800	MG/KG	none
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	Manganese	380	MG/KG	none
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	Mercury	0.1	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	Nickel	2	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	Potassium	660	MG/KG	none
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	Selenium	0.3	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	Silver	1	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	Sodium	230	MG/KG	none
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	Thallium	0.2	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	Vanadium	8.5	MG/KG	none
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	Zinc	39	MG/KG	none

* NAv = Not available.

Table I-3.0-2
Radionuclides in Surface Sediments Samples

Prs ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Actinium-228	1.26	PCI/G	U
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Americium-241	0.0631	PCI/G	U
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Annihilation Radiation	0.064	PCI/G	U
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Barium-140	0.182	PCI/G	U
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Bismuth-211	0.0847	PCI/G	U
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Bismuth-212	1.21	PCI/G	U
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Bismuth-214	0.895	PCI/G	U
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Cadmium-109	1.95	PCI/G	U
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Cerium-139	0.001	PCI/G	U
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Cerium-144	-0.0074	PCI/G	U
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Cesium-134	0.0015	PCI/G	U
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Cesium-137	1.06	PCI/G	none
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Cobalt-57	-0.001	PCI/G	U
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Cobalt-60	0.016	PCI/G	U
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Europium-152	-0.063	PCI/G	U
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Lanthanum-140	0.989	PCI/G	U
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Lead-211	0.13	PCI/G	U
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Lead-212	1.37	PCI/G	none
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Lead-214	0.859	PCI/G	none
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Manganese-54	-0.0217	PCI/G	U
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Mercury-203	0.0174	PCI/G	U
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Neptunium-237	-0.0524	PCI/G	U
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Potassium-40	25.6	PCI/G	none
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Protactinium-231	1.98	PCI/G	U
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Protactinium-233	0.0236	PCI/G	U
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Protactinium-234M	3.98	PCI/G	U
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Radium-223	-0.245	PCI/G	U

Table I-3.0-2 (continued)

Prs ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Radium-224	1.55	PCI/G	U
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Radium-226	3.56	PCI/G	none
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Radon-219	0.118	PCI/G	U
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Ruthenium-106	0.102	PCI/G	U
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Selenium-75	-0.0149	PCI/G	U
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Sodium-22	0.0171	PCI/G	U
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Strontium-85	-0.129	PCI/G	U
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Thallium-208	0.37	PCI/G	U
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Thorium-227	-2.42	PCI/G	U
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Thorium-234	-4.63	PCI/G	U
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Tin-113	0.0079	PCI/G	U
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Uranium-235	0.122	PCI/G	U
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Yttrium-88	-0.0172	PCI/G	U
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Zinc-65	-0.0047	PCI/G	U
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Actinium-228	1.08	PCI/G	none
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Americium-241	0.0354	PCI/G	U
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Annihilation Radiation	0.0732	PCI/G	U
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Barium-140	0.0636	PCI/G	U
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Bismuth-211	0.324	PCI/G	U
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Bismuth-212	0.804	PCI/G	U
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Bismuth-214	0.775	PCI/G	none
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Cadmium-109	1.75	PCI/G	U
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Cerium-139	0	PCI/G	U
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Cerium-144	-0.0076	PCI/G	U
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Cesium-134	-0.0132	PCI/G	U
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Cesium-137	0.0194	PCI/G	U
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Cobalt-57	-0.001	PCI/G	U
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Cobalt-60	-0.0328	PCI/G	U

Table I-3.0-2 (continued)

Prs ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Europium-152	-0.0473	PCI/G	U
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Lanthanum-140	-0.233	PCI/G	U
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Lead-211	-0.009	PCI/G	U
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Lead-212	1.19	PCI/G	none
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Lead-214	0.732	PCI/G	none
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Manganese-54	-0.0029	PCI/G	U
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Mercury-203	0.0102	PCI/G	U
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Neptunium-237	0.744	PCI/G	none
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Potassium-40	25.3	PCI/G	none
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Protactinium-231	0.894	PCI/G	U
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Protactinium-233	0.0122	PCI/G	U
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Protactinium-234M	3.8	PCI/G	U
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Radium-223	-0.0568	PCI/G	U
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Radium-224	1.29	PCI/G	U
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Radium-226	1.63	PCI/G	U
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Radon-219	-0.0625	PCI/G	U
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Ruthenium-106	0.0214	PCI/G	U
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Selenium-75	-0.0245	PCI/G	U
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Sodium-22	0.0044	PCI/G	U
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Strontium-85	-0.0503	PCI/G	U
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Thallium-208	0.379	PCI/G	U
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Thorium-227	-0.104	PCI/G	U
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Thorium-234	-1.85	PCI/G	U
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Tin-113	0.0082	PCI/G	U
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Uranium-235	0.1	PCI/G	U
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Yttrium-88	-0.0139	PCI/G	U
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Zinc-65	0.0876	PCI/G	U
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Actinium-228	0.977	PCI/G	none
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Americium-241	-0.0888	PCI/G	U

Table I-3.0-2 (continued)

Prs ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Annihilation Radiation	0.0782	PCI/G	U
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Barium-140	-0.117	PCI/G	U
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Bismuth-211	0	PCI/G	U
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Bismuth-212	0.94	PCI/G	U
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Bismuth-214	0.772	PCI/G	none
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Cadmium-109	0.917	PCI/G	U
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Cerium-139	-0.0123	PCI/G	U
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Cerium-144	0.105	PCI/G	U
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Cesium-134	0.0069	PCI/G	U
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Cesium-137	0.0528	PCI/G	U
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Cobalt-57	0.0162	PCI/G	U
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Cobalt-60	0.0073	PCI/G	U
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Europium-152	-0.0066	PCI/G	U
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Lanthanum-140	0.206	PCI/G	U
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Lead-211	-0.127	PCI/G	U
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Lead-212	1.02	PCI/G	U
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Lead-214	0.689	PCI/G	U
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Manganese-54	0.0082	PCI/G	U
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Mercury-203	-0.0337	PCI/G	U
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Neptunium-237	-0.0362	PCI/G	U
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Potassium-40	20.1	PCI/G	none
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Protactinium-231	1.11	PCI/G	U
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Protactinium-233	-0.034	PCI/G	U
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Protactinium-234M	8.42	PCI/G	U
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Radium-223	0.168	PCI/G	U
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Radium-224	1.34	PCI/G	U
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Radium-226	2.73	PCI/G	U
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Radon-219	0.0167	PCI/G	U
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Ruthenium-106	-0.0998	PCI/G	U

Table I-3.0-2 (continued)

Prs ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Selenium-75	-0.0029	PCI/G	U
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Sodium-22	-0.0105	PCI/G	U
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Strontium-85	-0.0992	PCI/G	U
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Thallium-208	0.373	PCI/G	U
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Thorium-227	-0.394	PCI/G	U
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Thorium-234	-2.88	PCI/G	U
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Tin-113	-0.0062	PCI/G	U
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Uranium-235	0.134	PCI/G	U
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Yttrium-88	0.0142	PCI/G	U
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Zinc-65	-0.0235	PCI/G	U
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Actinium-228	0.952	PCI/G	none
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Americium-241	0.0169	PCI/G	U
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Annihilation Radiation	0.0958	PCI/G	U
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Barium-140	0.0794	PCI/G	U
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Bismuth-211	0.0097	PCI/G	U
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Bismuth-212	0.407	PCI/G	U
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Bismuth-214	0.784	PCI/G	U
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Cadmium-109	1.2	PCI/G	U
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Cerium-139	0.0023	PCI/G	U
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Cerium-144	0.0399	PCI/G	U
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Cesium-134	0.0318	PCI/G	U
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Cesium-137	0.0605	PCI/G	U
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Cobalt-57	-0.0181	PCI/G	U
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Cobalt-60	-0.007	PCI/G	U
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Europium-152	0.0021	PCI/G	U
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Lanthanum-140	0.333	PCI/G	U
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Lead-211	-0.123	PCI/G	U
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Lead-212	0.972	PCI/G	none
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Lead-214	0.68	PCI/G	none

Table I-3.0-2 (continued)

Prs ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Manganese-54	0.016	PCI/G	U
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Mercury-203	0.0113	PCI/G	U
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Neptunium-237	0.35	PCI/G	U
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Potassium-40	24.7	PCI/G	none
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Protactinium-231	0.939	PCI/G	U
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Protactinium-233	0.001	PCI/G	U
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Protactinium-234M	2.54	PCI/G	U
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Radium-223	0.128	PCI/G	U
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Radium-224	1.24	PCI/G	none
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Radium-226	1.01	PCI/G	none
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Radon-219	-0.147	PCI/G	U
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Ruthenium-106	0.0306	PCI/G	U
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Selenium-75	0.0241	PCI/G	U
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Sodium-22	0.0251	PCI/G	U
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Strontium-85	-0.0624	PCI/G	U
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Thallium-208	0.304	PCI/G	none
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Thorium-227	-0.0617	PCI/G	U
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Thorium-234	-1.15	PCI/G	U
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Tin-113	0.0083	PCI/G	U
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Uranium-235	0.0511	PCI/G	U
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Yttrium-88	0.0085	PCI/G	U
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Zinc-65	-0.0347	PCI/G	U
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Actinium-228	1.06	PCI/G	none
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Americium-241	0.101	PCI/G	U
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Annihilation Radiation	0.0906	PCI/G	U
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Barium-140	-0.116	PCI/G	U
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Bismuth-211	0	PCI/G	U
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Bismuth-212	0.273	PCI/G	U
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Bismuth-214	0.803	PCI/G	none

Table I-3.0-2 (continued)

Prs ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Cadmium-109	1.73	PCI/G	none
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Cerium-139	-0.0169	PCI/G	U
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Cerium-144	-0.0472	PCI/G	U
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Cesium-134	0.0107	PCI/G	U
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Cesium-137	0.0696	PCI/G	U
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Cobalt-57	-0.0036	PCI/G	U
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Cobalt-60	0.0016	PCI/G	U
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Europium-152	0.0185	PCI/G	U
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Lanthanum-140	-5.38	PCI/G	U
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Lead-211	-0.278	PCI/G	U
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Lead-212	0.915	PCI/G	none
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Lead-214	0.725	PCI/G	none
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Manganese-54	-0.0146	PCI/G	U
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Mercury-203	-0.0077	PCI/G	U
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Neptunium-237	-0.358	PCI/G	U
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Potassium-40	26.9	PCI/G	none
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Protactinium-231	1.32	PCI/G	U
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Protactinium-233	0.0542	PCI/G	U
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Protactinium-234M	5.96	PCI/G	U
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Radium-223	-0.333	PCI/G	U
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Radium-224	0.565	PCI/G	U
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Radium-226	1.36	PCI/G	U
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Radon-219	0.167	PCI/G	U
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Ruthenium-106	-0.0998	PCI/G	U
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Selenium-75	-0.0012	PCI/G	U
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Sodium-22	0.0124	PCI/G	U
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Strontium-85	-0.0856	PCI/G	U
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Thallium-208	0.296	PCI/G	none
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Thorium-227	-0.101	PCI/G	U

Table I-3.0-2 (continued)

Prs ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Thorium-234	-1.22	PCI/G	U
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Tin-113	-0.001	PCI/G	U
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Uranium-235	-0.0197	PCI/G	U
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Yttrium-88	-0.0173	PCI/G	U
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Zinc-65	0.0023	PCI/G	U
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Actinium-228	0.877	PCI/G	none
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Americium-241	0.0242	PCI/G	U
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Annihilation Radiation	0.104	PCI/G	U
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Barium-140	-0.0393	PCI/G	U
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Bismuth-211	0	PCI/G	U
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Bismuth-212	0.9	PCI/G	U
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Bismuth-214	0.557	PCI/G	none
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Cadmium-109	1.28	PCI/G	U
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Cerium-139	0.001	PCI/G	U
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Cerium-144	0.0221	PCI/G	U
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Cesium-134	-0.0019	PCI/G	U
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Cesium-137	0.0325	PCI/G	U
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Cobalt-57	0.0132	PCI/G	U
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Cobalt-60	-0.0045	PCI/G	U
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Europium-152	-0.0032	PCI/G	U
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Lanthanum-140	-1.7	PCI/G	U
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Lead-211	-0.452	PCI/G	U
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Lead-212	0.89	PCI/G	none
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Lead-214	0.627	PCI/G	none
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Manganese-54	-0.007	PCI/G	U
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Mercury-203	-0.0094	PCI/G	U
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Neptunium-237	-0.294	PCI/G	U
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Potassium-40	25.6	PCI/G	none
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Protactinium-231	1.3	PCI/G	U

Table I-3.0-2 (continued)

Prs ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Protactinium-233	-0.0051	PCI/G	U
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Protactinium-234M	0.747	PCI/G	U
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Radium-223	0.0939	PCI/G	U
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Radium-224	0.762	PCI/G	none
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Radium-226	0	PCI/G	none
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Radon-219	0.412	PCI/G	U
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Ruthenium-106	0.0766	PCI/G	U
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Selenium-75	0.0123	PCI/G	U
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Sodium-22	0.0201	PCI/G	U
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Strontium-85	-0.0474	PCI/G	U
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Thallium-208	0.294	PCI/G	none
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Thorium-227	0	PCI/G	U
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Thorium-234	-1.84	PCI/G	U
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Tin-113	0.0051	PCI/G	U
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Uranium-235	0.11	PCI/G	U
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Yttrium-88	0.005	PCI/G	U
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Zinc-65	0.0615	PCI/G	U
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Actinium-228	0.946	PCI/G	none
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Americium-241	0.0139	PCI/G	U
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Annihilation Radiation	-0.0338	PCI/G	U
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Barium-140	0.0715	PCI/G	U
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Bismuth-211	0.0066	PCI/G	U
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Bismuth-212	0.618	PCI/G	U
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Bismuth-214	0.674	PCI/G	none
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Cadmium-109	1.5	PCI/G	U
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Cerium-139	0.0016	PCI/G	U
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Cerium-144	-0.0439	PCI/G	U
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Cesium-134	0.0034	PCI/G	U
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Cesium-137	0.0507	PCI/G	U

Table I-3.0-2 (continued)

Prs ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Cobalt-57	-0.001	PCI/G	U
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Cobalt-60	0.0158	PCI/G	U
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Europium-152	-0.0075	PCI/G	U
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Lanthanum-140	-7.15	PCI/G	U
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Lead-211	0.508	PCI/G	U
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Lead-212	0.947	PCI/G	none
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Lead-214	0.781	PCI/G	none
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Manganese-54	-0.0044	PCI/G	U
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Mercury-203	0.0068	PCI/G	U
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Neptunium-237	0.76	PCI/G	none
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Potassium-40	26.1	PCI/G	none
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Protactinium-231	1.06	PCI/G	U
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Protactinium-233	0.0223	PCI/G	U
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Protactinium-234M	7.23	PCI/G	U
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Radium-223	0.513	PCI/G	U
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Radium-224	1.03	PCI/G	U
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Radium-226	1.96	PCI/G	U
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Radon-219	0.195	PCI/G	U
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Ruthenium-106	0.0468	PCI/G	U
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Selenium-75	-0.0112	PCI/G	U
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Sodium-22	-0.0509	PCI/G	U
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Strontium-85	-0.0564	PCI/G	U
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Thallium-208	0.323	PCI/G	none
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Thorium-227	-0.0232	PCI/G	U
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Thorium-234	-0.342	PCI/G	U
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Tin-113	0.0182	PCI/G	U
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Uranium-235	0.0766	PCI/G	U
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Yttrium-88	0.0341	PCI/G	U
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Zinc-65	-0.0578	PCI/G	U

Table I-3.0-2 (continued)

Prs ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Actinium-228	1.08	PCI/G	none
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Americium-241	-0.0389	PCI/G	U
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Annihilation Radiation	-0.213	PCI/G	U
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Barium-140	-0.0638	PCI/G	U
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Bismuth-211	0.0207	PCI/G	U
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Bismuth-212	0.334	PCI/G	U
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Bismuth-214	0.675	PCI/G	none
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Cadmium-109	1.54	PCI/G	U
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Cerium-139	-0.0018	PCI/G	U
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Cerium-144	0.013	PCI/G	U
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Cesium-134	0.0172	PCI/G	U
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Cesium-137	0.376	PCI/G	none
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Cobalt-57	-0.0045	PCI/G	U
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Cobalt-60	-0.0079	PCI/G	U
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Europium-152	0.0162	PCI/G	U
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Lanthanum-140	-3.72	PCI/G	U
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Lead-211	0.0325	PCI/G	U
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Lead-212	1.08	PCI/G	none
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Lead-214	0.759	PCI/G	none
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Manganese-54	-0.0079	PCI/G	U
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Mercury-203	-0.0164	PCI/G	U
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Neptunium-237	0.445	PCI/G	U
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Potassium-40	21.4	PCI/G	none
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Protactinium-231	1.17	PCI/G	U
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Protactinium-233	-0.033	PCI/G	U
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Protactinium-234M	-0.648	PCI/G	U
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Radium-223	0.0038	PCI/G	U
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Radium-224	0.581	PCI/G	U
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Radium-226	2.52	PCI/G	none

Table I-3.0-2 (continued)

Prs ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Radon-219	0.109	PCI/G	U
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Ruthenium-106	-0.0074	PCI/G	U
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Selenium-75	0.019	PCI/G	U
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Sodium-22	0.0192	PCI/G	U
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Strontium-85	-0.035	PCI/G	U
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Thallium-208	0.349	PCI/G	none
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Thorium-227	-2.46	PCI/G	U
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Thorium-234	-4.26	PCI/G	U
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Tin-113	-0.0156	PCI/G	U
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Uranium-235	0.0714	PCI/G	U
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Yttrium-88	-0.0341	PCI/G	U
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Zinc-65	-0.0168	PCI/G	U
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Actinium-228	1.31	PCI/G	none
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Americium-241	-0.14	PCI/G	U
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Annihilation Radiation	0.154	PCI/G	U
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Barium-140	-0.161	PCI/G	U
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Bismuth-211	0	PCI/G	U
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Bismuth-212	-0.701	PCI/G	U
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Bismuth-214	0.692	PCI/G	none
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Cadmium-109	0.579	PCI/G	U
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Cerium-139	0.0197	PCI/G	U
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Cerium-144	-0.17	PCI/G	U
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Cesium-134	0.0039	PCI/G	U
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Cesium-137	0.408	PCI/G	none
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Cobalt-57	0.0176	PCI/G	U
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Cobalt-60	0.0023	PCI/G	U
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Europium-152	0.122	PCI/G	U
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Lanthanum-140	-5.14	PCI/G	U
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Lead-211	0.304	PCI/G	U

Table I-3.0-2 (continued)

Prs ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Lead-212	1.36	PCI/G	none
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Lead-214	0.984	PCI/G	none
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Manganese-54	-0.0223	PCI/G	U
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Mercury-203	0.0312	PCI/G	U
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Neptunium-237	0.0099	PCI/G	U
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Potassium-40	16.2	PCI/G	none
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Protactinium-231	3.18	PCI/G	U
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Protactinium-233	-0.0288	PCI/G	U
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Protactinium-234M	7.95	PCI/G	U
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Radium-223	0.348	PCI/G	U
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Radium-224	1.19	PCI/G	U
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Radium-226	2.83	PCI/G	U
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Radon-219	0.164	PCI/G	U
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Ruthenium-106	0.101	PCI/G	U
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Selenium-75	0.0054	PCI/G	U
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Sodium-22	0.0182	PCI/G	U
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Strontium-85	-0.0697	PCI/G	U
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Thallium-208	0.443	PCI/G	none
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Thorium-227	-0.839	PCI/G	U
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Thorium-234	-3.47	PCI/G	U
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Tin-113	0.029	PCI/G	U
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Uranium-235	0.136	PCI/G	U
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Yttrium-88	-0.0083	PCI/G	U
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Zinc-65	0.0329	PCI/G	U
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Actinium-228	1.2	PCI/G	none
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Americium-241	-0.0387	PCI/G	U
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Annihilation Radiation	-0.0739	PCI/G	U
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Barium-140	0.113	PCI/G	U
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Bismuth-211	0.218	PCI/G	U

Table I-3.0-2 (continued)

Prs ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Bismuth-212	0.567	PCI/G	U
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Bismuth-214	0.76	PCI/G	none
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Cadmium-109	1.07	PCI/G	U
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Cerium-139	-0.0059	PCI/G	U
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Cerium-144	-0.0369	PCI/G	U
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Cesium-134	0.0184	PCI/G	U
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Cesium-137	0.0696	PCI/G	U
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Cobalt-57	0.0143	PCI/G	U
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Cobalt-60	0.008	PCI/G	U
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Europium-152	0.0478	PCI/G	U
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Lanthanum-140	-0.432	PCI/G	U
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Lead-211	0.728	PCI/G	U
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Lead-212	1.16	PCI/G	none
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Lead-214	0.841	PCI/G	none
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Manganese-54	0.0018	PCI/G	U
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Mercury-203	-0.0323	PCI/G	U
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Neptunium-237	-0.318	PCI/G	U
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Potassium-40	29.6	PCI/G	none
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Protactinium-231	1.48	PCI/G	U
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Protactinium-233	-0.0392	PCI/G	U
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Protactinium-234M	1.01	PCI/G	U
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Radium-223	0.468	PCI/G	U
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Radium-224	0.675	PCI/G	U
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Radium-226	0.808	PCI/G	U
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Radon-219	0.0276	PCI/G	U
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Ruthenium-106	0.263	PCI/G	U
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Selenium-75	-0.0043	PCI/G	U
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Sodium-22	0.0152	PCI/G	U
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Strontium-85	-0.0532	PCI/G	U

Table I-3.0-2 (continued)

Prs ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Thallium-208	0.312	PCI/G	none
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Thorium-227	-0.319	PCI/G	U
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Thorium-234	-1.26	PCI/G	U
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Tin-113	-0.0192	PCI/G	U
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Uranium-235	-0.0016	PCI/G	U
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Yttrium-88	-0.0253	PCI/G	U
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Zinc-65	-0.0119	PCI/G	U
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Actinium-228	1.41	PCI/G	none
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Americium-241	0.124	PCI/G	U
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Annihilation Radiation	0.151	PCI/G	U
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Barium-140	0.186	PCI/G	U
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Bismuth-211	0.399	PCI/G	U
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Bismuth-212	0.665	PCI/G	U
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Bismuth-214	0.736	PCI/G	none
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Cadmium-109	1.84	PCI/G	U
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Cerium-139	-0.0339	PCI/G	U
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Cerium-144	0.0941	PCI/G	U
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Cesium-134	0.0259	PCI/G	U
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Cesium-137	0.11	PCI/G	none
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Cobalt-57	-0.002	PCI/G	U
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Cobalt-60	0.0393	PCI/G	U
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Europium-152	0.0227	PCI/G	U
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Lanthanum-140	-1.12	PCI/G	none
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Lead-211	-0.261	PCI/G	U
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Lead-212	1.55	PCI/G	none
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Lead-214	0.833	PCI/G	none
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Manganese-54	0.0069	PCI/G	U
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Mercury-203	0.0125	PCI/G	U
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Neptunium-237	0.534	PCI/G	none

Table I-3.0-2 (continued)

Prs ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Potassium-40	26.5	PCI/G	none
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Protactinium-231	2.21	PCI/G	U
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Protactinium-233	0.028	PCI/G	U
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Protactinium-234M	5.2	PCI/G	U
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Radium-223	-0.0736	PCI/G	U
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Radium-224	2.02	PCI/G	U
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Radium-226	2.62	PCI/G	U
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Radon-219	0.0678	PCI/G	U
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Ruthenium-106	-0.123	PCI/G	U
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Selenium-75	0.0171	PCI/G	U
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Sodium-22	-0.0043	PCI/G	U
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Strontium-85	-0.0422	PCI/G	U
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Thallium-208	0.397	PCI/G	none
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Thorium-227	-0.0856	PCI/G	U
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Thorium-234	-2.06	PCI/G	U
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Tin-113	-0.0227	PCI/G	U
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Uranium-235	0.0897	PCI/G	U
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Yttrium-88	0.0295	PCI/G	U
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Zinc-65	0.001	PCI/G	U
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Actinium-228	1.37	PCI/G	none
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Americium-241	-0.0043	PCI/G	U
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Annihilation Radiation	0.0988	PCI/G	U
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Barium-140	-0.113	PCI/G	U
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Bismuth-211	0.199	PCI/G	U
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Bismuth-212	0.826	PCI/G	U
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Bismuth-214	1.04	PCI/G	none
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Cadmium-109	1.64	PCI/G	U
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Cerium-139	0.0036	PCI/G	U
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Cerium-144	-0.0579	PCI/G	U

Table I-3.0-2 (continued)

Prs ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Cesium-134	-0.0172	PCI/G	U
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Cesium-137	0.0104	PCI/G	U
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Cobalt-57	0	PCI/G	U
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Cobalt-60	0.0158	PCI/G	U
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Europium-152	-0.0231	PCI/G	U
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Lanthanum-140	-10.8	PCI/G	U
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Lead-211	0.396	PCI/G	U
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Lead-212	1.27	PCI/G	none
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Lead-214	0.873	PCI/G	none
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Manganese-54	0.0212	PCI/G	U
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Mercury-203	0.0015	PCI/G	U
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Neptunium-237	0.737	PCI/G	none
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Potassium-40	26.3	PCI/G	none
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Protactinium-231	0.879	PCI/G	U
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Protactinium-233	-0.0024	PCI/G	U
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Protactinium-234M	6.48	PCI/G	none
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Radium-223	-0.0186	PCI/G	U
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Radium-224	1.55	PCI/G	U
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Radium-226	2.2	PCI/G	U
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Radon-219	0.0683	PCI/G	U
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Ruthenium-106	0.0699	PCI/G	U
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Selenium-75	-0.0123	PCI/G	U
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Sodium-22	-0.0019	PCI/G	U
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Strontium-85	-0.0371	PCI/G	U
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Thallium-208	0.394	PCI/G	none
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Thorium-227	0.0572	PCI/G	U
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Thorium-234	1.26	PCI/G	U
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Tin-113	0.0202	PCI/G	U
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Uranium-235	0.117	PCI/G	U

Table I-3.0-2 (continued)

Prs ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Yttrium-88	0.0272	PCI/G	U
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Zinc-65	0.0739	PCI/G	U
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Actinium-228	1.4	PCI/G	none
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Americium-241	0.0015	PCI/G	U
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Annihilation Radiation	-0.411	PCI/G	U
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Barium-140	0.166	PCI/G	U
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Bismuth-211	0	PCI/G	U
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Bismuth-212	0.965	PCI/G	U
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Bismuth-214	0.8	PCI/G	none
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Cadmium-109	2.28	PCI/G	U
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Cerium-139	0.0375	PCI/G	U
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Cerium-144	0.0793	PCI/G	U
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Cesium-134	0.043	PCI/G	U
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Cesium-137	0.419	PCI/G	none
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Cobalt-57	0.0012	PCI/G	U
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Cobalt-60	-0.0057	PCI/G	U
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Europium-152	-0.0528	PCI/G	U
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Lanthanum-140	-5.02	PCI/G	U
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Lead-211	-0.556	PCI/G	U
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Lead-212	1.22	PCI/G	none
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Lead-214	1.02	PCI/G	none
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Manganese-54	0.011	PCI/G	U
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Mercury-203	0.0049	PCI/G	U
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Neptunium-237	0.661	PCI/G	none
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Potassium-40	24.4	PCI/G	none
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Protactinium-231	1.31	PCI/G	U
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Protactinium-233	0.0135	PCI/G	U
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Protactinium-234M	1.25	PCI/G	U
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Radium-223	0.164	PCI/G	U

Table I-3.0-2 (continued)

Prs ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Radium-224	0	PCI/G	U
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Radium-226	2.39	PCI/G	U
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Radon-219	0.159	PCI/G	U
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Ruthenium-106	-0.101	PCI/G	U
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Selenium-75	0.0335	PCI/G	U
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Sodium-22	-0.0164	PCI/G	U
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Strontium-85	-0.0781	PCI/G	U
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Thallium-208	0.381	PCI/G	none
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Thorium-227	-2.44	PCI/G	U
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Thorium-234	1.45	PCI/G	U
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Tin-113	-0.0118	PCI/G	U
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Uranium-235	0.104	PCI/G	U
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Yttrium-88	-0.0375	PCI/G	U
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Zinc-65	0.0038	PCI/G	U
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Actinium-228	1.13	PCI/G	none
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Americium-241	-0.0309	PCI/G	U
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Annihilation Radiation	0.0955	PCI/G	U
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Barium-140	-0.059	PCI/G	U
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Bismuth-211	0.123	PCI/G	U
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Bismuth-212	-0.614	PCI/G	U
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Bismuth-214	0.693	PCI/G	none
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Cadmium-109	1.18	PCI/G	U
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Cerium-139	-0.0279	PCI/G	U
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Cerium-144	-0.0874	PCI/G	U
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Cesium-134	-0.005	PCI/G	U
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Cesium-137	0.175	PCI/G	none
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Cobalt-57	0.0158	PCI/G	U
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Cobalt-60	-0.0072	PCI/G	U
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Europium-152	0.0142	PCI/G	U

Table I-3.0-2 (continued)

Prs ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Lanthanum-140	-13.1	PCI/G	U
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Lead-211	-0.702	PCI/G	U
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Lead-212	1.35	PCI/G	none
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Lead-214	0.759	PCI/G	none
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Manganese-54	0	PCI/G	U
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Mercury-203	-0.0179	PCI/G	U
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Neptunium-237	0.34	PCI/G	U
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Potassium-40	17.2	PCI/G	none
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Protactinium-231	2.29	PCI/G	U
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Protactinium-233	-0.0503	PCI/G	U
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Protactinium-234M	2.57	PCI/G	U
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Radium-223	-0.179	PCI/G	U
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Radium-224	1.76	PCI/G	U
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Radium-226	1.21	PCI/G	U
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Radon-219	0.209	PCI/G	U
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Ruthenium-106	-0.173	PCI/G	U
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Selenium-75	0.0187	PCI/G	U
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Sodium-22	-0.0032	PCI/G	U
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Strontium-85	-0.0688	PCI/G	U
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Thallium-208	0.433	PCI/G	none
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Thorium-227	-0.675	PCI/G	U
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Thorium-234	-2.35	PCI/G	U
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Tin-113	-0.0061	PCI/G	U
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Uranium-235	0.0752	PCI/G	U
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Yttrium-88	0.066	PCI/G	U
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Zinc-65	0.0369	PCI/G	U
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Actinium-228	1.1	PCI/G	none
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Americium-241	0.0092	PCI/G	U
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Annihilation Radiation	0.0901	PCI/G	U

Table I-3.0-2 (continued)

Prs ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Barium-140	0.187	PCI/G	U
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Bismuth-211	0	PCI/G	U
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Bismuth-212	-0.0834	PCI/G	U
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Bismuth-214	0.673	PCI/G	none
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Cadmium-109	1.73	PCI/G	U
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Cerium-139	0.0048	PCI/G	U
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Cerium-144	0.0236	PCI/G	U
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Cesium-134	-0.0317	PCI/G	U
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Cesium-137	0.421	PCI/G	none
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Cobalt-57	-0.0042	PCI/G	U
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Cobalt-60	0.027	PCI/G	U
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Europium-152	-0.0183	PCI/G	U
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Lanthanum-140	-8.46	PCI/G	U
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Lead-211	-0.878	PCI/G	U
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Lead-212	1.02	PCI/G	none
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Lead-214	0.729	PCI/G	none
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Manganese-54	0.0055	PCI/G	U
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Mercury-203	0.0062	PCI/G	U
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Neptunium-237	-0.435	PCI/G	U
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Potassium-40	24.6	PCI/G	none
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Protactinium-231	0.795	PCI/G	U
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Protactinium-233	0.0165	PCI/G	U
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Protactinium-234M	3.12	PCI/G	U
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Radium-223	-0.451	PCI/G	U
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Radium-224	1.26	PCI/G	U
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Radium-226	1.45	PCI/G	U
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Radon-219	0.305	PCI/G	U
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Ruthenium-106	0.082	PCI/G	U
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Selenium-75	0.0235	PCI/G	U

Table I-3.0-2 (continued)

Prs ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Sodium-22	0.0144	PCI/G	U
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Strontium-85	-0.0812	PCI/G	U
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Thallium-208	0.385	PCI/G	none
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Thorium-227	-0.133	PCI/G	U
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Thorium-234	-1.57	PCI/G	U
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Tin-113	0.0171	PCI/G	U
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Uranium-235	-0.0185	PCI/G	U
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Yttrium-88	-0.0067	PCI/G	U
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Zinc-65	-0.0577	PCI/G	U
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Actinium-228	1.09	PCI/G	none
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Americium-241	0.0957	PCI/G	U
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Annihilation Radiation	0.0686	PCI/G	U
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Barium-140	0.0162	PCI/G	U
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Bismuth-211	0	PCI/G	U
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Bismuth-212	0.438	PCI/G	U
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Bismuth-214	0.784	PCI/G	none
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Cadmium-109	1.89	PCI/G	U
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Cerium-139	0.016	PCI/G	U
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Cerium-144	-0.0302	PCI/G	U
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Cesium-134	-0.0181	PCI/G	U
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Cesium-137	0.196	PCI/G	none
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Cobalt-57	0.0178	PCI/G	U
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Cobalt-60	0.008	PCI/G	U
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Europium-152	0.0161	PCI/G	U
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Lanthanum-140	-32.8	PCI/G	U
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Lead-211	0.57	PCI/G	U
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Lead-212	1.18	PCI/G	none
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Lead-214	0.919	PCI/G	none
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Manganese-54	0.0083	PCI/G	U

Table I-3.0-2 (continued)

Prs ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Mercury-203	0.0243	PCI/G	U
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Neptunium-237	-0.256	PCI/G	U
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Potassium-40	27.6	PCI/G	none
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Protactinium-231	0.659	PCI/G	U
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Protactinium-233	0.0511	PCI/G	U
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Protactinium-234M	-0.788	PCI/G	U
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Radium-223	-0.146	PCI/G	U
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Radium-224	0.733	PCI/G	U
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Radium-226	2.26	PCI/G	U
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Radon-219	0.0193	PCI/G	U
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Ruthenium-106	-0.329	PCI/G	U
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Selenium-75	0.0108	PCI/G	U
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Sodium-22	0.0111	PCI/G	U
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Strontium-85	-0.0998	PCI/G	U
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Thallium-208	0.362	PCI/G	none
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Thorium-227	-0.25	PCI/G	U
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Thorium-234	-1.1	PCI/G	U
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Tin-113	-0.0362	PCI/G	U
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Uranium-235	-0.028	PCI/G	U
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Yttrium-88	-0.033	PCI/G	U
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Zinc-65	0.0088	PCI/G	U
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Actinium-228	0.818	PCI/G	none
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Americium-241	-0.0262	PCI/G	U
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Annihilation Radiation	0.0428	PCI/G	U
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Barium-140	0.113	PCI/G	U
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Bismuth-211	0.0344	PCI/G	U
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Bismuth-212	1.29	PCI/G	U
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Bismuth-214	0.641	PCI/G	none
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Cadmium-109	1.22	PCI/G	U

Table I-3.0-2 (continued)

Prs ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Cerium-139	-0.001	PCI/G	U
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Cerium-144	-0.0353	PCI/G	U
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Cesium-134	-0.001	PCI/G	U
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Cesium-137	0.0347	PCI/G	U
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Cobalt-57	0.0024	PCI/G	U
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Cobalt-60	0.0132	PCI/G	U
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Europium-152	0.0262	PCI/G	U
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Lanthanum-140	-13.6	PCI/G	U
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Lead-211	0.0653	PCI/G	U
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Lead-212	0.888	PCI/G	none
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Lead-214	0.671	PCI/G	none
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Manganese-54	-0.0028	PCI/G	U
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Mercury-203	0	PCI/G	U
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Neptunium-237	0.564	PCI/G	none
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Potassium-40	23.7	PCI/G	none
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Protactinium-231	0.565	PCI/G	U
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Protactinium-233	0.0013	PCI/G	U
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Protactinium-234M	0.182	PCI/G	U
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Radium-223	-0.173	PCI/G	U
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Radium-224	0.79	PCI/G	U
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Radium-226	0.97	PCI/G	U
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Radon-219	-0.0977	PCI/G	U
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Ruthenium-106	0.0764	PCI/G	U
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Selenium-75	0.0149	PCI/G	U
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Sodium-22	-0.0362	PCI/G	U
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Strontium-85	-0.0481	PCI/G	U
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Thallium-208	0.269	PCI/G	none
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Thorium-227	-0.0193	PCI/G	U
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Thorium-234	-0.246	PCI/G	U

Table I-3.0-2 (continued)

Prs ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Tin-113	0.0035	PCI/G	U
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Uranium-235	0.0552	PCI/G	U
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Yttrium-88	-0.0034	PCI/G	U
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Zinc-65	0.032	PCI/G	U
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Actinium-228	1.22	PCI/G	none
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Americium-241	-0.0164	PCI/G	U
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Annihilation Radiation	0.0502	PCI/G	none
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Barium-140	0.115	PCI/G	U
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Bismuth-211	0	PCI/G	U
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Bismuth-212	1.43	PCI/G	U
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Bismuth-214	0.838	PCI/G	U
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Cadmium-109	1.51	PCI/G	U
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Cerium-139	-0.0178	PCI/G	U
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Cerium-144	-0.0344	PCI/G	U
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Cesium-134	0.0047	PCI/G	U
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Cesium-137	0.0634	PCI/G	U
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Cobalt-57	0.0012	PCI/G	U
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Cobalt-60	-0.0042	PCI/G	U
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Europium-152	0.0318	PCI/G	U
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Lanthanum-140	5.77	PCI/G	U
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Lead-211	-0.064	PCI/G	U
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Lead-212	1.14	PCI/G	none
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Lead-214	0.776	PCI/G	none
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Manganese-54	0.0075	PCI/G	U
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Mercury-203	-0.0333	PCI/G	U
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Neptunium-237	0.435	PCI/G	U
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Potassium-40	28.6	PCI/G	none
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Protactinium-231	1.92	PCI/G	U
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Protactinium-233	-0.0197	PCI/G	U

Table I-3.0-2 (continued)

Prs ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Protactinium-234M	4.79	PCI/G	U
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Radium-223	0.279	PCI/G	U
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Radium-224	1.09	PCI/G	U
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Radium-226	2.6	PCI/G	U
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Radon-219	0.0826	PCI/G	U
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Ruthenium-106	-0.007	PCI/G	U
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Selenium-75	-0.002	PCI/G	U
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Sodium-22	0.006	PCI/G	U
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Strontium-85	-0.0708	PCI/G	U
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Thallium-208	0.368	PCI/G	none
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Thorium-227	-1.98	PCI/G	U
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Thorium-234	-4.44	PCI/G	U
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Tin-113	-0.0101	PCI/G	U
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Uranium-235	0.0663	PCI/G	U
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Yttrium-88	-0.0181	PCI/G	U
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Zinc-65	-0.0063	PCI/G	U
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Actinium-228	1.36	PCI/G	none
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Americium-241	0.0364	PCI/G	U
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Annihilation Radiation	0.14	PCI/G	U
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Barium-140	0.0263	PCI/G	U
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Bismuth-211	0	PCI/G	U
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Bismuth-212	1.25	PCI/G	U
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Bismuth-214	0.757	PCI/G	none
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Cadmium-109	1.63	PCI/G	U
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Cerium-139	-0.0112	PCI/G	U
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Cerium-144	-0.0479	PCI/G	U
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Cesium-134	-0.0258	PCI/G	U
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Cesium-137	0.375	PCI/G	none
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Cobalt-57	-0.008	PCI/G	U

Table I-3.0-2 (continued)

Prs ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Cobalt-60	0.0467	PCI/G	U
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Europium-152	-0.0287	PCI/G	U
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Lanthanum-140	-28.5	PCI/G	U
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Lead-211	-0.316	PCI/G	U
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Lead-212	1.3	PCI/G	none
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Lead-214	0.887	PCI/G	none
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Manganese-54	-0.03	PCI/G	U
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Mercury-203	0.0449	PCI/G	U
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Neptunium-237	0.47	PCI/G	none
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Potassium-40	18.5	PCI/G	none
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Protactinium-231	2.08	PCI/G	U
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Protactinium-233	-0.0169	PCI/G	U
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Protactinium-234M	-1.27	PCI/G	U
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Radium-223	0.372	PCI/G	U
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Radium-224	0.56	PCI/G	U
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Radium-226	3.49	PCI/G	none
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Radon-219	0.514	PCI/G	U
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Ruthenium-106	-0.224	PCI/G	U
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Selenium-75	-0.0015	PCI/G	U
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Sodium-22	-0.0085	PCI/G	U
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Strontium-85	-0.0487	PCI/G	U
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Thallium-208	0.347	PCI/G	none
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Thorium-227	-0.146	PCI/G	U
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Thorium-234	-1.75	PCI/G	U
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Tin-113	-0.0429	PCI/G	U
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Uranium-235	-0.0954	PCI/G	U
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Yttrium-88	-0.0123	PCI/G	U
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Zinc-65	0.0198	PCI/G	U
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Actinium-228	1.01	PCI/G	none

Table I-3.0-2 (continued)

Prs ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Americium-241	-0.136	PCI/G	U
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Annihilation Radiation	0.111	PCI/G	U
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Barium-140	0.0355	PCI/G	U
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Bismuth-211	0.646	PCI/G	U
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Bismuth-212	-1.03	PCI/G	U
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Bismuth-214	0.928	PCI/G	none
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Cadmium-109	2.42	PCI/G	none
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Cerium-139	-0.0127	PCI/G	U
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Cerium-144	-0.129	PCI/G	U
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Cesium-134	-0.0022	PCI/G	U
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Cesium-137	0.426	PCI/G	none
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Cobalt-57	-0.0103	PCI/G	U
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Cobalt-60	0.0589	PCI/G	U
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Europium-152	0.143	PCI/G	U
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Lanthanum-140	-47.1	PCI/G	U
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Lead-211	0.592	PCI/G	U
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Lead-212	1.55	PCI/G	none
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Lead-214	0.85	PCI/G	none
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Manganese-54	-0.0351	PCI/G	U
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Mercury-203	0.015	PCI/G	U
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Neptunium-237	-0.467	PCI/G	U
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Potassium-40	21.1	PCI/G	none
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Protactinium-231	2.51	PCI/G	U
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Protactinium-233	-0.0382	PCI/G	U
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Protactinium-234M	8.92	PCI/G	U
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Radium-223	-0.314	PCI/G	U
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Radium-224	2.09	PCI/G	none
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Radium-226	2.23	PCI/G	U
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Radon-219	0.285	PCI/G	U

Table I-3.0-2 (continued)

Prs ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Ruthenium-106	0.212	PCI/G	U
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Selenium-75	0.0199	PCI/G	U
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Sodium-22	-0.06	PCI/G	U
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Strontium-85	-0.0741	PCI/G	U
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Thallium-208	0.375	PCI/G	none
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Thorium-227	-0.147	PCI/G	U
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Thorium-234	-3.16	PCI/G	U
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Tin-113	-0.0467	PCI/G	U
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Uranium-235	0.04	PCI/G	U
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Yttrium-88	0.0644	PCI/G	U
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Zinc-65	0.0501	PCI/G	U
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Actinium-228	0.891	PCI/G	none
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Americium-241	0.0018	PCI/G	U
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Annihilation Radiation	-0.0939	PCI/G	U
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Barium-140	0.102	PCI/G	U
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Bismuth-211	0.359	PCI/G	U
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Bismuth-212	0.184	PCI/G	U
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Bismuth-214	0.757	PCI/G	none
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Cadmium-109	1.31	PCI/G	U
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Cerium-139	0.0101	PCI/G	U
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Cerium-144	0.0354	PCI/G	U
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Cesium-134	0.012	PCI/G	U
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Cesium-137	0.112	PCI/G	none
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Cobalt-57	0.0071	PCI/G	U
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Cobalt-60	0.0492	PCI/G	U
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Europium-152	0.0233	PCI/G	U
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Lanthanum-140	-13.4	PCI/G	U
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Lead-211	-0.0441	PCI/G	U
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Lead-212	0.92	PCI/G	none

Table I-3.0-2 (continued)

Prs ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Lead-214	0.611	PCI/G	none
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Manganese-54	-0.0019	PCI/G	U
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Mercury-203	-0.0109	PCI/G	U
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Neptunium-237	0.533	PCI/G	none
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Potassium-40	31.1	PCI/G	none
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Protactinium-231	1.24	PCI/G	U
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Protactinium-233	0.0157	PCI/G	U
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Protactinium-234M	0.737	PCI/G	U
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Radium-223	0.24	PCI/G	U
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Radium-224	1.06	PCI/G	none
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Radium-226	1.24	PCI/G	U
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Radon-219	0.0396	PCI/G	U
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Ruthenium-106	0.0845	PCI/G	U
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Selenium-75	0.001	PCI/G	U
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Sodium-22	-0.029	PCI/G	U
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Strontium-85	-0.0708	PCI/G	U
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Thallium-208	0.41	PCI/G	none
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Thorium-227	0.0092	PCI/G	U
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Thorium-234	0.54	PCI/G	U
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Tin-113	-0.0339	PCI/G	U
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Uranium-235	0.0536	PCI/G	U
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Yttrium-88	0.014	PCI/G	U
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Zinc-65	-0.0333	PCI/G	U
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Actinium-228	0.543	PCI/G	none
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Americium-241	0.0087	PCI/G	U
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Annihilation Radiation	0.0418	PCI/G	U
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Barium-140	0.0701	PCI/G	U
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Bismuth-211	0	PCI/G	U
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Bismuth-212	0.741	PCI/G	U

Table I-3.0-2 (continued)

Prs ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Bismuth-214	0.449	PCI/G	none
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Cadmium-109	0.8	PCI/G	U
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Cerium-139	0.0037	PCI/G	U
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Cerium-144	0.0419	PCI/G	U
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Cesium-134	0.0182	PCI/G	U
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Cesium-137	0.0169	PCI/G	U
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Cobalt-57	0.0025	PCI/G	U
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Cobalt-60	0.012	PCI/G	U
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Europium-152	-0.0108	PCI/G	U
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Lanthanum-140	-6.57	PCI/G	U
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Lead-211	0.115	PCI/G	U
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Lead-212	0.535	PCI/G	none
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Lead-214	0.442	PCI/G	none
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Manganese-54	0.0084	PCI/G	U
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Mercury-203	0.001	PCI/G	U
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Neptunium-237	0.23	PCI/G	U
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Potassium-40	23.1	PCI/G	none
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Protactinium-231	0.561	PCI/G	U
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Protactinium-233	0.0234	PCI/G	U
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Protactinium-234M	0.775	PCI/G	U
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Radium-223	0.165	PCI/G	U
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Radium-224	0.362	PCI/G	U
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Radium-226	0.959	PCI/G	U
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Radon-219	0.0324	PCI/G	U
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Ruthenium-106	-0.0369	PCI/G	U
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Selenium-75	0.0016	PCI/G	U
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Sodium-22	0.01	PCI/G	U
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Strontium-85	-0.0171	PCI/G	U
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Thallium-208	0.19	PCI/G	none

Table I-3.0-2 (continued)

Prs ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Thorium-227	-1	PCI/G	U
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Thorium-234	-2.21	PCI/G	U
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Tin-113	0	PCI/G	U
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Uranium-235	0.0256	PCI/G	U
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Yttrium-88	0.0028	PCI/G	U
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Zinc-65	0.009	PCI/G	U
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Actinium-228	1.03	PCI/G	none
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Americium-241	0.0655	PCI/G	U
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Annihilation Radiation	0.141	PCI/G	U
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Barium-140	-0.0362	PCI/G	U
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Bismuth-211	0	PCI/G	U
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Bismuth-212	1.76	PCI/G	U
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Bismuth-214	0.895	PCI/G	none
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Cadmium-109	0.715	PCI/G	U
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Cerium-139	-0.0105	PCI/G	U
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Cerium-144	-0.136	PCI/G	U
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Cesium-134	0.0222	PCI/G	U
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Cesium-137	0.0197	PCI/G	U
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Cobalt-57	0.0036	PCI/G	U
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Cobalt-60	0.0435	PCI/G	U
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Europium-152	-0.017	PCI/G	U
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Lanthanum-140	-25.4	PCI/G	U
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Lead-211	-0.215	PCI/G	U
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Lead-212	1.06	PCI/G	none
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Lead-214	0.789	PCI/G	none
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Manganese-54	-0.0291	PCI/G	U
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Mercury-203	-0.0079	PCI/G	U
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Neptunium-237	-0.298	PCI/G	U
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Potassium-40	30.1	PCI/G	none

Table I-3.0-2 (continued)

Prs ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Protactinium-231	3.2	PCI/G	none
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Protactinium-233	-0.0469	PCI/G	U
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Protactinium-234M	-1.89	PCI/G	U
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Radium-223	0.0096	PCI/G	U
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Radium-224	1.84	PCI/G	U
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Radium-226	2.2	PCI/G	U
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Radon-219	0.0793	PCI/G	U
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Ruthenium-106	-0.146	PCI/G	U
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Selenium-75	0.001	PCI/G	U
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Sodium-22	0.0443	PCI/G	U
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Strontium-85	-0.105	PCI/G	U
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Thallium-208	0.361	PCI/G	none
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Thorium-227	-0.655	PCI/G	U
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Thorium-234	-3.4	PCI/G	U
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Tin-113	-0.0473	PCI/G	U
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Uranium-235	0.0162	PCI/G	U
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Yttrium-88	0.0392	PCI/G	U
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Zinc-65	0.0416	PCI/G	U
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Actinium-228	0.691	PCI/G	none
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Americium-241	-0.0142	PCI/G	U
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Annihilation Radiation	0.0682	PCI/G	U
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Barium-140	-0.0258	PCI/G	U
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Bismuth-211	0.0855	PCI/G	U
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Bismuth-212	0.676	PCI/G	U
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Bismuth-214	0.607	PCI/G	none
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Cadmium-109	0.591	PCI/G	U
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Cerium-139	0.01	PCI/G	U
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Cerium-144	-0.0753	PCI/G	U
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Cesium-134	0.0127	PCI/G	U

Table I-3.0-2 (continued)

Prs ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Cesium-137	0.0627	PCI/G	U
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Cobalt-57	0.0051	PCI/G	U
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Cobalt-60	0.0109	PCI/G	U
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Europium-152	-0.0246	PCI/G	U
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Lanthanum-140	-5.15	PCI/G	U
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Lead-211	0.308	PCI/G	U
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Lead-212	0.737	PCI/G	none
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Lead-214	0.633	PCI/G	none
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Manganese-54	0.0084	PCI/G	U
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Mercury-203	0.0048	PCI/G	U
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Neptunium-237	-0.191	PCI/G	U
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Potassium-40	27.5	PCI/G	none
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Protactinium-231	0.556	PCI/G	U
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Protactinium-233	-0.0015	PCI/G	U
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Protactinium-234M	2.94	PCI/G	U
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Radium-223	-0.0549	PCI/G	U
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Radium-224	0.168	PCI/G	U
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Radium-226	1.52	PCI/G	U
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Radon-219	0.185	PCI/G	U
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Ruthenium-106	-0.0019	PCI/G	U
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Selenium-75	-0.0105	PCI/G	U
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Sodium-22	-0.0105	PCI/G	U
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Strontium-85	-0.0231	PCI/G	U
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Thallium-208	0.261	PCI/G	none
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Thorium-227	-0.115	PCI/G	U
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Thorium-234	-0.899	PCI/G	U
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Tin-113	0.0161	PCI/G	U
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Uranium-235	-0.0072	PCI/G	U
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Yttrium-88	-0.0086	PCI/G	U

Table I-3.0-2 (continued)

Prs ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Zinc-65	-0.0084	PCI/G	U
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Actinium-228	0.585	PCI/G	none
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Americium-241	0.0024	PCI/G	U
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Annihilation Radiation	0.0761	PCI/G	U
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Barium-140	-0.0662	PCI/G	U
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Bismuth-211	0.0469	PCI/G	U
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Bismuth-212	0.252	PCI/G	U
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Bismuth-214	0.417	PCI/G	none
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Cadmium-109	1.15	PCI/G	U
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Cerium-139	-0.0036	PCI/G	U
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Cerium-144	0.0035	PCI/G	U
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Cesium-134	0.0128	PCI/G	U
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Cesium-137	0.0436	PCI/G	U
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Cobalt-57	-0.0032	PCI/G	U
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Cobalt-60	0.0134	PCI/G	U
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Europium-152	-0.0264	PCI/G	U
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Lanthanum-140	-21.3	PCI/G	U
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Lead-211	-0.174	PCI/G	U
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Lead-212	0.607	PCI/G	none
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Lead-214	0.46	PCI/G	none
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Manganese-54	-0.012	PCI/G	U
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Mercury-203	0.0117	PCI/G	U
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Neptunium-237	-0.237	PCI/G	U
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Potassium-40	24.1	PCI/G	none
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Protactinium-231	1.08	PCI/G	U
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Protactinium-233	0.0099	PCI/G	U
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Protactinium-234M	1.81	PCI/G	U
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Radium-223	0.39	PCI/G	U
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Radium-224	0.484	PCI/G	U

Table I-3.0-2 (continued)

Prs ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Radium-226	1.13	PCI/G	U
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Radon-219	0.0653	PCI/G	U
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Ruthenium-106	0.1	PCI/G	U
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Selenium-75	0.0186	PCI/G	U
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Sodium-22	0.0162	PCI/G	U
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Strontium-85	-0.0341	PCI/G	U
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Thallium-208	0.19	PCI/G	none
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Thorium-227	0.0362	PCI/G	U
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Thorium-234	-0.857	PCI/G	U
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Tin-113	0.0123	PCI/G	U
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Uranium-235	0.0432	PCI/G	U
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Yttrium-88	0.0027	PCI/G	U
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Zinc-65	0.0093	PCI/G	U
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Actinium-228	0.405	PCI/G	U
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Americium-241	0.0035	PCI/G	U
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Annihilation Radiation	0.0313	PCI/G	U
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Barium-140	0.0221	PCI/G	U
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Bismuth-211	0.0501	PCI/G	U
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Bismuth-212	0.129	PCI/G	U
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Bismuth-214	0.296	PCI/G	U
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Cadmium-109	0.367	PCI/G	U
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Cerium-139	0.0043	PCI/G	U
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Cerium-144	0.026	PCI/G	U
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Cesium-134	-0.0178	PCI/G	U
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Cesium-137	0.0187	PCI/G	U
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Cobalt-57	0	PCI/G	U
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Cobalt-60	-0.0133	PCI/G	U
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Europium-152	-0.0213	PCI/G	U
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Lanthanum-140	-1.69	PCI/G	U

Table I-3.0-2 (continued)

Prs ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Lead-211	0.149	PCI/G	U
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Lead-212	0.31	PCI/G	none
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Lead-214	0.267	PCI/G	none
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Manganese-54	0.001	PCI/G	U
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Mercury-203	0.0074	PCI/G	U
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Neptunium-237	0.157	PCI/G	U
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Potassium-40	16.3	PCI/G	none
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Protactinium-231	0.617	PCI/G	U
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Protactinium-233	-0.0021	PCI/G	U
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Protactinium-234M	2.3	PCI/G	U
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Radium-223	-0.134	PCI/G	U
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Radium-224	0.23	PCI/G	U
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Radium-226	0.336	PCI/G	none
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Radon-219	-0.107	PCI/G	U
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Ruthenium-106	-0.0357	PCI/G	U
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Selenium-75	-0.0071	PCI/G	U
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Sodium-22	0.0159	PCI/G	U
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Strontium-85	-0.0216	PCI/G	U
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Thallium-208	0.145	PCI/G	none
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Thorium-227	-0.0335	PCI/G	U
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Thorium-234	-0.341	PCI/G	U
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Tin-113	-0.0101	PCI/G	U
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Uranium-235	0.0266	PCI/G	U
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Yttrium-88	0.0107	PCI/G	U
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Zinc-65	-0.0017	PCI/G	U
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Actinium-228	1.21	PCI/G	none
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Americium-241	-0.0325	PCI/G	U
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Annihilation Radiation	-0.281	PCI/G	U
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Barium-140	0.403	PCI/G	U

Table I-3.0-2 (continued)

Prs ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Bismuth-211	0.133	PCI/G	U
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Bismuth-212	1.3	PCI/G	U
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Bismuth-214	0.632	PCI/G	none
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Cadmium-109	1.22	PCI/G	U
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Cerium-139	-0.0207	PCI/G	U
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Cerium-144	-0.18	PCI/G	U
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Cesium-134	0.0178	PCI/G	U
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Cesium-137	0.0633	PCI/G	U
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Cobalt-57	-0.0111	PCI/G	U
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Cobalt-60	-0.0366	PCI/G	U
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Europium-152	-0.0647	PCI/G	U
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Lanthanum-140	17	PCI/G	none
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Lead-211	0.308	PCI/G	U
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Lead-212	1.21	PCI/G	none
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Lead-214	0.785	PCI/G	none
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Manganese-54	0.0148	PCI/G	U
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Mercury-203	-0.008	PCI/G	U
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Neptunium-237	-0.067	PCI/G	U
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Potassium-40	30	PCI/G	none
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Protactinium-231	1.29	PCI/G	U
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Protactinium-233	-0.001	PCI/G	U
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Protactinium-234M	0.806	PCI/G	U
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Radium-223	0.351	PCI/G	U
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Radium-224	1.18	PCI/G	U
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Radium-226	1.5	PCI/G	U
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Radon-219	-0.0433	PCI/G	U
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Ruthenium-106	-0.0388	PCI/G	U
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Selenium-75	-0.0052	PCI/G	U
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Sodium-22	0.0334	PCI/G	U

Table I-3.0-2 (continued)

Prs ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Strontium-85	-0.0946	PCI/G	U
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Thallium-208	0.315	PCI/G	none
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Thorium-227	-2.6	PCI/G	U
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Thorium-234	0.997	PCI/G	U
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Tin-113	-0.0165	PCI/G	U
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Uranium-235	0.0517	PCI/G	U
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Yttrium-88	-0.0633	PCI/G	U
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Zinc-65	-0.0091	PCI/G	U
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Actinium-228	0.838	PCI/G	none
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Americium-241	-0.103	PCI/G	U
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Annihilation Radiation	0.0589	PCI/G	U
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Barium-140	0.211	PCI/G	U
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Bismuth-211	0.381	PCI/G	U
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Bismuth-212	-0.477	PCI/G	U
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Bismuth-214	0.465	PCI/G	none
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Cadmium-109	0.95	PCI/G	U
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Cerium-139	-0.0083	PCI/G	U
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Cerium-144	0.017	PCI/G	U
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Cesium-134	-0.0121	PCI/G	U
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Cesium-137	0.0394	PCI/G	U
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Cobalt-57	0.0064	PCI/G	U
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Cobalt-60	0.0475	PCI/G	U
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Europium-152	0.0542	PCI/G	U
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Lanthanum-140	-2.44	PCI/G	U
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Lead-211	0.375	PCI/G	U
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Lead-212	0.729	PCI/G	none
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Lead-214	0.492	PCI/G	none
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Manganese-54	0.0048	PCI/G	U
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Mercury-203	-0.0155	PCI/G	U

Table I-3.0-2 (continued)

Prs ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Neptunium-237	-0.0809	PCI/G	U
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Potassium-40	20.2	PCI/G	none
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Protactinium-231	1.21	PCI/G	U
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Protactinium-233	-0.0153	PCI/G	U
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Protactinium-234M	3.6	PCI/G	U
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Radium-223	-0.129	PCI/G	U
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Radium-224	0.53	PCI/G	U
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Radium-226	2.04	PCI/G	U
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Radon-219	-0.0653	PCI/G	U
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Ruthenium-106	0.0522	PCI/G	U
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Selenium-75	0.0078	PCI/G	U
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Sodium-22	0.0095	PCI/G	U
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Strontium-85	-0.0164	PCI/G	U
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Thallium-208	0.243	PCI/G	none
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Thorium-227	-0.355	PCI/G	U
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Thorium-234	-1.82	PCI/G	U
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Tin-113	-0.0036	PCI/G	U
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Uranium-235	0.0101	PCI/G	U
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Yttrium-88	-0.001	PCI/G	U
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Zinc-65	0.0185	PCI/G	U
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Actinium-228	0.694	PCI/G	none
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Americium-241	-0.0197	PCI/G	U
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Annihilation Radiation	0.0513	PCI/G	U
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Barium-140	0.132	PCI/G	U
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Bismuth-211	0.0282	PCI/G	U
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Bismuth-212	-0.127	PCI/G	U
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Bismuth-214	0.548	PCI/G	none
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Cadmium-109	1.11	PCI/G	U
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Cerium-139	0.0126	PCI/G	U

Table I-3.0-2 (continued)

Prs ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Cerium-144	-0.0568	PCI/G	U
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Cesium-134	0.0089	PCI/G	U
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Cesium-137	0.0387	PCI/G	U
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Cobalt-57	0.0111	PCI/G	U
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Cobalt-60	-0.0059	PCI/G	U
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Europium-152	0.0125	PCI/G	U
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Lanthanum-140	-1.69	PCI/G	U
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Lead-211	-0.162	PCI/G	U
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Lead-212	0.701	PCI/G	none
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Lead-214	0.555	PCI/G	none
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Manganese-54	0.0224	PCI/G	U
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Mercury-203	0.0094	PCI/G	U
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Neptunium-237	-0.0538	PCI/G	U
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Potassium-40	23.1	PCI/G	none
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Protactinium-231	0.654	PCI/G	U
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Protactinium-233	0.0023	PCI/G	U
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Protactinium-234M	2.33	PCI/G	U
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Radium-223	-0.125	PCI/G	U
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Radium-224	0.601	PCI/G	U
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Radium-226	1.89	PCI/G	U
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Radon-219	0.222	PCI/G	U
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Ruthenium-106	0.0258	PCI/G	U
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Selenium-75	-0.0102	PCI/G	U
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Sodium-22	0.0096	PCI/G	U
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Strontium-85	-0.0602	PCI/G	U
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Thallium-208	0.224	PCI/G	none
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Thorium-227	0.0097	PCI/G	U
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Thorium-234	-1.89	PCI/G	U
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Tin-113	-0.0132	PCI/G	U

Table I-3.0-2 (continued)

Prs ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Uranium-235	0.0223	PCI/G	U
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Yttrium-88	0.0123	PCI/G	U
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Zinc-65	-0.0127	PCI/G	U
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Actinium-228	0.574	PCI/G	U
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Americium-241	-0.0059	PCI/G	U
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Annihilation Radiation	0.0373	PCI/G	U
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Barium-140	0.0207	PCI/G	U
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Bismuth-211	0	PCI/G	U
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Bismuth-212	0.982	PCI/G	U
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Bismuth-214	0.414	PCI/G	none
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Cadmium-109	0.887	PCI/G	U
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Cerium-139	-0.0027	PCI/G	U
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Cerium-144	0.0198	PCI/G	U
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Cesium-134	0.0055	PCI/G	U
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Cesium-137	0.0376	PCI/G	U
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Cobalt-57	0.0099	PCI/G	U
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Cobalt-60	0.016	PCI/G	U
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Europium-152	-0.0017	PCI/G	U
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Lanthanum-140	-5.39	PCI/G	U
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Lead-211	0.0391	PCI/G	U
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Lead-212	0.582	PCI/G	none
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Lead-214	0.533	PCI/G	none
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Manganese-54	0.0077	PCI/G	U
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Mercury-203	-0.0045	PCI/G	U
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Neptunium-237	0.379	PCI/G	U
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Potassium-40	25.3	PCI/G	none
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Protactinium-231	0.43	PCI/G	U
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Protactinium-233	-0.0018	PCI/G	U
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Protactinium-234M	2.69	PCI/G	U

Table I-3.0-2 (continued)

Prs ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Radium-223	0.112	PCI/G	U
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Radium-224	0.252	PCI/G	U
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Radium-226	1	PCI/G	U
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Radon-219	0.05	PCI/G	U
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Ruthenium-106	0.0348	PCI/G	U
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Selenium-75	0	PCI/G	U
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Sodium-22	0.0043	PCI/G	U
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Strontium-85	-0.0452	PCI/G	U
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Thallium-208	0.191	PCI/G	none
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Thorium-227	-0.001	PCI/G	U
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Thorium-234	0.336	PCI/G	U
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Tin-113	0.01	PCI/G	U
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Uranium-235	0.0144	PCI/G	U
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Yttrium-88	-0.0054	PCI/G	U
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Zinc-65	0.0657	PCI/G	U
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Actinium-228	1.1	PCI/G	none
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Americium-241	-0.0379	PCI/G	U
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Annihilation Radiation	0.0747	PCI/G	U
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Barium-140	0.184	PCI/G	U
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Bismuth-211	0.108	PCI/G	U
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Bismuth-212	1.77	PCI/G	U
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Bismuth-214	0.815	PCI/G	none
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Cadmium-109	1.48	PCI/G	U
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Cerium-139	-0.0071	PCI/G	U
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Cerium-144	0.0143	PCI/G	U
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Cesium-134	-0.0138	PCI/G	U
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Cesium-137	0.304	PCI/G	none
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Cobalt-57	0.0032	PCI/G	U
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Cobalt-60	0.0191	PCI/G	U

Table I-3.0-2 (concluded)

Prs ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Europium-152	-0.037	PCI/G	U
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Lanthanum-140	-2.54	PCI/G	U
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Lead-211	-0.813	PCI/G	U
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Lead-212	1.3	PCI/G	none
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Lead-214	0.916	PCI/G	none
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Manganese-54	0.0052	PCI/G	U
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Mercury-203	0	PCI/G	U
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Neptunium-237	0.945	PCI/G	none
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Potassium-40	24.2	PCI/G	none
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Protactinium-231	2.38	PCI/G	U
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Protactinium-233	0.001	PCI/G	U
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Protactinium-234M	1.43	PCI/G	U
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Radium-223	0.107	PCI/G	U
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Radium-224	1.01	PCI/G	U
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Radium-226	3.65	PCI/G	none
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Radon-219	0.241	PCI/G	U
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Ruthenium-106	-0.146	PCI/G	U
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Selenium-75	0.0076	PCI/G	U
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Sodium-22	-0.0498	PCI/G	U
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Strontium-85	-0.0578	PCI/G	U
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Thallium-208	0.462	PCI/G	none
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Thorium-227	-0.148	PCI/G	U
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Thorium-234	0.681	PCI/G	U
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Tin-113	-0.0022	PCI/G	U
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Uranium-235	0.107	PCI/G	U
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Yttrium-88	-0.0092	PCI/G	U
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Zinc-65	-0.0078	PCI/G	U

Table I-3.0-3
High Explosive Chemicals in Surface Sediments Samples

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2670	0316-97-0440	0	6	IN	SED	Amino-2,6-dinitrotoluene[4-]	0.49	MG/KG	U
16-021(c)	16-2670	0316-97-0440	0	6	IN	SED	Dinitrobenzene[1,3-]	0.24	MG/KG	U
16-021(c)	16-2670	0316-97-0440	0	6	IN	SED	Dinitrotoluene[2,4-]	0.24	MG/KG	U
16-021(c)	16-2670	0316-97-0440	0	6	IN	SED	Dinitrotoluene[2,6-]	0.25	MG/KG	U
16-021(c)	16-2670	0316-97-0440	0	6	IN	SED	HMX	0.96	MG/KG	J
16-021(c)	16-2670	0316-97-0440	0	6	IN	SED	Nitrobenzene	0.25	MG/KG	U
16-021(c)	16-2670	0316-97-0440	0	6	IN	SED	Nitrotoluene[2-]	0.98	MG/KG	U
16-021(c)	16-2670	0316-97-0440	0	6	IN	SED	Nitrotoluene[3-]	0.49	MG/KG	U
16-021(c)	16-2670	0316-97-0440	0	6	IN	SED	Nitrotoluene[4-]	1.5	MG/KG	U
16-021(c)	16-2670	0316-97-0440	0	6	IN	SED	RDX	0.98	MG/KG	U
16-021(c)	16-2670	0316-97-0440	0	6	IN	SED	Tetryl	0.73	MG/KG	U
16-021(c)	16-2670	0316-97-0440	0	6	IN	SED	Trinitrobenzene[1,3,5-]	0.25	MG/KG	U
16-021(c)	16-2670	0316-97-0440	0	6	IN	SED	Trinitrotoluene[2,4,6-]	0.25	MG/KG	U
16-021(c)	16-2671	0316-97-0441	0	6	IN	SED	Amino-2,6-dinitrotoluene[4-]	0.5	MG/KG	U
16-021(c)	16-2671	0316-97-0441	0	6	IN	SED	Dinitrobenzene[1,3-]	0.25	MG/KG	U
16-021(c)	16-2671	0316-97-0441	0	6	IN	SED	Dinitrotoluene[2,4-]	0.25	MG/KG	U
16-021(c)	16-2671	0316-97-0441	0	6	IN	SED	Dinitrotoluene[2,6-]	0.26	MG/KG	U
16-021(c)	16-2671	0316-97-0441	0	6	IN	SED	HMX	40	MG/KG	none
16-021(c)	16-2671	0316-97-0441	0	6	IN	SED	Nitrobenzene	0.26	MG/KG	U
16-021(c)	16-2671	0316-97-0441	0	6	IN	SED	Nitrotoluene[2-]	0.99	MG/KG	U
16-021(c)	16-2671	0316-97-0441	0	6	IN	SED	Nitrotoluene[3-]	0.5	MG/KG	U
16-021(c)	16-2671	0316-97-0441	0	6	IN	SED	Nitrotoluene[4-]	1.5	MG/KG	U
16-021(c)	16-2671	0316-97-0441	0	6	IN	SED	RDX	0.99	MG/KG	U
16-021(c)	16-2671	0316-97-0441	0	6	IN	SED	Tetryl	0.74	MG/KG	U
16-021(c)	16-2671	0316-97-0441	0	6	IN	SED	Trinitrobenzene[1,3,5-]	0.25	MG/KG	U
16-021(c)	16-2671	0316-97-0441	0	6	IN	SED	Trinitrotoluene[2,4,6-]	0.25	MG/KG	U
16-021(c)	16-2672	0316-97-0442	0	6	IN	SED	Amino-2,6-dinitrotoluene[4-]	0.49	MG/KG	U
16-021(c)	16-2672	0316-97-0442	0	6	IN	SED	Dinitrobenzene[1,3-]	0.25	MG/KG	U

Table I-3.0-3 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2672	0316-97-0442	0	6	IN	SED	Dinitrotoluene[2,4-]	0.25	MG/KG	U
16-021(c)	16-2672	0316-97-0442	0	6	IN	SED	Dinitrotoluene[2,6-]	0.26	MG/KG	U
16-021(c)	16-2672	0316-97-0442	0	6	IN	SED	HMX	2.2	MG/KG	U
16-021(c)	16-2672	0316-97-0442	0	6	IN	SED	Nitrobenzene	0.26	MG/KG	U
16-021(c)	16-2672	0316-97-0442	0	6	IN	SED	Nitrotoluene[2-]	0.99	MG/KG	U
16-021(c)	16-2672	0316-97-0442	0	6	IN	SED	Nitrotoluene[3-]	0.49	MG/KG	U
16-021(c)	16-2672	0316-97-0442	0	6	IN	SED	Nitrotoluene[4-]	1.5	MG/KG	U
16-021(c)	16-2672	0316-97-0442	0	6	IN	SED	RDX	0.99	MG/KG	U
16-021(c)	16-2672	0316-97-0442	0	6	IN	SED	Tetryl	0.74	MG/KG	U
16-021(c)	16-2672	0316-97-0442	0	6	IN	SED	Trinitrobenzene[1,3,5-]	0.25	MG/KG	U
16-021(c)	16-2672	0316-97-0442	0	6	IN	SED	Trinitrotoluene[2,4,6-]	0.25	MG/KG	U
16-021(c)	16-2673	0316-97-0443	0	6	IN	SED	Amino-2,6-dinitrotoluene[4-]	0.5	MG/KG	U
16-021(c)	16-2673	0316-97-0443	0	6	IN	SED	Dinitrobenzene[1,3-]	0.25	MG/KG	U
16-021(c)	16-2673	0316-97-0443	0	6	IN	SED	Dinitrotoluene[2,4-]	0.25	MG/KG	U
16-021(c)	16-2673	0316-97-0443	0	6	IN	SED	Dinitrotoluene[2,6-]	0.26	MG/KG	U
16-021(c)	16-2673	0316-97-0443	0	6	IN	SED	HMX	2.2	MG/KG	U
16-021(c)	16-2673	0316-97-0443	0	6	IN	SED	Nitrobenzene	0.26	MG/KG	U
16-021(c)	16-2673	0316-97-0443	0	6	IN	SED	Nitrotoluene[2-]	1	MG/KG	U
16-021(c)	16-2673	0316-97-0443	0	6	IN	SED	Nitrotoluene[3-]	0.5	MG/KG	U
16-021(c)	16-2673	0316-97-0443	0	6	IN	SED	Nitrotoluene[4-]	1.5	MG/KG	U
16-021(c)	16-2673	0316-97-0443	0	6	IN	SED	RDX	1	MG/KG	U
16-021(c)	16-2673	0316-97-0443	0	6	IN	SED	Tetryl	0.75	MG/KG	U
16-021(c)	16-2673	0316-97-0443	0	6	IN	SED	Trinitrobenzene[1,3,5-]	0.25	MG/KG	U
16-021(c)	16-2673	0316-97-0443	0	6	IN	SED	Trinitrotoluene[2,4,6-]	0.25	MG/KG	U
16-021(c)	16-2674	0316-97-0444	0	6	IN	SED	Amino-2,6-dinitrotoluene[4-]	0.49	MG/KG	U
16-021(c)	16-2674	0316-97-0444	0	6	IN	SED	Dinitrobenzene[1,3-]	0.25	MG/KG	U
16-021(c)	16-2674	0316-97-0444	0	6	IN	SED	Dinitrotoluene[2,4-]	0.25	MG/KG	U
16-021(c)	16-2674	0316-97-0444	0	6	IN	SED	Dinitrotoluene[2,6-]	0.25	MG/KG	U
16-021(c)	16-2674	0316-97-0444	0	6	IN	SED	HMX	14	MG/KG	none

Table I-3.0-3 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2674	0316-97-0444	0	6	IN	SED	Nitrobenzene	0.25	MG/KG	U
16-021(c)	16-2674	0316-97-0444	0	6	IN	SED	Nitrotoluene[2-]	0.98	MG/KG	U
16-021(c)	16-2674	0316-97-0444	0	6	IN	SED	Nitrotoluene[3-]	0.49	MG/KG	U
16-021(c)	16-2674	0316-97-0444	0	6	IN	SED	Nitrotoluene[4-]	1.5	MG/KG	U
16-021(c)	16-2674	0316-97-0444	0	6	IN	SED	RDX	0.98	MG/KG	U
16-021(c)	16-2674	0316-97-0444	0	6	IN	SED	Tetryl	0.74	MG/KG	U
16-021(c)	16-2674	0316-97-0444	0	6	IN	SED	Trinitrobenzene[1,3,5-]	0.25	MG/KG	U
16-021(c)	16-2674	0316-97-0444	0	6	IN	SED	Trinitrotoluene[2,4,6-]	0.25	MG/KG	U
16-021(c)	16-2675	0316-97-0445	0	6	IN	SED	Amino-2,6-dinitrotoluene[4-]	0.5	MG/KG	U
16-021(c)	16-2675	0316-97-0445	0	6	IN	SED	Dinitrobenzene[1,3-]	0.25	MG/KG	U
16-021(c)	16-2675	0316-97-0445	0	6	IN	SED	Dinitrotoluene[2,4-]	0.25	MG/KG	U
16-021(c)	16-2675	0316-97-0445	0	6	IN	SED	Dinitrotoluene[2,6-]	0.26	MG/KG	U
16-021(c)	16-2675	0316-97-0445	0	6	IN	SED	HMX	2.2	MG/KG	U
16-021(c)	16-2675	0316-97-0445	0	6	IN	SED	Nitrobenzene	0.26	MG/KG	U
16-021(c)	16-2675	0316-97-0445	0	6	IN	SED	Nitrotoluene[2-]	0.5	MG/KG	U
16-021(c)	16-2675	0316-97-0445	0	6	IN	SED	Nitrotoluene[3-]	0.5	MG/KG	U
16-021(c)	16-2675	0316-97-0445	0	6	IN	SED	Nitrotoluene[4-]	1.5	MG/KG	U
16-021(c)	16-2675	0316-97-0445	0	6	IN	SED	RDX	1	MG/KG	U
16-021(c)	16-2675	0316-97-0445	0	6	IN	SED	Tetryl	0.75	MG/KG	U
16-021(c)	16-2675	0316-97-0445	0	6	IN	SED	Trinitrobenzene[1,3,5-]	0.25	MG/KG	U
16-021(c)	16-2675	0316-97-0445	0	6	IN	SED	Trinitrotoluene[2,4,6-]	0.25	MG/KG	U
16-021(c)	16-2676	0316-97-0446	0	6	IN	SED	Amino-2,6-dinitrotoluene[4-]	0.5	MG/KG	U
16-021(c)	16-2676	0316-97-0446	0	6	IN	SED	Dinitrobenzene[1,3-]	0.25	MG/KG	U
16-021(c)	16-2676	0316-97-0446	0	6	IN	SED	Dinitrotoluene[2,4-]	0.25	MG/KG	U
16-021(c)	16-2676	0316-97-0446	0	6	IN	SED	Dinitrotoluene[2,6-]	0.26	MG/KG	U
16-021(c)	16-2676	0316-97-0446	0	6	IN	SED	HMX	2.2	MG/KG	U
16-021(c)	16-2676	0316-97-0446	0	6	IN	SED	Nitrobenzene	0.26	MG/KG	U
16-021(c)	16-2676	0316-97-0446	0	6	IN	SED	Nitrotoluene[2-]	0.5	MG/KG	U
16-021(c)	16-2676	0316-97-0446	0	6	IN	SED	Nitrotoluene[3-]	0.5	MG/KG	U
16-021(c)	16-2676	0316-97-0446	0	6	IN	SED	Nitrotoluene[4-]	1.5	MG/KG	U

Table I-3.0-3 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2676	0316-97-0446	0	6	IN	SED	RDX	1	MG/KG	U
16-021(c)	16-2676	0316-97-0446	0	6	IN	SED	Tetryl	0.75	MG/KG	U
16-021(c)	16-2676	0316-97-0446	0	6	IN	SED	Trinitrobenzene[1,3,5-]	0.25	MG/KG	U
16-021(c)	16-2676	0316-97-0446	0	6	IN	SED	Trinitrotoluene[2,4,6-]	0.25	MG/KG	U
16-021(c)	16-2677	0316-97-0447	0	6	IN	SED	Amino-2,6-dinitrotoluene[4-]	0.5	MG/KG	U
16-021(c)	16-2677	0316-97-0447	0	6	IN	SED	Dinitrobenzene[1,3-]	0.25	MG/KG	U
16-021(c)	16-2677	0316-97-0447	0	6	IN	SED	Dinitrotoluene[2,4-]	0.25	MG/KG	U
16-021(c)	16-2677	0316-97-0447	0	6	IN	SED	Dinitrotoluene[2,6-]	0.26	MG/KG	U
16-021(c)	16-2677	0316-97-0447	0	6	IN	SED	HMX	2.2	MG/KG	U
16-021(c)	16-2677	0316-97-0447	0	6	IN	SED	Nitrobenzene	0.26	MG/KG	U
16-021(c)	16-2677	0316-97-0447	0	6	IN	SED	Nitrotoluene[2-]	0.5	MG/KG	U
16-021(c)	16-2677	0316-97-0447	0	6	IN	SED	Nitrotoluene[3-]	0.5	MG/KG	U
16-021(c)	16-2677	0316-97-0447	0	6	IN	SED	Nitrotoluene[4-]	1.5	MG/KG	U
16-021(c)	16-2677	0316-97-0447	0	6	IN	SED	RDX	1	MG/KG	U
16-021(c)	16-2677	0316-97-0447	0	6	IN	SED	Tetryl	0.75	MG/KG	U
16-021(c)	16-2677	0316-97-0447	0	6	IN	SED	Trinitrobenzene[1,3,5-]	0.25	MG/KG	U
16-021(c)	16-2677	0316-97-0447	0	6	IN	SED	Trinitrotoluene[2,4,6-]	0.25	MG/KG	U
16-021(c)	16-2678	0316-97-0448	0	6	IN	SED	Amino-2,6-dinitrotoluene[4-]	0.5	MG/KG	U
16-021(c)	16-2678	0316-97-0448	0	6	IN	SED	Dinitrobenzene[1,3-]	0.25	MG/KG	U
16-021(c)	16-2678	0316-97-0448	0	6	IN	SED	Dinitrotoluene[2,4-]	0.25	MG/KG	U
16-021(c)	16-2678	0316-97-0448	0	6	IN	SED	Dinitrotoluene[2,6-]	0.26	MG/KG	U
16-021(c)	16-2678	0316-97-0448	0	6	IN	SED	HMX	2.2	MG/KG	U
16-021(c)	16-2678	0316-97-0448	0	6	IN	SED	Nitrobenzene	0.26	MG/KG	U
16-021(c)	16-2678	0316-97-0448	0	6	IN	SED	Nitrotoluene[2-]	0.5	MG/KG	U
16-021(c)	16-2678	0316-97-0448	0	6	IN	SED	Nitrotoluene[3-]	0.5	MG/KG	U
16-021(c)	16-2678	0316-97-0448	0	6	IN	SED	Nitrotoluene[4-]	1.5	MG/KG	U
16-021(c)	16-2678	0316-97-0448	0	6	IN	SED	RDX	0.99	MG/KG	U
16-021(c)	16-2678	0316-97-0448	0	6	IN	SED	Tetryl	0.74	MG/KG	U
16-021(c)	16-2678	0316-97-0448	0	6	IN	SED	Trinitrobenzene[1,3,5-]	0.25	MG/KG	U
16-021(c)	16-2678	0316-97-0448	0	6	IN	SED	Trinitrotoluene[2,4,6-]	0.25	MG/KG	U

Table I-3.0-3 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2679	0316-97-0449	0	6	IN	SED	Amino-2,6-dinitrotoluene[4-]	0.5	MG/KG	U
16-021(c)	16-2679	0316-97-0449	0	6	IN	SED	Dinitrobenzene[1,3-]	0.25	MG/KG	U
16-021(c)	16-2679	0316-97-0449	0	6	IN	SED	Dinitrotoluene[2,4-]	0.25	MG/KG	U
16-021(c)	16-2679	0316-97-0449	0	6	IN	SED	Dinitrotoluene[2,6-]	0.26	MG/KG	U
16-021(c)	16-2679	0316-97-0449	0	6	IN	SED	HMX	2.2	MG/KG	U
16-021(c)	16-2679	0316-97-0449	0	6	IN	SED	Nitrobenzene	0.26	MG/KG	U
16-021(c)	16-2679	0316-97-0449	0	6	IN	SED	Nitrotoluene[2-]	0.5	MG/KG	U
16-021(c)	16-2679	0316-97-0449	0	6	IN	SED	Nitrotoluene[3-]	0.5	MG/KG	U
16-021(c)	16-2679	0316-97-0449	0	6	IN	SED	Nitrotoluene[4-]	1.5	MG/KG	U
16-021(c)	16-2679	0316-97-0449	0	6	IN	SED	RDX	1	MG/KG	U
16-021(c)	16-2679	0316-97-0449	0	6	IN	SED	Tetryl	0.75	MG/KG	U
16-021(c)	16-2679	0316-97-0449	0	6	IN	SED	Trinitrobenzene[1,3,5-]	0.25	MG/KG	U
16-021(c)	16-2679	0316-97-0449	0	6	IN	SED	Trinitrotoluene[2,4,6-]	0.25	MG/KG	U
16-021(c)	16-2680	0316-97-0458	0	6	IN	SED	Amino-2,6-dinitrotoluene[4-]	0.49	MG/KG	none
16-021(c)	16-2680	0316-97-0458	0	6	IN	SED	Dinitrobenzene[1,3-]	0.25	MG/KG	none
16-021(c)	16-2680	0316-97-0458	0	6	IN	SED	Dinitrotoluene[2,4-]	0.25	MG/KG	none
16-021(c)	16-2680	0316-97-0458	0	6	IN	SED	Dinitrotoluene[2,6-]	0.25	MG/KG	none
16-021(c)	16-2680	0316-97-0458	0	6	IN	SED	HMX	2.2	MG/KG	none
16-021(c)	16-2680	0316-97-0458	0	6	IN	SED	Nitrobenzene	0.25	MG/KG	none
16-021(c)	16-2680	0316-97-0458	0	6	IN	SED	Nitrotoluene[2-]	0.49	MG/KG	none
16-021(c)	16-2680	0316-97-0458	0	6	IN	SED	Nitrotoluene[3-]	0.49	MG/KG	none
16-021(c)	16-2680	0316-97-0458	0	6	IN	SED	Nitrotoluene[4-]	1.5	MG/KG	none
16-021(c)	16-2680	0316-97-0458	0	6	IN	SED	RDX	0.98	MG/KG	none
16-021(c)	16-2680	0316-97-0458	0	6	IN	SED	Tetryl	0.74	MG/KG	none
16-021(c)	16-2680	0316-97-0458	0	6	IN	SED	Trinitrobenzene[1,3,5-]	0.25	MG/KG	none
16-021(c)	16-2680	0316-97-0458	0	6	IN	SED	Trinitrotoluene[2,4,6-]	0.25	MG/KG	none
16-021(c)	16-2681	0316-97-0459	0	6	IN	SED	Amino-2,6-dinitrotoluene[4-]	0.5	MG/KG	U
16-021(c)	16-2681	0316-97-0459	0	6	IN	SED	Dinitrobenzene[1,3-]	0.25	MG/KG	U
16-021(c)	16-2681	0316-97-0459	0	6	IN	SED	Dinitrotoluene[2,4-]	0.25	MG/KG	U
16-021(c)	16-2681	0316-97-0459	0	6	IN	SED	Dinitrotoluene[2,6-]	0.26	MG/KG	U

Table I-3.0-3 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2681	0316-97-0459	0	6	IN	SED	HMX	2.2	MG/KG	U
16-021(c)	16-2681	0316-97-0459	0	6	IN	SED	Nitrobenzene	0.26	MG/KG	U
16-021(c)	16-2681	0316-97-0459	0	6	IN	SED	Nitrotoluene[2-]	0.5	MG/KG	U
16-021(c)	16-2681	0316-97-0459	0	6	IN	SED	Nitrotoluene[3-]	0.5	MG/KG	U
16-021(c)	16-2681	0316-97-0459	0	6	IN	SED	Nitrotoluene[4-]	1.5	MG/KG	U
16-021(c)	16-2681	0316-97-0459	0	6	IN	SED	RDX	1	MG/KG	U
16-021(c)	16-2681	0316-97-0459	0	6	IN	SED	Tetryl	0.75	MG/KG	U
16-021(c)	16-2681	0316-97-0459	0	6	IN	SED	Trinitrobenzene[1,3,5-]	0.25	MG/KG	U
16-021(c)	16-2681	0316-97-0459	0	6	IN	SED	Trinitrotoluene[2,4,6-]	0.25	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	Amino-2,6-dinitrotoluene[4-]	0.49	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	Dinitrobenzene[1,3-]	0.24	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	Dinitrotoluene[2,4-]	0.24	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	Dinitrotoluene[2,6-]	0.25	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	HMX	10	MG/KG	none
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	Nitrobenzene	0.25	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	Nitrotoluene[2-]	0.49	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	Nitrotoluene[3-]	0.49	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	Nitrotoluene[4-]	1.5	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	RDX	0.98	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	Tetryl	0.73	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	Trinitrobenzene[1,3,5-]	0.24	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	Trinitrotoluene[2,4,6-]	0.24	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	Amino-2,6-dinitrotoluene[4-]	0.56	MG/KG	none
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	Dinitrobenzene[1,3-]	0.25	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	Dinitrotoluene[2,4-]	0.25	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	Dinitrotoluene[2,6-]	0.26	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	HMX	4.5	MG/KG	none
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	Nitrobenzene	0.26	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	Nitrotoluene[2-]	0.5	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	Nitrotoluene[3-]	0.5	MG/KG	U

Table I-3.0-3 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	Nitrotoluene[4-]	1.5	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	RDX	1	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	Tetryl	0.75	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	Trinitrobenzene[1,3,5-]	0.25	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	Trinitrotoluene[2,4,6-]	1.1	MG/KG	none
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	Amino-2,6-dinitrotoluene[4-]	0.49	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	Dinitrobenzene[1,3-]	0.25	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	Dinitrotoluene[2,4-]	0.25	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	Dinitrotoluene[2,6-]	0.26	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	HMX	4.9	MG/KG	none
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	Nitrobenzene	0.26	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	Nitrotoluene[2-]	0.49	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	Nitrotoluene[3-]	0.49	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	Nitrotoluene[4-]	1.5	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	RDX	0.99	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	Tetryl	0.74	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	Trinitrobenzene[1,3,5-]	0.25	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	Trinitrotoluene[2,4,6-]	0.25	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	Amino-2,6-dinitrotoluene[4-]	0.79	MG/KG	none
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	Dinitrobenzene[1,3-]	0.25	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	Dinitrotoluene[2,4-]	0.25	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	Dinitrotoluene[2,6-]	0.26	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	HMX	1	MG/KG	J
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	Nitrobenzene	0.26	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	Nitrotoluene[2-]	0.5	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	Nitrotoluene[3-]	0.5	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	Nitrotoluene[4-]	1.5	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	RDX	1	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	Tetryl	0.75	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	Trinitrobenzene[1,3,5-]	0.25	MG/KG	U

Table I-3.0-3 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	Trinitrotoluene[2,4,6-]	0.25	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	Amino-2,6-dinitrotoluene[4-]	0.5	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	Dinitrobenzene[1,3-]	0.25	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	Dinitrotoluene[2,4-]	0.25	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	Dinitrotoluene[2,6-]	0.26	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	HMX	1.6	MG/KG	J
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	Nitrobenzene	0.26	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	Nitrotoluene[2-]	0.5	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	Nitrotoluene[3-]	0.5	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	Nitrotoluene[4-]	1.5	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	RDX	0.99	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	Tetryl	0.74	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	Trinitrobenzene[1,3,5-]	0.25	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	Trinitrotoluene[2,4,6-]	0.25	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	Amino-2,6-dinitrotoluene[4-]	2.5	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	Dinitrobenzene[1,3-]	1.2	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	Dinitrotoluene[2,4-]	1.2	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	Dinitrotoluene[2,6-]	1.3	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	HMX	27	MG/KG	none
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	Nitrobenzene	1.3	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	Nitrotoluene[2-]	2.5	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	Nitrotoluene[3-]	2.5	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	Nitrotoluene[4-]	7.4	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	RDX	42	MG/KG	none
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	Tetryl	3.7	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	Trinitrobenzene[1,3,5-]	1.2	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	Trinitrotoluene[2,4,6-]	1.2	MG/KG	U
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Amino-2,6-dinitrotoluene[4-]	0.086	MG/KG	U
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Amino-4,6-dinitrotoluene[2-]	0.083	MG/KG	U
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Dinitrobenzene[1,3-]	0.081	MG/KG	U

Table I-3.0-3 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Dinitrotoluene[2,4-]	0.063	MG/KG	U
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Dinitrotoluene[2,6-]	0.082	MG/KG	U
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	HMX	0.164	MG/KG	U
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Nitrobenzene	0.086	MG/KG	U
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Nitrotoluene[2-]	0.148	MG/KG	U
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Nitrotoluene[3-]	0.178	MG/KG	U
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Nitrotoluene[4-]	0.18	MG/KG	U
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	RDX	0.162	MG/KG	U
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Tetryl	0.094	MG/KG	U
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Trinitrobenzene[1,3,5-]	0.079	MG/KG	U
16-021(c)	16-2749	0816-96-0060	0	6	IN	SED	Trinitrotoluene[2,4,6-]	0.089	MG/KG	U
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Amino-2,6-dinitrotoluene[4-]	0.086	MG/KG	U
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Amino-4,6-dinitrotoluene[2-]	0.083	MG/KG	U
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Dinitrobenzene[1,3-]	0.081	MG/KG	U
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Dinitrotoluene[2,4-]	0.063	MG/KG	U
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Dinitrotoluene[2,6-]	0.081	MG/KG	U
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	HMX	0.164	MG/KG	U
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Nitrobenzene	0.086	MG/KG	U
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Nitrotoluene[2-]	0.148	MG/KG	U
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Nitrotoluene[3-]	0.178	MG/KG	U
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Nitrotoluene[4-]	0.179	MG/KG	U
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	RDX	0.161	MG/KG	U
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Tetryl	0.094	MG/KG	U
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Trinitrobenzene[1,3,5-]	0.079	MG/KG	U
16-021(c)	16-2750	0816-96-0061	0	6	IN	SED	Trinitrotoluene[2,4,6-]	0.088	MG/KG	U
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Amino-2,6-dinitrotoluene[4-]	0.085	MG/KG	U
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Amino-4,6-dinitrotoluene[2-]	0.082	MG/KG	U
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Dinitrobenzene[1,3-]	0.081	MG/KG	U
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Dinitrotoluene[2,4-]	0.063	MG/KG	U
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Dinitrotoluene[2,6-]	0.081	MG/KG	U

Table I-3.0-3 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	HMX	0.164	MG/KG	U
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Nitrobenzene	0.085	MG/KG	U
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Nitrotoluene[2-]	0.148	MG/KG	U
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Nitrotoluene[3-]	0.177	MG/KG	U
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Nitrotoluene[4-]	0.179	MG/KG	U
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	RDX	0.161	MG/KG	U
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Tetryl	0.093	MG/KG	U
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Trinitrobenzene[1,3,5-]	0.078	MG/KG	U
16-021(c)	16-2751	0816-96-0062	0	6	IN	SED	Trinitrotoluene[2,4,6-]	0.088	MG/KG	U
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Amino-2,6-dinitrotoluene[4-]	0.086	MG/KG	U
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Amino-4,6-dinitrotoluene[2-]	0.083	MG/KG	U
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Dinitrobenzene[1,3-]	0.081	MG/KG	U
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Dinitrotoluene[2,4-]	0.063	MG/KG	U
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Dinitrotoluene[2,6-]	0.081	MG/KG	U
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	HMX	0.164	MG/KG	U
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Nitrobenzene	0.086	MG/KG	U
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Nitrotoluene[2-]	0.148	MG/KG	U
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Nitrotoluene[3-]	0.178	MG/KG	U
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Nitrotoluene[4-]	0.18	MG/KG	U
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	RDX	0.161	MG/KG	U
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Tetryl	0.094	MG/KG	U
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Trinitrobenzene[1,3,5-]	0.079	MG/KG	U
16-021(c)	16-2752	0816-96-0063	0	6	IN	SED	Trinitrotoluene[2,4,6-]	0.088	MG/KG	U
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Amino-2,6-dinitrotoluene[4-]	0.43	MG/KG	none
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Amino-4,6-dinitrotoluene[2-]	0.494	MG/KG	none
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Dinitrobenzene[1,3-]	0.081	MG/KG	U
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Dinitrotoluene[2,4-]	0.063	MG/KG	U
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Dinitrotoluene[2,6-]	0.082	MG/KG	U
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	HMX	0.822	MG/KG	U
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Nitrobenzene	0.086	MG/KG	U

Table I-3.0-3 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Nitrotoluene[2-]	0.148	MG/KG	U
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Nitrotoluene[3-]	0.178	MG/KG	U
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Nitrotoluene[4-]	0.18	MG/KG	U
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	RDX	1.24	MG/KG	none
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Tetryl	0.094	MG/KG	U
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Trinitrobenzene[1,3,5-]	0.079	MG/KG	U
16-021(c)	16-2753	0816-96-0064	0	6	IN	SED	Trinitrotoluene[2,4,6-]	0.447	MG/KG	none
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Amino-2,6-dinitrotoluene[4-]	0.908	MG/KG	none
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Amino-4,6-dinitrotoluene[2-]	0.733	MG/KG	none
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Dinitrobenzene[1,3-]	0.081	MG/KG	U
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Dinitrotoluene[2,4-]	0.063	MG/KG	U
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Dinitrotoluene[2,6-]	0.081	MG/KG	U
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	HMX	0.164	MG/KG	U
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Nitrobenzene	0.085	MG/KG	U
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Nitrotoluene[2-]	0.148	MG/KG	U
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Nitrotoluene[3-]	0.177	MG/KG	U
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Nitrotoluene[4-]	0.179	MG/KG	U
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	RDX	0.974	MG/KG	none
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Tetryl	0.093	MG/KG	U
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Trinitrobenzene[1,3,5-]	0.078	MG/KG	U
16-021(c)	16-2754	0816-96-0065	0	6	IN	SED	Trinitrotoluene[2,4,6-]	1.35	MG/KG	none
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Amino-2,6-dinitrotoluene[4-]	0.085	MG/KG	U
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Amino-4,6-dinitrotoluene[2-]	0.082	MG/KG	U
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Dinitrobenzene[1,3-]	0.081	MG/KG	U
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Dinitrotoluene[2,4-]	0.062	MG/KG	U
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Dinitrotoluene[2,6-]	0.081	MG/KG	U
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	HMX	0.815	MG/KG	U
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Nitrobenzene	0.085	MG/KG	U
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Nitrotoluene[2-]	0.147	MG/KG	U
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Nitrotoluene[3-]	0.177	MG/KG	U

Table I-3.0-3 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Nitrotoluene[4-]	0.179	MG/KG	U
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	RDX	0.16	MG/KG	U
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Tetryl	0.093	MG/KG	U
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Trinitrobenzene[1,3,5-]	0.078	MG/KG	U
16-021(c)	16-2755	0816-96-0066	0	6	IN	SED	Trinitrotoluene[2,4,6-]	0.088	MG/KG	U
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Amino-2,6-dinitrotoluene[4-]	0.238	MG/KG	none
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Amino-4,6-dinitrotoluene[2-]	0.426	MG/KG	U
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Dinitrobenzene[1,3-]	0.084	MG/KG	U
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Dinitrotoluene[2,4-]	0.065	MG/KG	U
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Dinitrotoluene[2,6-]	0.084	MG/KG	U
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	HMX	0.846	MG/KG	U
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Nitrobenzene	0.088	MG/KG	U
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Nitrotoluene[2-]	0.153	MG/KG	U
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Nitrotoluene[3-]	0.183	MG/KG	U
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Nitrotoluene[4-]	0.185	MG/KG	U
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	RDX	0.695	MG/KG	none
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Tetryl	0.097	MG/KG	U
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Trinitrobenzene[1,3,5-]	0.081	MG/KG	U
16-021(c)	16-2756	0816-96-0067	0	6	IN	SED	Trinitrotoluene[2,4,6-]	0.091	MG/KG	U
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Amino-2,6-dinitrotoluene[4-]	0.523	MG/KG	none
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Amino-4,6-dinitrotoluene[2-]	0.459	MG/KG	U
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Dinitrobenzene[1,3-]	0.09	MG/KG	U
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Dinitrotoluene[2,4-]	0.07	MG/KG	U
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Dinitrotoluene[2,6-]	0.091	MG/KG	U
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	HMX	43.5	MG/KG	none
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Nitrobenzene	0.095	MG/KG	U
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Nitrotoluene[2-]	0.165	MG/KG	U
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Nitrotoluene[3-]	0.198	MG/KG	U
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Nitrotoluene[4-]	0.2	MG/KG	U
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	RDX	5.88	MG/KG	none

Table I-3.0-3 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Tetryl	0.104	MG/KG	U
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Trinitrobenzene[1,3,5-]	0.087	MG/KG	U
16-021(c)	16-2757	0816-96-0068	0	6	IN	SED	Trinitrotoluene[2,4,6-]	0.302	MG/KG	none
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Amino-2,6-dinitrotoluene[4-]	0.556	MG/KG	none
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Amino-4,6-dinitrotoluene[2-]	0.52	MG/KG	none
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Dinitrobenzene[1,3-]	0.081	MG/KG	U
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Dinitrotoluene[2,4-]	0.063	MG/KG	U
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Dinitrotoluene[2,6-]	0.081	MG/KG	U
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	HMX	0.821	MG/KG	U
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Nitrobenzene	0.086	MG/KG	U
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Nitrotoluene[2-]	0.148	MG/KG	U
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Nitrotoluene[3-]	0.178	MG/KG	U
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Nitrotoluene[4-]	0.18	MG/KG	U
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	RDX	1.1	MG/KG	none
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Tetryl	0.094	MG/KG	U
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Trinitrobenzene[1,3,5-]	0.079	MG/KG	U
16-021(c)	16-2758	0816-96-0069	0	6	IN	SED	Trinitrotoluene[2,4,6-]	0.089	MG/KG	U
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Amino-2,6-dinitrotoluene[4-]	0.14	MG/KG	none
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Amino-4,6-dinitrotoluene[2-]	0.085	MG/KG	U
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Dinitrobenzene[1,3-]	0.084	MG/KG	U
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Dinitrotoluene[2,4-]	0.065	MG/KG	U
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Dinitrotoluene[2,6-]	0.084	MG/KG	U
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	HMX	0.169	MG/KG	U
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Nitrobenzene	0.088	MG/KG	none
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Nitrotoluene[2-]	0.152	MG/KG	U
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Nitrotoluene[3-]	0.183	MG/KG	U
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Nitrotoluene[4-]	0.185	MG/KG	U
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	RDX	0.292	MG/KG	none
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Tetryl	0.097	MG/KG	U
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Trinitrobenzene[1,3,5-]	0.081	MG/KG	U

Table I-3.0-3 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2759	0816-96-0070	0	6	IN	SED	Trinitrotoluene[2,4,6-]	0.091	MG/KG	U
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Amino-2,6-dinitrotoluene[4-]	0.714	MG/KG	none
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Amino-4,6-dinitrotoluene[2-]	1.02	MG/KG	none
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Dinitrobenzene[1,3-]	0.082	MG/KG	U
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Dinitrotoluene[2,4-]	0.063	MG/KG	U
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Dinitrotoluene[2,6-]	0.082	MG/KG	U
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	HMX	19.4	MG/KG	none
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Nitrobenzene	0.086	MG/KG	U
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Nitrotoluene[2-]	0.149	MG/KG	U
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Nitrotoluene[3-]	0.179	MG/KG	U
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Nitrotoluene[4-]	0.181	MG/KG	U
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	RDX	1.61	MG/KG	none
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Tetryl	0.094	MG/KG	U
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Trinitrobenzene[1,3,5-]	0.079	MG/KG	U
16-021(c)	16-2760	0816-96-0071	0	6	IN	SED	Trinitrotoluene[2,4,6-]	0.089	MG/KG	U
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Amino-2,6-dinitrotoluene[4-]	0.213	MG/KG	none
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Amino-4,6-dinitrotoluene[2-]	0.429	MG/KG	U
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Dinitrobenzene[1,3-]	0.084	MG/KG	U
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Dinitrotoluene[2,4-]	0.065	MG/KG	U
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Dinitrotoluene[2,6-]	0.085	MG/KG	U
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	HMX	18.1	MG/KG	none
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Nitrobenzene	0.089	MG/KG	U
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Nitrotoluene[2-]	0.154	MG/KG	U
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Nitrotoluene[3-]	0.185	MG/KG	U
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Nitrotoluene[4-]	0.187	MG/KG	U
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	RDX	1.55	MG/KG	none
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Tetryl	0.097	MG/KG	U
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Trinitrobenzene[1,3,5-]	0.082	MG/KG	U
16-021(c)	16-2761	0816-96-0072	0	6	IN	SED	Trinitrotoluene[2,4,6-]	0.099	MG/KG	none
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Amino-2,6-dinitrotoluene[4-]	0.389	MG/KG	none

Table I-3.0-3 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Amino-4,6-dinitrotoluene[2-]	0.453	MG/KG	U
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Dinitrobenzene[1,3-]	0.089	MG/KG	U
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Dinitrotoluene[2,4-]	0.069	MG/KG	U
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Dinitrotoluene[2,6-]	0.089	MG/KG	U
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	HMX	8.57	MG/KG	none
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Nitrobenzene	0.094	MG/KG	U
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Nitrotoluene[2-]	0.162	MG/KG	U
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Nitrotoluene[3-]	0.195	MG/KG	U
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Nitrotoluene[4-]	0.197	MG/KG	U
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	RDX	2.25	MG/KG	none
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Tetryl	0.103	MG/KG	U
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Trinitrobenzene[1,3,5-]	0.086	MG/KG	U
16-021(c)	16-2762	0816-96-0073	0	6	IN	SED	Trinitrotoluene[2,4,6-]	0.097	MG/KG	U
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Amino-2,6-dinitrotoluene[4-]	0.521	MG/KG	none
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Amino-4,6-dinitrotoluene[2-]	0.537	MG/KG	none
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Dinitrobenzene[1,3-]	0.081	MG/KG	U
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Dinitrotoluene[2,4-]	0.063	MG/KG	U
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Dinitrotoluene[2,6-]	0.082	MG/KG	U
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	HMX	6.33	MG/KG	none
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Nitrobenzene	0.086	MG/KG	U
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Nitrotoluene[2-]	0.149	MG/KG	U
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Nitrotoluene[3-]	0.179	MG/KG	U
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Nitrotoluene[4-]	0.181	MG/KG	U
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	RDX	1.01	MG/KG	none
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Tetryl	0.094	MG/KG	U
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Trinitrobenzene[1,3,5-]	0.079	MG/KG	U
16-021(c)	16-2763	0816-96-0074	0	6	IN	SED	Trinitrotoluene[2,4,6-]	0.37	MG/KG	none
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Amino-2,6-dinitrotoluene[4-]	0.156	MG/KG	none
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Amino-4,6-dinitrotoluene[2-]	0.416	MG/KG	U
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Dinitrobenzene[1,3-]	0.082	MG/KG	U

Table I-3.0-3 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Dinitrotoluene[2,4-]	0.063	MG/KG	U
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Dinitrotoluene[2,6-]	0.082	MG/KG	U
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	HMX	0.827	MG/KG	U
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Nitrobenzene	0.086	MG/KG	U
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Nitrotoluene[2-]	0.149	MG/KG	U
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Nitrotoluene[3-]	0.179	MG/KG	U
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Nitrotoluene[4-]	0.181	MG/KG	U
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	RDX	0.201	MG/KG	none
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Tetryl	0.094	MG/KG	U
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Trinitrobenzene[1,3,5-]	0.079	MG/KG	U
16-021(c)	16-2764	0816-96-0075	0	6	IN	SED	Trinitrotoluene[2,4,6-]	0.089	MG/KG	U
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Amino-2,6-dinitrotoluene[4-]	0.085	MG/KG	U
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Amino-4,6-dinitrotoluene[2-]	0.412	MG/KG	U
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Dinitrobenzene[1,3-]	0.081	MG/KG	U
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Dinitrotoluene[2,4-]	0.063	MG/KG	U
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Dinitrotoluene[2,6-]	0.081	MG/KG	U
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	HMX	0.164	MG/KG	U
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Nitrobenzene	0.085	MG/KG	U
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Nitrotoluene[2-]	0.148	MG/KG	U
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Nitrotoluene[3-]	0.177	MG/KG	U
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Nitrotoluene[4-]	0.179	MG/KG	U
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	RDX	0.161	MG/KG	U
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Tetryl	0.093	MG/KG	U
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Trinitrobenzene[1,3,5-]	0.078	MG/KG	U
16-021(c)	16-2765	0816-96-0076	0	6	IN	SED	Trinitrotoluene[2,4,6-]	0.088	MG/KG	U
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Amino-2,6-dinitrotoluene[4-]	0.205	MG/KG	none
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Amino-4,6-dinitrotoluene[2-]	0.422	MG/KG	U
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Dinitrobenzene[1,3-]	0.083	MG/KG	U
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Dinitrotoluene[2,4-]	0.064	MG/KG	U
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Dinitrotoluene[2,6-]	0.083	MG/KG	U

Table I-3.0-3 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	HMX	0.838	MG/KG	U
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Nitrobenzene	0.087	MG/KG	U
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Nitrotoluene[2-]	0.151	MG/KG	U
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Nitrotoluene[3-]	0.182	MG/KG	U
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Nitrotoluene[4-]	0.184	MG/KG	U
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	RDX	0.165	MG/KG	U
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Tetryl	0.096	MG/KG	U
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Trinitrobenzene[1,3,5-]	0.08	MG/KG	U
16-021(c)	16-2766	0816-96-0077	0	6	IN	SED	Trinitrotoluene[2,4,6-]	0.09	MG/KG	U
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Amino-2,6-dinitrotoluene[4-]	0.247	MG/KG	none
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Amino-4,6-dinitrotoluene[2-]	0.434	MG/KG	U
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Dinitrobenzene[1,3-]	0.085	MG/KG	U
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Dinitrotoluene[2,4-]	0.066	MG/KG	U
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Dinitrotoluene[2,6-]	0.086	MG/KG	U
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	HMX	86.1	MG/KG	none
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Nitrobenzene	0.09	MG/KG	U
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Nitrotoluene[2-]	0.155	MG/KG	U
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Nitrotoluene[3-]	0.187	MG/KG	U
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Nitrotoluene[4-]	0.189	MG/KG	U
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	RDX	2.48	MG/KG	none
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Tetryl	0.098	MG/KG	U
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Trinitrobenzene[1,3,5-]	0.083	MG/KG	U
16-021(c)	16-2767	0816-96-0078	0	6	IN	SED	Trinitrotoluene[2,4,6-]	0.093	MG/KG	U
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Amino-2,6-dinitrotoluene[4-]	0.286	MG/KG	none
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Amino-4,6-dinitrotoluene[2-]	0.435	MG/KG	U
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Dinitrobenzene[1,3-]	0.085	MG/KG	U
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Dinitrotoluene[2,4-]	0.066	MG/KG	U
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Dinitrotoluene[2,6-]	0.086	MG/KG	U
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	HMX	170	MG/KG	none
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Nitrobenzene	0.09	MG/KG	U

Table I-3.0-3 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Nitrotoluene[2-]	0.156	MG/KG	U
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Nitrotoluene[3-]	0.187	MG/KG	U
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Nitrotoluene[4-]	0.189	MG/KG	U
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	RDX	0.17	MG/KG	U
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Tetryl	0.099	MG/KG	U
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Trinitrobenzene[1,3,5-]	0.083	MG/KG	U
16-021(c)	16-2767	0816-96-0079	0	6	IN	SED	Trinitrotoluene[2,4,6-]	0.225	MG/KG	none
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Amino-2,6-dinitrotoluene[4-]	0.14	MG/KG	none
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Amino-4,6-dinitrotoluene[2-]	0.41	MG/KG	U
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Dinitrobenzene[1,3-]	0.08	MG/KG	U
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Dinitrotoluene[2,4-]	0.062	MG/KG	U
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Dinitrotoluene[2,6-]	0.081	MG/KG	U
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	HMX	1.29	MG/KG	none
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Nitrobenzene	0.085	MG/KG	U
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Nitrotoluene[2-]	0.147	MG/KG	U
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Nitrotoluene[3-]	0.176	MG/KG	U
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Nitrotoluene[4-]	0.178	MG/KG	U
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	RDX	0.16	MG/KG	U
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Tetryl	0.093	MG/KG	U
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Trinitrobenzene[1,3,5-]	0.078	MG/KG	U
16-021(c)	16-2768	0816-96-0080	0	6	IN	SED	Trinitrotoluene[2,4,6-]	0.088	MG/KG	U
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Amino-2,6-dinitrotoluene[4-]	0.085	MG/KG	U
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Amino-4,6-dinitrotoluene[2-]	0.082	MG/KG	U
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Dinitrobenzene[1,3-]	0.08	MG/KG	U
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Dinitrotoluene[2,4-]	0.062	MG/KG	U
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Dinitrotoluene[2,6-]	0.081	MG/KG	U
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	HMX	0.163	MG/KG	U
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Nitrobenzene	0.085	MG/KG	U
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Nitrotoluene[2-]	0.147	MG/KG	U
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Nitrotoluene[3-]	0.176	MG/KG	U

Table I-3.0-3 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Nitrotoluene[4-]	0.178	MG/KG	U
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	RDX	0.16	MG/KG	U
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Tetryl	0.093	MG/KG	U
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Trinitrobenzene[1,3,5-]	0.078	MG/KG	U
16-021(c)	16-2769	0816-96-0081	0	6	IN	SED	Trinitrotoluene[2,4,6-]	0.088	MG/KG	U
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Amino-2,6-dinitrotoluene[4-]	0.085	MG/KG	U
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Amino-4,6-dinitrotoluene[2-]	0.41	MG/KG	U
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Dinitrobenzene[1,3-]	0.081	MG/KG	U
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Dinitrotoluene[2,4-]	0.062	MG/KG	U
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Dinitrotoluene[2,6-]	0.081	MG/KG	U
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	HMX	33.6	MG/KG	none
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Nitrobenzene	0.085	MG/KG	U
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Nitrotoluene[2-]	0.147	MG/KG	U
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Nitrotoluene[3-]	0.177	MG/KG	U
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Nitrotoluene[4-]	0.179	MG/KG	U
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	RDX	0.16	MG/KG	U
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Tetryl	0.093	MG/KG	U
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Trinitrobenzene[1,3,5-]	0.078	MG/KG	U
16-021(c)	16-2770	0816-96-0082	0	6	IN	SED	Trinitrotoluene[2,4,6-]	0.088	MG/KG	U
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Amino-2,6-dinitrotoluene[4-]	0.085	MG/KG	U
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Amino-4,6-dinitrotoluene[2-]	0.082	MG/KG	U
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Dinitrobenzene[1,3-]	0.08	MG/KG	U
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Dinitrotoluene[2,4-]	0.062	MG/KG	U
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Dinitrotoluene[2,6-]	0.081	MG/KG	U
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	HMX	0.163	MG/KG	U
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Nitrobenzene	0.085	MG/KG	U
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Nitrotoluene[2-]	0.147	MG/KG	U
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Nitrotoluene[3-]	0.176	MG/KG	U
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Nitrotoluene[4-]	0.178	MG/KG	U
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	RDX	0.16	MG/KG	U

Table I-3.0-3 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Tetryl	0.093	MG/KG	U
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Trinitrobenzene[1,3,5-]	0.078	MG/KG	U
16-021(c)	16-2771	0816-96-0083	0	6	IN	SED	Trinitrotoluene[2,4,6-]	0.088	MG/KG	U
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Amino-2,6-dinitrotoluene[4-]	0.085	MG/KG	U
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Amino-4,6-dinitrotoluene[2-]	0.41	MG/KG	U
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Dinitrobenzene[1,3-]	0.08	MG/KG	U
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Dinitrotoluene[2,4-]	0.062	MG/KG	U
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Dinitrotoluene[2,6-]	0.081	MG/KG	U
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	HMX	0.163	MG/KG	U
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Nitrobenzene	0.085	MG/KG	U
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Nitrotoluene[2-]	0.147	MG/KG	U
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Nitrotoluene[3-]	0.176	MG/KG	U
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Nitrotoluene[4-]	0.178	MG/KG	U
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	RDX	0.16	MG/KG	U
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Tetryl	0.093	MG/KG	U
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Trinitrobenzene[1,3,5-]	0.114	MG/KG	none
16-021(c)	16-2772	0816-96-0084	0	6	IN	SED	Trinitrotoluene[2,4,6-]	0.088	MG/KG	U
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Amino-2,6-dinitrotoluene[4-]	0.085	MG/KG	U
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Amino-4,6-dinitrotoluene[2-]	0.082	MG/KG	U
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Dinitrobenzene[1,3-]	0.08	MG/KG	U
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Dinitrotoluene[2,4-]	0.062	MG/KG	U
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Dinitrotoluene[2,6-]	0.081	MG/KG	U
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	HMX	0.162	MG/KG	U
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Nitrobenzene	0.085	MG/KG	U
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Nitrotoluene[2-]	0.146	MG/KG	U
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Nitrotoluene[3-]	0.354	MG/KG	none
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Nitrotoluene[4-]	0.178	MG/KG	U
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	RDX	0.16	MG/KG	U
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Tetryl	0.093	MG/KG	U
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Trinitrobenzene[1,3,5-]	0.078	MG/KG	U

Table I-3.0-3 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2773	0816-96-0085	0	6	IN	SED	Trinitrotoluene[2,4,6-]	0.088	MG/KG	U
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Amino-2,6-dinitrotoluene[4-]	0.168	MG/KG	none
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Amino-4,6-dinitrotoluene[2-]	0.411	MG/KG	U
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Dinitrobenzene[1,3-]	0.081	MG/KG	U
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Dinitrotoluene[2,4-]	0.063	MG/KG	U
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Dinitrotoluene[2,6-]	0.081	MG/KG	U
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	HMX	0.163	MG/KG	U
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Nitrobenzene	0.085	MG/KG	U
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Nitrotoluene[2-]	0.147	MG/KG	U
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Nitrotoluene[3-]	0.356	MG/KG	U
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Nitrotoluene[4-]	0.179	MG/KG	U
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	RDX	0.161	MG/KG	U
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Tetryl	0.093	MG/KG	U
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Trinitrobenzene[1,3,5-]	0.078	MG/KG	U
16-021(c)	16-2774	0816-96-0086	0	6	IN	SED	Trinitrotoluene[2,4,6-]	0.121	MG/KG	none
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Amino-2,6-dinitrotoluene[4-]	0.085	MG/KG	U
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Amino-4,6-dinitrotoluene[2-]	0.082	MG/KG	U
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Dinitrobenzene[1,3-]	0.08	MG/KG	U
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Dinitrotoluene[2,4-]	0.062	MG/KG	U
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Dinitrotoluene[2,6-]	0.081	MG/KG	U
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	HMX	0.163	MG/KG	U
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Nitrobenzene	0.085	MG/KG	U
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Nitrotoluene[2-]	0.147	MG/KG	U
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Nitrotoluene[3-]	0.176	MG/KG	U
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Nitrotoluene[4-]	0.178	MG/KG	U
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	RDX	0.16	MG/KG	U
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Tetryl	0.093	MG/KG	U
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Trinitrobenzene[1,3,5-]	0.078	MG/KG	U
16-021(c)	16-2775	0816-96-0087	0	6	IN	SED	Trinitrotoluene[2,4,6-]	0.111	MG/KG	none
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Amino-2,6-dinitrotoluene[4-]	0.086	MG/KG	U

Table I-3.0-3 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Amino-4,6-dinitrotoluene[2-]	0.083	MG/KG	U
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Dinitrobenzene[1,3-]	0.081	MG/KG	U
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Dinitrotoluene[2,4-]	0.063	MG/KG	U
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Dinitrotoluene[2,6-]	0.081	MG/KG	U
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	HMX	0.164	MG/KG	U
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Nitrobenzene	0.086	MG/KG	U
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Nitrotoluene[2-]	0.148	MG/KG	U
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Nitrotoluene[3-]	0.357	MG/KG	U
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Nitrotoluene[4-]	0.18	MG/KG	U
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	RDX	0.162	MG/KG	U
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Tetryl	0.094	MG/KG	U
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Trinitrobenzene[1,3,5-]	0.079	MG/KG	U
16-021(c)	16-2776	0816-96-0088	0	6	IN	SED	Trinitrotoluene[2,4,6-]	0.089	MG/KG	U
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Amino-2,6-dinitrotoluene[4-]	0.085	MG/KG	U
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Amino-4,6-dinitrotoluene[2-]	0.082	MG/KG	U
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Dinitrobenzene[1,3-]	0.08	MG/KG	U
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Dinitrotoluene[2,4-]	0.062	MG/KG	U
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Dinitrotoluene[2,6-]	0.081	MG/KG	U
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	HMX	0.163	MG/KG	U
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Nitrobenzene	0.085	MG/KG	U
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Nitrotoluene[2-]	0.147	MG/KG	U
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Nitrotoluene[3-]	0.176	MG/KG	U
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Nitrotoluene[4-]	0.178	MG/KG	U
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	RDX	0.16	MG/KG	U
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Tetryl	0.093	MG/KG	U
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Trinitrobenzene[1,3,5-]	0.078	MG/KG	U
16-021(c)	16-2777	0816-96-0089	0	6	IN	SED	Trinitrotoluene[2,4,6-]	0.088	MG/KG	U
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Amino-2,6-dinitrotoluene[4-]	0.517	MG/KG	none
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Amino-4,6-dinitrotoluene[2-]	0.555	MG/KG	none
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Dinitrobenzene[1,3-]	0.083	MG/KG	U

Table I-3.0-3 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Dinitrotoluene[2,4-]	0.064	MG/KG	U
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Dinitrotoluene[2,6-]	0.084	MG/KG	U
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	HMX	18	MG/KG	none
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Nitrobenzene	0.088	MG/KG	U
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Nitrotoluene[2-]	0.152	MG/KG	U
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Nitrotoluene[3-]	0.182	MG/KG	U
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Nitrotoluene[4-]	0.184	MG/KG	U
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	RDX	4.86	MG/KG	none
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Tetryl	0.096	MG/KG	U
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Trinitrobenzene[1,3,5-]	0.081	MG/KG	U
16-021(c)	16-2778	0816-96-0090	0	6	IN	SED	Trinitrotoluene[2,4,6-]	0.54	MG/KG	none
16-018	16-1001	AAB1609	NAv[a]	NAv	NAv	SED	Dinitrobenzene[1,3-]	0.63	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	Dinitrotoluene[2,4-]	0.63	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	Dinitrotoluene[2,6-]	0.65	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	HMX	5.5	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	Nitrobenzene	0.65	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	Nitrotoluene[2-]	0.63	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	Nitrotoluene[3-]	0.63	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	Nitrotoluene[4-]	0.63	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	RDX	2.5	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	Tetryl	1.6	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	Trinitrobenzene[1,3,5-]	0.63	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	Trinitrotoluene[2,4,6-]	0.63	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	Dinitrobenzene[1,3-]	0.63	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	Dinitrotoluene[2,4-]	0.63	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	Dinitrotoluene[2,6-]	0.65	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	HMX	5.5	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	Nitrobenzene	0.65	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	Nitrotoluene[2-]	0.63	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	Nitrotoluene[3-]	0.63	MG/KG	U

Table I-3.0-3 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	Nitrotoluene[4-]	0.63	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	RDX	2.5	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	Tetryl	1.6	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	Trinitrobenzene[1,3,5-]	0.63	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	Trinitrotoluene[2,4,6-]	0.63	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	Dinitrobenzene[1,3-]	0.63	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	Dinitrotoluene[2,4-]	0.63	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	Dinitrotoluene[2,6-]	0.65	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	HMX	5.5	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	Nitrobenzene	0.65	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	Nitrotoluene[2-]	0.63	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	Nitrotoluene[3-]	0.63	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	Nitrotoluene[4-]	0.63	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	RDX	2.5	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	Tetryl	1.6	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	Trinitrobenzene[1,3,5-]	0.63	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	Trinitrotoluene[2,4,6-]	1.8	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	Dinitrobenzene[1,3-]	0.63	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	Dinitrotoluene[2,4-]	0.63	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	Dinitrotoluene[2,6-]	0.65	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	HMX	5.5	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	Nitrobenzene	0.65	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	Nitrotoluene[2-]	0.63	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	Nitrotoluene[3-]	0.63	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	Nitrotoluene[4-]	0.63	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	RDX	2.5	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	Tetryl	1.6	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	Trinitrobenzene[1,3,5-]	0.63	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	Trinitrotoluene[2,4,6-]	0.63	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	Dinitrobenzene[1,3-]	0.63	MG/KG	U

Table I-3.0-3 (concluded)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	Dinitrotoluene[2,4-]	0.63	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	Dinitrotoluene[2,6-]	0.65	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	HMX	5.5	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	Nitrobenzene	0.65	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	Nitrotoluene[2-]	0.63	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	Nitrotoluene[3-]	0.63	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	Nitrotoluene[4-]	0.63	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	RDX	2.5	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	Tetryl	1.6	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	Trinitrobenzene[1,3,5-]	0.63	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	Trinitrotoluene[2,4,6-]	0.63	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	Dinitrobenzene[1,3-]	0.63	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	Dinitrotoluene[2,4-]	0.63	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	Dinitrotoluene[2,6-]	0.65	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	HMX	5.5	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	Nitrobenzene	0.65	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	Nitrotoluene[2-]	0.63	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	Nitrotoluene[3-]	0.63	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	Nitrotoluene[4-]	0.63	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	RDX	2.5	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	Tetryl	1.6	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	Trinitrobenzene[1,3,5-]	0.63	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	Trinitrotoluene[2,4,6-]	0.63	MG/KG	U

Table I-3.0-4

Volatile and Semivolatile Chemicals in Surface Sediments Samples

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Acenaphthene	0.48	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Acenaphthylene	0.48	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	VOAGCMS	Acetone	0.048	MG/KG	J
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Aniline	0.48	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Anthracene	0.48	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Azobenzene	0.48	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	VOAGCMS	Benzene	0.006	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Benzo(a)anthracene	0.48	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Benzo(a)pyrene	0.48	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Benzo(b)fluoranthene	0.48	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Benzo(g,h,i)perylene	0.48	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Benzo(k)fluoranthene	0.48	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Benzoic Acid	0.75	MG/KG	J
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Benzyl Alcohol	0.24	MG/KG	J
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Bis(2-chloroethoxy) methane	0.48	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Bis(2-chloroethyl)ether	0.48	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Bis(2-ethylhexyl)phthalate	0.13	MG/KG	J
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	VOAGCMS	Bromobenzene	0.006	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	VOAGCMS	Bromochloromethane	0.006	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	VOAGCMS	Bromodichloromethane	0.006	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	VOAGCMS	Bromoform	0.006	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	VOAGCMS	Bromomethane	0.013	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Bromophenyl-phenylether[4-]	0.48	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	VOAGCMS	Butanone[2-]	0.026	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	VOAGCMS	Butylbenzene[n-]	0.006	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	VOAGCMS	Butylbenzene[sec-]	0.006	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	VOAGCMS	Butylbenzene[tert-]	0.006	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Butylbenzylphthalate	0.48	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	VOAGCMS	Carbon Disulfide	0.006	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	VOAGCMS	Carbon Tetrachloride	0.006	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Chloro-3-methylphenol[4-]	0.96	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Chloroaniline[4-]	0.96	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	VOAGCMS	Chlorobenzene	0.006	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	VOAGCMS	Chlorodibromomethane	0.006	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	VOAGCMS	Chloroethane	0.013	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	VOAGCMS	Chloroform	0.006	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	VOAGCMS	Chloromethane	0.013	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Chloronaphthalene[2-]	0.48	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Chlorophenol[2-]	0.48	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Chlorophenyl-phenyl[4-] Ether	0.48	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	VOAGCMS	Chlorotoluene[2-]	0.006	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	VOAGCMS	Chlorotoluene[4-]	0.006	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Chrysene	0.48	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Dibenz(a,h)anthracene	0.48	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Dibenzofuran	0.48	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	VOAGCMS	Dibromo-3-chloropropane[1,2-]	0.013	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	VOAGCMS	Dibromoethane[1,2-]	0.006	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	VOAGCMS	Dibromomethane	0.006	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	VOAGCMS	Dichlorobenzene[1,2-]	0.006	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Dichlorobenzene[1,2-]	0.48	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	VOAGCMS	Dichlorobenzene[1,3-]	0.006	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Dichlorobenzene[1,3-]	0.48	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	VOAGCMS	Dichlorobenzene[1,4-]	0.006	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Dichlorobenzene[1,4-]	0.48	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Dichlorobenzidine[3,3'-]	0.96	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	VOAGCMS	Dichlorodifluoromethane	0.013	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	VOAGCMS	Dichloroethane[1,1-]	0.006	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	VOAGCMS	Dichloroethane[1,2-]	0.006	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	VOAGCMS	Dichloroethene[1,1-]	0.006	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	VOAGCMS	Dichloroethene [cis-1,2-]	0.006	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	VOAGCMS	Dichloroethene[trans-1,2-]	0.006	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Dichlorophenol[2,4-]	0.48	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	VOAGCMS	Dichloropropane[1,2-]	0.006	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	VOAGCMS	Dichloropropane[1,3-]	0.006	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	VOAGCMS	Dichloropropane[2,2-]	0.006	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	VOAGCMS	Dichloropropene[1,1-]	0.006	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	VOAGCMS	Dichloropropene [cis-1,3-]	0.006	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	VOAGCMS	Dichloropropene[trans-1,3-]	0.006	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Diethylphthalate	0.48	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Dimethyl Phthalate	0.48	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Dimethylphenol[2,4-]	0.48	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Di-n-butylphthalate	0.48	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Dinitro-2-methylphenol[4,6-]	2.4	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Dinitrophenol[2,4-]	2.4	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Dinitrotoluene[2,4-]	0.48	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Dinitrotoluene[2,6-]	0.48	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Di-n-octylphthalate	0.48	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	VOAGCMS	Ethylbenzene	0.006	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Fluoranthene	0.48	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Fluorene	0.48	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Hexachlorobenzene	0.48	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Hexachlorobutadiene	0.48	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Hexachlorocyclopentadiene	0.48	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Hexachloroethane	0.48	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	VOAGCMS	Hexanone[2-]	0.026	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Indeno(1,2,3-cd)pyrene	0.48	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	VOAGCMS	Iodomethane	0.006	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Isophorone	0.48	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	VOAGCMS	Isopropylbenzene	0.006	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	VOAGCMS	Isopropyltoluene[4-]	0.059	MG/KG	none
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	VOAGCMS	Methyl-2-pentanone[4-]	0.026	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	VOAGCMS	Methylene Chloride	0.004	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Methylnaphthalene[2-]	0.48	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Methylphenol[2-]	0.48	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Methylphenol[4-]	0.48	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Naphthalene	0.48	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Nitroaniline[2-]	2.4	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Nitroaniline[3-]	2.4	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Nitroaniline[4-]	0.96	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Nitrobenzene	0.48	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Nitrophenol[2-]	0.48	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Nitrophenol[4-]	2.4	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Nitrosodimethylamine[N-]	0.48	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Nitroso-di-n-propylamine[N-]	0.48	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Nitrosodiphenylamine[N-]	0.48	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Oxybis (1-chloropropane)[2,2'-]	0.48	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Pentachlorophenol	2.4	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Phenanthrene	0.48	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Phenol	0.34	MG/KG	J
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	VOAGCMS	Propylbenzene[1-]	0.006	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Pyrene	0.48	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	VOAGCMS	Styrene	0.006	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	VOAGCMS	Tetrachloroethane [1,1,1,2-]	0.006	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	VOAGCMS	Tetrachloroethane [1,1,2,2-]	0.006	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	VOAGCMS	Tetrachloroethene	0.006	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	VOAGCMS	Toluene	0.006	MG/KG	J
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	VOAGCMS	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.006	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Trichlorobenzene [1,2,4-]	0.48	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	VOAGCMS	Trichloroethane[1,1,1-]	0.006	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	VOAGCMS	Trichloroethane[1,1,2-]	0.006	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	VOAGCMS	Trichloroethene	0.006	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	VOAGCMS	Trichlorofluoromethane	0.006	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Trichlorophenol[2,4,5-]	2.4	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	SEMI	Trichlorophenol[2,4,6-]	0.48	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	VOAGCMS	Trichloropropane[1,2,3-]	0.006	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	VOAGCMS	Trimethylbenzene [1,2,4-]	0.006	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	VOAGCMS	Trimethylbenzene [1,3,5-]	0.006	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	VOAGCMS	Vinyl Chloride	0.013	MG/KG	U
16-021(c)	16-2682	0316-97-0470	0	6	IN	SED	VOAGCMS	Xylene (Total)	0.006	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Acenaphthene	0.5	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Acenaphthylene	0.5	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	VOAGCMS	Acetone	0.03	MG/KG	UJ
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Aniline	0.5	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Anthracene	0.5	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Azobenzene	0.5	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	VOAGCMS	Benzene	0.008	MG/KG	UJ
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Benzo(a)anthracene	0.5	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Benzo(a)pyrene	0.5	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Benzo(b)fluoranthene	0.5	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Benzo(g,h,i)perylene	0.5	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Benzo(k)fluoranthene	0.5	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Benzoic Acid	2.5	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Benzyl Alcohol	0.99	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Bis(2-chloroethoxy) methane	0.5	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Bis(2-chloroethyl)ether	0.5	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Bis(2-ethylhexyl) phthalate	0.065	MG/KG	J
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	VOAGCMS	Bromobenzene	0.008	MG/KG	UJ
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	VOAGCMS	Bromochloromethane	0.008	MG/KG	UJ
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	VOAGCMS	Bromodichloromethane	0.008	MG/KG	UJ
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	VOAGCMS	Bromoform	0.008	MG/KG	UJ
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	VOAGCMS	Bromomethane	0.015	MG/KG	UJ
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Bromophenyl-phenylether[4-]	0.5	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	VOAGCMS	Butanone[2-]	0.03	MG/KG	UJ
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	VOAGCMS	Butylbenzene[n-]	0.008	MG/KG	UJ
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	VOAGCMS	Butylbenzene[sec-]	0.008	MG/KG	UJ
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	VOAGCMS	Butylbenzene[tert-]	0.008	MG/KG	UJ

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Butylbenzylphthalate	0.5	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	VOAGCMS	Carbon Disulfide	0.008	MG/KG	UJ
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	VOAGCMS	Carbon Tetrachloride	0.008	MG/KG	UJ
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Chloro-3-methylphenol[4-]	0.99	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Chloroaniline[4-]	0.99	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	VOAGCMS	Chlorobenzene	0.008	MG/KG	UJ
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	VOAGCMS	Chlorodibromomethane	0.008	MG/KG	UJ
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	VOAGCMS	Chloroethane	0.015	MG/KG	UJ
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	VOAGCMS	Chloroform	0.008	MG/KG	UJ
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	VOAGCMS	Chloromethane	0.015	MG/KG	UJ
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Chloronaphthalene[2-]	0.5	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Chlorophenol[2-]	0.5	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Chlorophenyl-phenyl[4-] Ether	0.5	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	VOAGCMS	Chlorotoluene[2-]	0.008	MG/KG	UJ
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	VOAGCMS	Chlorotoluene[4-]	0.008	MG/KG	UJ
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Chrysene	0.5	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Dibenz(a,h)anthracene	0.5	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Dibenzofuran	0.5	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	VOAGCMS	Dibromo-3-chloropropane[1,2-]	0.015	MG/KG	UJ
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	VOAGCMS	Dibromoethane[1,2-]	0.008	MG/KG	UJ
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	VOAGCMS	Dibromomethane	0.008	MG/KG	UJ
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	VOAGCMS	Dichlorobenzene[1,2-]	0.008	MG/KG	UJ
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Dichlorobenzene[1,2-]	0.5	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	VOAGCMS	Dichlorobenzene[1,3-]	0.008	MG/KG	UJ
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Dichlorobenzene[1,3-]	0.5	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	VOAGCMS	Dichlorobenzene[1,4-]	0.008	MG/KG	UJ
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Dichlorobenzene[1,4-]	0.5	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Dichlorobenzidine[3,3'-]	0.99	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	VOAGCMS	Dichlorodifluoro methane	0.004	MG/KG	J
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	VOAGCMS	Dichloroethane[1,1-]	0.008	MG/KG	UJ
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	VOAGCMS	Dichloroethane[1,2-]	0.008	MG/KG	UJ
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	VOAGCMS	Dichloroethene[1,1-]	0.008	MG/KG	UJ
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	VOAGCMS	Dichloroethene [cis-1,2-]	0.008	MG/KG	UJ
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	VOAGCMS	Dichloroethene [trans-1,2-]	0.008	MG/KG	UJ
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Dichlorophenol[2,4-]	0.5	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	VOAGCMS	Dichloropropane[1,2-]	0.008	MG/KG	UJ
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	VOAGCMS	Dichloropropane[1,3-]	0.008	MG/KG	UJ
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	VOAGCMS	Dichloropropane[2,2-]	0.008	MG/KG	UJ
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	VOAGCMS	Dichloropropene[1,1-]	0.008	MG/KG	UJ
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	VOAGCMS	Dichloropropene [cis-1,3-]	0.008	MG/KG	UJ
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	VOAGCMS	Dichloropropene [trans-1,3-]	0.008	MG/KG	UJ
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Diethylphthalate	0.5	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Dimethyl Phthalate	0.5	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Dimethylphenol[2,4-]	0.5	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Di-n-butylphthalate	0.5	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Dinitro-2-methylphenol[4,6-]	2.5	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Dinitrophenol[2,4-]	2.5	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Dinitrotoluene[2,4-]	0.5	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Dinitrotoluene[2,6-]	0.5	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Di-n-octylphthalate	0.5	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	VOAGCMS	Ethylbenzene	0.008	MG/KG	UJ
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Fluoranthene	0.06	MG/KG	J

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Fluorene	0.5	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Hexachlorobenzene	0.5	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Hexachlorobutadiene	0.5	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Hexachlorocyclopentadiene	0.5	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Hexachloroethane	0.5	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	VOAGCMS	Hexanone[2-]	0.03	MG/KG	UJ
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Indeno(1,2,3-cd)pyrene	0.5	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	VOAGCMS	Iodomethane	0.008	MG/KG	UJ
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Isophorone	0.5	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	VOAGCMS	Isopropylbenzene	0.008	MG/KG	UJ
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	VOAGCMS	Isopropyltoluene[4-]	0.008	MG/KG	UJ
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	VOAGCMS	Methyl-2-pentanone[4-]	0.03	MG/KG	UJ
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	VOAGCMS	Methylene Chloride	0.005	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	VOAGCMS	Methylene Chloride	0.005	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Methylnaphthalene[2-]	0.5	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Methylphenol[2-]	0.5	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Methylphenol[4-]	0.5	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Naphthalene	0.5	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Nitroaniline[2-]	2.5	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Nitroaniline[3-]	2.5	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Nitroaniline[4-]	0.99	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Nitrobenzene	0.5	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Nitrophenol[2-]	0.5	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Nitrophenol[4-]	2.5	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Nitrosodimethylamine[N-]	0.5	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Nitroso-di-n-propylamine[N-]	0.5	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Nitrosodiphenylamine[N-]	0.5	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Oxybis (1-chloropropane)[2,2'-]	0.5	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Pentachlorophenol	2.5	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Phenanthrene	0.5	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Phenol	0.5	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	VOAGCMS	Propylbenzene[1-]	0.008	MG/KG	UJ
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Pyrene	0.052	MG/KG	J
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	VOAGCMS	Styrene	0.008	MG/KG	UJ
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	VOAGCMS	Tetrachloroethane [1,1,1,2-]	0.008	MG/KG	UJ
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	VOAGCMS	Tetrachloroethane [1,1,2,2-]	0.008	MG/KG	UJ
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	VOAGCMS	Tetrachloroethene	0.008	MG/KG	UJ
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	VOAGCMS	Toluene	0.01	MG/KG	J
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	VOAGCMS	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.008	MG/KG	UJ
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Trichlorobenzene [1,2,4-]	0.5	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	VOAGCMS	Trichloroethane[1,1,1-]	0.008	MG/KG	UJ
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	VOAGCMS	Trichloroethane[1,1,2-]	0.008	MG/KG	UJ
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	VOAGCMS	Trichloroethene	0.008	MG/KG	UJ
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	VOAGCMS	Trichlorofluoromethane	0.003	MG/KG	J
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Trichlorophenol[2,4,5-]	2.5	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	SEMI	Trichlorophenol[2,4,6-]	0.5	MG/KG	U
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	VOAGCMS	Trichloropropane[1,2,3-]	0.008	MG/KG	UJ
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	VOAGCMS	Trimethylbenzene [1,2,4-]	0.008	MG/KG	UJ
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	VOAGCMS	Trimethylbenzene [1,3,5-]	0.008	MG/KG	UJ

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	VOAGCMS	Vinyl Chloride	0.015	MG/KG	UJ
16-021(c)	16-2683	0316-97-0471	3	9	IN	SED	VOAGCMS	Xylene (Total)	0.008	MG/KG	UJ
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Acenaphthene	0.45	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Acenaphthylene	0.45	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	VOAGCMS	Acetone	0.026	MG/KG	UJ
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Aniline	0.45	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Anthracene	0.45	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Azobenzene	0.45	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	VOAGCMS	Benzene	0.006	MG/KG	UJ
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Benzo(a)anthracene	0.45	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Benzo(a)pyrene	0.45	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Benzo(b)fluoranthene	0.45	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Benzo(g,h,i)perylene	0.45	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Benzo(k)fluoranthene	0.45	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Benzoic Acid	2.2	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Benzyl Alcohol	0.89	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Bis(2-chloroethoxy) methane	0.45	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Bis(2-chloroethyl)ether	0.45	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Bis(2-ethylhexyl) phthalate	0.45	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	VOAGCMS	Bromobenzene	0.006	MG/KG	UJ
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	VOAGCMS	Bromochloromethane	0.006	MG/KG	UJ
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	VOAGCMS	Bromodichloromethane	0.006	MG/KG	UJ
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	VOAGCMS	Bromoform	0.006	MG/KG	UJ
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	VOAGCMS	Bromomethane	0.013	MG/KG	UJ
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Bromophenyl-phenylether[4-]	0.45	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	VOAGCMS	Butanone[2-]	0.026	MG/KG	UJ

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	VOAGCMS	Butylbenzene[n-]	0.006	MG/KG	UJ
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	VOAGCMS	Butylbenzene[sec-]	0.006	MG/KG	UJ
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	VOAGCMS	Butylbenzene[tert-]	0.006	MG/KG	UJ
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Butylbenzylphthalate	0.45	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	VOAGCMS	Carbon Disulfide	0.006	MG/KG	UJ
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	VOAGCMS	Carbon Tetrachloride	0.006	MG/KG	UJ
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Chloro-3-methylphenol[4-]	0.89	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Chloroaniline[4-]	0.89	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	VOAGCMS	Chlorobenzene	0.006	MG/KG	UJ
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	VOAGCMS	Chlorodibromomethane	0.006	MG/KG	UJ
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	VOAGCMS	Chloroethane	0.013	MG/KG	UJ
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	VOAGCMS	Chloroform	0.006	MG/KG	UJ
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	VOAGCMS	Chloromethane	0.013	MG/KG	UJ
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Chloronaphthalene[2-]	0.45	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Chlorophenol[2-]	0.45	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Chlorophenyl-phenyl[4-] Ether	0.45	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	VOAGCMS	Chlorotoluene[2-]	0.006	MG/KG	UJ
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	VOAGCMS	Chlorotoluene[4-]	0.006	MG/KG	UJ
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Chrysene	0.45	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Dibenz(a,h)anthracene	0.45	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Dibenzofuran	0.45	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	VOAGCMS	Dibromo-3-chloropropane[1,2-]	0.013	MG/KG	UJ
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	VOAGCMS	Dibromoethane[1,2-]	0.006	MG/KG	UJ
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	VOAGCMS	Dibromomethane	0.006	MG/KG	UJ
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	VOAGCMS	Dichlorobenzene[1,2-]	0.006	MG/KG	UJ
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Dichlorobenzene[1,2-]	0.45	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	VOAGCMS	Dichlorobenzene[1,3-]	0.006	MG/KG	UJ
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Dichlorobenzene[1,3-]	0.45	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	VOAGCMS	Dichlorobenzene[1,4-]	0.006	MG/KG	UJ

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Dichlorobenzene[1,4-]	0.45	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Dichlorobenzidine[3,3'-]	0.89	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	VOAGCMS	Dichlorodifluoro methane	0.013	MG/KG	UJ
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	VOAGCMS	Dichloroethane[1,1-]	0.006	MG/KG	UJ
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	VOAGCMS	Dichloroethane[1,2-]	0.006	MG/KG	UJ
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	VOAGCMS	Dichloroethene[1,1-]	0.006	MG/KG	UJ
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	VOAGCMS	Dichloroethene [cis-1,2-]	0.006	MG/KG	UJ
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	VOAGCMS	Dichloroethene [trans-1,2-]	0.006	MG/KG	UJ
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Dichlorophenol[2,4-]	0.45	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	VOAGCMS	Dichloropropane[1,2-]	0.006	MG/KG	UJ
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	VOAGCMS	Dichloropropane[1,3-]	0.006	MG/KG	UJ
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	VOAGCMS	Dichloropropane[2,2-]	0.006	MG/KG	UJ
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	VOAGCMS	Dichloropropene[1,1-]	0.006	MG/KG	UJ
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	VOAGCMS	Dichloropropene [cis-1,3-]	0.006	MG/KG	UJ
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	VOAGCMS	Dichloropropene [trans-1,3-]	0.006	MG/KG	UJ
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Diethylphthalate	0.45	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Dimethyl Phthalate	0.45	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Dimethylphenol[2,4-]	0.45	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Di-n-butylphthalate	0.45	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Dinitro-2-methylphenol[4,6-]	2.2	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Dinitrophenol[2,4-]	2.2	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Dinitrotoluene[2,4-]	0.45	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Dinitrotoluene[2,6-]	0.45	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Di-n-octylphthalate	0.45	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	VOAGCMS	Ethylbenzene	0.006	MG/KG	UJ
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Fluoranthene	0.45	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Fluorene	0.45	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Hexachlorobenzene	0.45	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Hexachlorobutadiene	0.45	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Hexachlorocyclopentadiene	0.45	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Hexachloroethane	0.45	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	VOAGCMS	Hexanone[2-]	0.026	MG/KG	UJ
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Indeno(1,2,3-cd)pyrene	0.45	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	VOAGCMS	Iodomethane	0.006	MG/KG	UJ
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Isophorone	0.45	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	VOAGCMS	Isopropylbenzene	0.006	MG/KG	UJ
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	VOAGCMS	Isopropyltoluene[4-]	0.006	MG/KG	UJ
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	VOAGCMS	Methyl-2-pentanone[4-]	0.026	MG/KG	UJ
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	VOAGCMS	Methylene Chloride	0.004	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	VOAGCMS	Methylene Chloride	0.004	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Methylnaphthalene[2-]	0.45	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Methylphenol[2-]	0.45	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Methylphenol[4-]	0.45	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Naphthalene	0.45	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Nitroaniline[2-]	2.2	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Nitroaniline[3-]	2.2	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Nitroaniline[4-]	0.89	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Nitrobenzene	0.45	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Nitrophenol[2-]	0.45	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Nitrophenol[4-]	2.2	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Nitrosodimethylamine[N-]	0.45	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Nitroso-di-n-propylamine[N-]	0.45	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Nitrosodiphenylamine[N-]	0.45	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Oxybis (1-chloropropane)[2,2'-]	0.45	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Pentachlorophenol	2.2	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Phenanthrene	0.45	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Phenol	0.45	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	VOAGCMS	Propylbenzene[1-]	0.006	MG/KG	UJ
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Pyrene	0.45	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	VOAGCMS	Styrene	0.006	MG/KG	UJ
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	VOAGCMS	Tetrachloroethane [1,1,1,2-]	0.006	MG/KG	UJ
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	VOAGCMS	Tetrachloroethane [1,1,2,2-]	0.006	MG/KG	UJ
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	VOAGCMS	Tetrachloroethene	0.006	MG/KG	UJ
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	VOAGCMS	Toluene	0.006	MG/KG	UJ
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	VOAGCMS	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.006	MG/KG	UJ
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Trichlorobenzene [1,2,4-]	0.45	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	VOAGCMS	Trichloroethane[1,1,1-]	0.006	MG/KG	UJ
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	VOAGCMS	Trichloroethane[1,1,2-]	0.006	MG/KG	UJ
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	VOAGCMS	Trichloroethene	0.006	MG/KG	UJ
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	VOAGCMS	Trichlorofluoromethane	0.006	MG/KG	UJ
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Trichlorophenol[2,4,5-]	2.2	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	SEMI	Trichlorophenol[2,4,6-]	0.45	MG/KG	U
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	VOAGCMS	Trichloropropane[1,2,3-]	0.006	MG/KG	UJ
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	VOAGCMS	Trimethylbenzene [1,2,4-]	0.006	MG/KG	UJ

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	VOAGCMS	Trimethylbenzene [1,3,5-]	0.006	MG/KG	UJ
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	VOAGCMS	Vinyl Chloride	0.013	MG/KG	UJ
16-021(c)	16-2684	0316-97-0472	3	9	IN	SED	VOAGCMS	Xylene (Total)	0.006	MG/KG	UJ
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Acenaphthene	0.52	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Acenaphthylene	0.52	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	VOAGCMS	Acetone	0.012	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Aniline	0.52	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Anthracene	0.52	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Azobenzene	0.52	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	VOAGCMS	Benzene	0.008	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Benzo(a)anthracene	0.52	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Benzo(a)pyrene	0.52	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Benzo(b)fluoranthene	0.52	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Benzo(g,h,i)perylene	0.52	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Benzo(k)fluoranthene	0.52	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Benzoic Acid	2.6	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Benzyl Alcohol	1	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Bis(2-chloroethoxy) methane	0.52	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Bis(2-chloroethyl)ether	0.52	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Bis(2-ethylhexyl) phthalate	0.074	MG/KG	J
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	VOAGCMS	Bromobenzene	0.008	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	VOAGCMS	Bromochloromethane	0.008	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	VOAGCMS	Bromodichloromethane	0.008	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	VOAGCMS	Bromoform	0.008	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	VOAGCMS	Bromomethane	0.017	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Bromophenyl-phenylether[4-]	0.52	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	VOAGCMS	Butanone[2-]	0.034	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	VOAGCMS	Butylbenzene[n-]	0.008	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	VOAGCMS	Butylbenzene[sec-]	0.008	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	VOAGCMS	Butylbenzene[tert-]	0.008	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Butylbenzylphthalate	0.52	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	VOAGCMS	Carbon Disulfide	0.008	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	VOAGCMS	Carbon Tetrachloride	0.008	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Chloro-3-methylphenol[4-]	1	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Chloroaniline[4-]	1	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	VOAGCMS	Chlorobenzene	0.008	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	VOAGCMS	Chlorodibromomethane	0.008	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	VOAGCMS	Chloroethane	0.017	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	VOAGCMS	Chloroform	0.008	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	VOAGCMS	Chloromethane	0.017	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Chloronaphthalene[2-]	0.52	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Chlorophenol[2-]	0.52	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Chlorophenyl-phenyl[4-] Ether	0.52	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	VOAGCMS	Chlorotoluene[2-]	0.008	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	VOAGCMS	Chlorotoluene[4-]	0.008	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Chrysene	0.52	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Dibenz(a,h)anthracene	0.52	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Dibenzofuran	0.52	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	VOAGCMS	Dibromo-3-chloropropane[1,2-]	0.017	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	VOAGCMS	Dibromoethane[1,2-]	0.008	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	VOAGCMS	Dibromomethane	0.008	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Dichlorobenzene[1,2-]	0.52	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	VOAGCMS	Dichlorobenzene[1,2-]	0.008	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Dichlorobenzene[1,3-]	0.52	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	VOAGCMS	Dichlorobenzene[1,3-]	0.008	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Dichlorobenzene[1,4-]	0.52	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	VOAGCMS	Dichlorobenzene[1,4-]	0.008	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Dichlorobenzidine[3,3'-]	1	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	VOAGCMS	Dichlorodifluoro methane	0.017	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	VOAGCMS	Dichloroethane[1,1-]	0.008	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	VOAGCMS	Dichloroethane[1,2-]	0.008	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	VOAGCMS	Dichloroethene[1,1-]	0.008	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	VOAGCMS	Dichloroethene [cis-1,2-]	0.008	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	VOAGCMS	Dichloroethene [trans-1,2-]	0.008	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Dichlorophenol[2,4-]	0.52	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	VOAGCMS	Dichloropropane[1,2-]	0.008	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	VOAGCMS	Dichloropropane[1,3-]	0.008	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	VOAGCMS	Dichloropropane[2,2-]	0.008	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	VOAGCMS	Dichloropropene[1,1-]	0.008	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	VOAGCMS	Dichloropropene [cis-1,3-]	0.008	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	VOAGCMS	Dichloropropene [trans-1,3-]	0.008	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Diethylphthalate	0.52	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Dimethyl Phthalate	0.52	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Dimethylphenol[2,4-]	0.52	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Di-n-butylphthalate	0.52	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Dinitro-2-methylphenol[4,6-]	2.6	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Dinitrophenol[2,4-]	2.6	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Dinitrotoluene[2,4-]	0.52	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Dinitrotoluene[2,6-]	0.52	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Di-n-octylphthalate	0.52	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	VOAGCMS	Ethylbenzene	0.008	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Fluoranthene	0.52	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Fluorene	0.52	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Hexachlorobenzene	0.52	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Hexachlorobutadiene	0.52	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Hexachlorocyclopentadiene	0.52	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Hexachloroethane	0.52	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	VOAGCMS	Hexanone[2-]	0.034	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Indeno(1,2,3-cd)pyrene	0.52	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	VOAGCMS	Iodomethane	0.008	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Isophorone	0.52	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	VOAGCMS	Isopropylbenzene	0.008	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	VOAGCMS	Isopropyltoluene[4-]	0.008	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	VOAGCMS	Methyl-2-pentanone[4-]	0.034	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	VOAGCMS	Methylene Chloride	0.019	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Methylnaphthalene[2-]	0.52	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Methylphenol[2-]	0.52	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Methylphenol[4-]	0.52	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Naphthalene	0.52	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Nitroaniline[2-]	2.6	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Nitroaniline[3-]	2.6	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Nitroaniline[4-]	1	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Nitrobenzene	0.52	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Nitrophenol[2-]	0.52	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Nitrophenol[4-]	2.6	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Nitrosodimethylamine[N-]	0.52	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Nitroso-di-n-propylamine[N-]	0.52	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Nitrosodiphenylamine[N-]	0.52	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Oxybis (1-chloropropane)[2,2'-]	0.52	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Pentachlorophenol	2.6	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Phenanthrene	0.52	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Phenol	0.52	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	VOAGCMS	Propylbenzene[1-]	0.008	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Pyrene	0.52	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	VOAGCMS	Styrene	0.008	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	VOAGCMS	Tetrachloroethane [1,1,1,2-]	0.008	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	VOAGCMS	Tetrachloroethane [1,1,2,2-]	0.008	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	VOAGCMS	Tetrachloroethene	0.008	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	VOAGCMS	Toluene	0.008	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	VOAGCMS	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.003	MG/KG	J
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Trichlorobenzene [1,2,4-]	0.52	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	VOAGCMS	Trichloroethane[1,1,1-]	0.008	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	VOAGCMS	Trichloroethane[1,1,2-]	0.008	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	VOAGCMS	Trichloroethene	0.008	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	VOAGCMS	Trichlorofluoromethane	0.008	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Trichlorophenol[2,4,5-]	2.6	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	SEMI	Trichlorophenol[2,4,6-]	0.52	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	VOAGCMS	Trichloropropane[1,2,3-]	0.008	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	VOAGCMS	Trimethylbenzene [1,2,4-]	0.008	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	VOAGCMS	Trimethylbenzene [1,3,5-]	0.008	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	VOAGCMS	Vinyl Chloride	0.017	MG/KG	U
16-021(c)	16-2685	0316-97-0473	3	9	IN	SED	VOAGCMS	Xylene (Total)	0.008	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Acenaphthene	0.44	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Acenaphthylene	0.44	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	VOAGCMS	Acetone	0.026	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Aniline	0.44	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Anthracene	0.44	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Azobenzene	0.44	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	VOAGCMS	Benzene	0.006	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Benzo(a)anthracene	0.44	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Benzo(a)pyrene	0.44	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Benzo(b)fluoranthene	0.44	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Benzo(g,h,i)perylene	0.44	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Benzo(k)fluoranthene	0.44	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Benzoic Acid	2.2	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Benzyl Alcohol	0.88	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Bis(2-chloroethoxy) methane	0.44	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Bis(2-chloroethyl)ether	0.44	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Bis(2-ethylhexyl)phthalate	0.25	MG/KG	J
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	VOAGCMS	Bromobenzene	0.006	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	VOAGCMS	Bromochloromethane	0.006	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	VOAGCMS	Bromodichloromethane	0.006	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	VOAGCMS	Bromoform	0.006	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	VOAGCMS	Bromomethane	0.013	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Bromophenyl-phenylether[4-]	0.44	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	VOAGCMS	Butanone[2-]	0.026	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	VOAGCMS	Butylbenzene[n-]	0.006	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	VOAGCMS	Butylbenzene[sec-]	0.006	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	VOAGCMS	Butylbenzene[tert-]	0.006	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Butylbenzylphthalate	0.44	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	VOAGCMS	Carbon Disulfide	0.006	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	VOAGCMS	Carbon Tetrachloride	0.006	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Chloro-3-methylphenol[4-]	0.88	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Chloroaniline[4-]	0.88	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	VOAGCMS	Chlorobenzene	0.006	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	VOAGCMS	Chlorodibromomethane	0.006	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	VOAGCMS	Chloroethane	0.013	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	VOAGCMS	Chloroform	0.006	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	VOAGCMS	Chloromethane	0.013	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Chloronaphthalene[2-]	0.44	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Chlorophenol[2-]	0.44	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Chlorophenyl-phenyl[4-] Ether	0.44	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	VOAGCMS	Chlorotoluene[2-]	0.006	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	VOAGCMS	Chlorotoluene[4-]	0.006	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Chrysene	0.44	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Dibenz(a,h)anthracene	0.44	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Dibenzofuran	0.44	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	VOAGCMS	Dibromo-3-chloropropane[1,2-]	0.013	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	VOAGCMS	Dibromoethane[1,2-]	0.006	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	VOAGCMS	Dibromomethane	0.006	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	VOAGCMS	Dichlorobenzene[1,2-]	0.006	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Dichlorobenzene[1,2-]	0.44	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	VOAGCMS	Dichlorobenzene[1,3-]	0.006	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Dichlorobenzene[1,3-]	0.44	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	VOAGCMS	Dichlorobenzene[1,4-]	0.006	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Dichlorobenzene[1,4-]	0.44	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Dichlorobenzidine[3,3'-]	0.88	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	VOAGCMS	Dichlorodifluoro methane	0.003	MG/KG	J
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	VOAGCMS	Dichloroethane[1,1-]	0.006	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	VOAGCMS	Dichloroethane[1,2-]	0.006	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	VOAGCMS	Dichloroethene[1,1-]	0.006	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	VOAGCMS	Dichloroethene [cis-1,2-]	0.006	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	VOAGCMS	Dichloroethene [trans-1,2-]	0.006	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Dichlorophenol[2,4-]	0.44	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	VOAGCMS	Dichloropropane[1,2-]	0.006	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	VOAGCMS	Dichloropropane[1,3-]	0.006	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	VOAGCMS	Dichloropropane[2,2-]	0.006	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	VOAGCMS	Dichloropropene[1,1-]	0.006	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	VOAGCMS	Dichloropropene [cis-1,3-]	0.006	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	VOAGCMS	Dichloropropene [trans-1,3-]	0.006	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Diethylphthalate	0.44	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Dimethyl Phthalate	0.44	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Dimethylphenol[2,4-]	0.44	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Di-n-butylphthalate	0.13	MG/KG	J
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Dinitro-2-methylphenol[4,6-]	2.2	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Dinitrophenol[2,4-]	2.2	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Dinitrotoluene[2,4-]	0.44	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Dinitrotoluene[2,6-]	0.44	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Di-n-octylphthalate	0.44	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	VOAGCMS	Ethylbenzene	0.006	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Fluoranthene	0.44	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Fluorene	0.44	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Hexachlorobenzene	0.44	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Hexachlorobutadiene	0.44	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Hexachlorocyclopentadiene	0.44	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Hexachloroethane	0.44	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	VOAGCMS	Hexanone[2-]	0.026	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Indeno(1,2,3-cd)pyrene	0.44	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	VOAGCMS	Iodomethane	0.006	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Isophorone	0.44	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	VOAGCMS	Isopropylbenzene	0.006	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	VOAGCMS	Isopropyltoluene[4-]	0.006	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	VOAGCMS	Methyl-2-pentanone[4-]	0.026	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	VOAGCMS	Methylene Chloride	0.004	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Methylnaphthalene[2-]	0.44	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Methylphenol[2-]	0.44	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Methylphenol[4-]	0.44	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Naphthalene	0.44	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Nitroaniline[2-]	2.2	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Nitroaniline[3-]	2.2	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Nitroaniline[4-]	0.88	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Nitrobenzene	0.44	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Nitrophenol[2-]	0.44	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Nitrophenol[4-]	2.2	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Nitrosodimethylamine[N-]	0.44	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Nitroso-di-n-propylamine[N-]	0.44	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Nitrosodiphenylamine[N-]	0.44	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Oxybis (1-chloropropane)[2,2'-]	0.44	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Pentachlorophenol	2.2	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Phenanthrene	0.44	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Phenol	0.44	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	VOAGCMS	Propylbenzene[1-]	0.006	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Pyrene	0.44	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	VOAGCMS	Styrene	0.006	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	VOAGCMS	Tetrachloroethane [1,1,1,2-]	0.006	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	VOAGCMS	Tetrachloroethane [1,1,2,2-]	0.006	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	VOAGCMS	Tetrachloroethene	0.006	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	VOAGCMS	Toluene	0.005	MG/KG	J
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	VOAGCMS	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.006	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Trichlorobenzene [1,2,4-]	0.44	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	VOAGCMS	Trichloroethane[1,1,1-]	0.006	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	VOAGCMS	Trichloroethane[1,1,2-]	0.006	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	VOAGCMS	Trichloroethene	0.006	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	VOAGCMS	Trichlorofluoromethane	0.002	MG/KG	J
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Trichlorophenol[2,4,5-]	2.2	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	SEMI	Trichlorophenol[2,4,6-]	0.44	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	VOAGCMS	Trichloropropane[1,2,3-]	0.006	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	VOAGCMS	Trimethylbenzene [1,2,4-]	0.006	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	VOAGCMS	Trimethylbenzene [1,3,5-]	0.006	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	VOAGCMS	Vinyl Chloride	0.013	MG/KG	U
16-021(c)	16-2686	0316-97-0474	3	12	IN	SED	VOAGCMS	Xylene (Total)	0.006	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Acenaphthene	0.37	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Acenaphthylene	0.37	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	VOAGCMS	Acetone	0.022	MG/KG	UJ
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Aniline	0.37	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Anthracene	0.37	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Azobenzene	0.37	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	VOAGCMS	Benzene	0.006	MG/KG	UJ
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Benzo(a)anthracene	0.37	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Benzo(a)pyrene	0.37	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Benzo(b)fluoranthene	0.37	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Benzo(g,h,i)perylene	0.37	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Benzo(k)fluoranthene	0.37	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Benzoic Acid	1.8	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Benzyl Alcohol	0.73	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Bis(2-chloroethoxy) methane	0.37	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Bis(2-chloroethyl)ether	0.37	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Bis(2-ethylhexyl) phthalate	0.098	MG/KG	J
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	VOAGCMS	Bromobenzene	0.006	MG/KG	UJ
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	VOAGCMS	Bromochloromethane	0.006	MG/KG	UJ
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	VOAGCMS	Bromodichloromethane	0.006	MG/KG	UJ
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	VOAGCMS	Bromoform	0.006	MG/KG	UJ

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	VOAGCMS	Bromomethane	0.011	MG/KG	UJ
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Bromophenyl-phenylether[4-]	0.37	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	VOAGCMS	Butanone[2-]	0.022	MG/KG	UJ
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	VOAGCMS	Butylbenzene[n-]	0.006	MG/KG	UJ
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	VOAGCMS	Butylbenzene[sec-]	0.006	MG/KG	UJ
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	VOAGCMS	Butylbenzene[tert-]	0.006	MG/KG	UJ
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Butylbenzylphthalate	0.37	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	VOAGCMS	Carbon Disulfide	0.006	MG/KG	UJ
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	VOAGCMS	Carbon Tetrachloride	0.006	MG/KG	UJ
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Chloro-3-methylphenol[4-]	0.73	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Chloroaniline[4-]	0.73	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	VOAGCMS	Chlorobenzene	0.006	MG/KG	UJ
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	VOAGCMS	Chlorodibromomethane	0.006	MG/KG	UJ
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	VOAGCMS	Chloroethane	0.011	MG/KG	UJ
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	VOAGCMS	Chloroform	0.006	MG/KG	UJ
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	VOAGCMS	Chloromethane	0.011	MG/KG	UJ
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Chloronaphthalene[2-]	0.37	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Chlorophenol[2-]	0.37	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Chlorophenyl-phenyl[4-] Ether	0.37	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	VOAGCMS	Chlorotoluene[2-]	0.006	MG/KG	UJ
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	VOAGCMS	Chlorotoluene[4-]	0.006	MG/KG	UJ
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Chrysene	0.37	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Dibenz(a,h)anthracene	0.37	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Dibenzofuran	0.37	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	VOAGCMS	Dibromo-3-chloropropane[1,2-]	0.011	MG/KG	UJ
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	VOAGCMS	Dibromoethane[1,2-]	0.006	MG/KG	UJ
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	VOAGCMS	Dibromomethane	0.006	MG/KG	UJ
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	VOAGCMS	Dichlorobenzene[1,2-]	0.006	MG/KG	UJ

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Dichlorobenzene[1,2-]	0.37	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	VOAGCMS	Dichlorobenzene[1,3-]	0.006	MG/KG	UJ
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Dichlorobenzene[1,3-]	0.37	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	VOAGCMS	Dichlorobenzene[1,4-]	0.006	MG/KG	UJ
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Dichlorobenzene[1,4-]	0.37	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Dichlorobenzidine[3,3'-]	0.73	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	VOAGCMS	Dichlorodifluoro methane	0.005	MG/KG	J
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	VOAGCMS	Dichloroethane[1,1-]	0.006	MG/KG	UJ
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	VOAGCMS	Dichloroethane[1,2-]	0.006	MG/KG	UJ
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	VOAGCMS	Dichloroethene[1,1-]	0.006	MG/KG	UJ
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	VOAGCMS	Dichloroethene [cis-1,2-]	0.006	MG/KG	UJ
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	VOAGCMS	Dichloroethene [trans-1,2-]	0.006	MG/KG	UJ
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Dichlorophenol[2,4-]	0.37	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	VOAGCMS	Dichloropropane[1,2-]	0.006	MG/KG	UJ
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	VOAGCMS	Dichloropropane[1,3-]	0.006	MG/KG	UJ
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	VOAGCMS	Dichloropropane[2,2-]	0.006	MG/KG	UJ
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	VOAGCMS	Dichloropropene[1,1-]	0.006	MG/KG	UJ
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	VOAGCMS	Dichloropropene [cis-1,3-]	0.006	MG/KG	UJ
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	VOAGCMS	Dichloropropene [trans-1,3-]	0.006	MG/KG	UJ
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Diethylphthalate	0.37	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Dimethyl Phthalate	0.37	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Dimethylphenol[2,4-]	0.37	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Di-n-butylphthalate	0.37	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Dinitro-2-methylphenol[4,6-]	1.8	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Dinitrophenol[2,4-]	1.8	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Dinitrotoluene[2,4-]	0.37	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Dinitrotoluene[2,6-]	0.37	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Di-n-octylphthalate	0.37	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	VOAGCMS	Ethylbenzene	0.006	MG/KG	UJ
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Fluoranthene	0.37	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Fluorene	0.37	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Hexachlorobenzene	0.37	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Hexachlorobutadiene	0.37	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Hexachlorocyclopentadiene	0.37	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Hexachloroethane	0.37	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	VOAGCMS	Hexanone[2-]	0.022	MG/KG	UJ
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Indeno(1,2,3-cd)pyrene	0.37	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	VOAGCMS	Iodomethane	0.006	MG/KG	UJ
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Isophorone	0.37	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	VOAGCMS	Isopropylbenzene	0.006	MG/KG	UJ
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	VOAGCMS	Isopropyltoluene[4-]	0.006	MG/KG	UJ
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	VOAGCMS	Methyl-2-pentanone[4-]	0.022	MG/KG	UJ
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	VOAGCMS	Methylene Chloride	0.004	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	VOAGCMS	Methylene Chloride	0.004	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	VOAGCMS	Methylene Chloride	0.004	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Methylnaphthalene[2-]	0.37	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Methylphenol[2-]	0.37	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Methylphenol[4-]	0.37	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Naphthalene	0.37	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Nitroaniline[2-]	1.8	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Nitroaniline[3-]	1.8	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Nitroaniline[4-]	0.73	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Nitrobenzene	0.37	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Nitrophenol[2-]	0.37	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Nitrophenol[4-]	1.8	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Nitrosodimethylamine[N-]	0.37	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Nitroso-di-n-propylamine[N-]	0.37	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Nitrosodiphenylamine[N-]	0.37	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Oxybis (1-chloropropane)[2,2'-]	0.37	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Pentachlorophenol	1.8	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Phenanthrene	0.37	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Phenol	0.37	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	VOAGCMS	Propylbenzene[1-]	0.006	MG/KG	UJ
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Pyrene	0.37	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	VOAGCMS	Styrene	0.006	MG/KG	UJ
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	VOAGCMS	Tetrachloroethane [1,1,1,2-]	0.006	MG/KG	UJ
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	VOAGCMS	Tetrachloroethane [1,1,2,2-]	0.006	MG/KG	UJ
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	VOAGCMS	Tetrachloroethene	0.006	MG/KG	UJ
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	VOAGCMS	Toluene	0.036	MG/KG	J
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	VOAGCMS	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.006	MG/KG	UJ
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Trichlorobenzene [1,2,4-]	0.37	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	VOAGCMS	Trichloroethane[1,1,1-]	0.006	MG/KG	UJ
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	VOAGCMS	Trichloroethane[1,1,2-]	0.006	MG/KG	UJ
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	VOAGCMS	Trichloroethene	0.006	MG/KG	UJ
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	VOAGCMS	Trichlorofluoromethane	0.002	MG/KG	UJ

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Trichlorophenol[2,4,5-]	1.8	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	SEMI	Trichlorophenol[2,4,6-]	0.37	MG/KG	U
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	VOAGCMS	Trichloropropane[1,2,3-]	0.006	MG/KG	UJ
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	VOAGCMS	Trimethylbenzene [1,2,4-]	0.006	MG/KG	UJ
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	VOAGCMS	Trimethylbenzene [1,3,5-]	0.006	MG/KG	UJ
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	VOAGCMS	Vinyl Chloride	0.011	MG/KG	UJ
16-021(c)	16-2687	0316-97-0475	0	6	IN	SED	VOAGCMS	Xylene (Total)	0.006	MG/KG	UJ
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Acenaphthene	0.75	MG/KG	U
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Acenaphthylene	0.75	MG/KG	U
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Aniline	0.75	MG/KG	U
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Anthracene	0.75	MG/KG	U
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Azobenzene	0.75	MG/KG	U
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Benzidine	1.5	MG/KG	U
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Benzo(a)anthracene	0.75	MG/KG	U
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Benzo(a)pyrene	0.75	MG/KG	U
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Benzo(b)fluoranthene	0.75	MG/KG	U
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Benzo(g,h,i)perylene	0.75	MG/KG	U
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Benzo(k)fluoranthene	0.75	MG/KG	U
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Benzoic Acid	7.5	MG/KG	U
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Benzyl Alcohol	3	MG/KG	U
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Bis(2-chloroethoxy) methane	0.75	MG/KG	U
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Bis(2-chloroethyl)ether	0.75	MG/KG	U
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Bis(2-ethylhexyl) phthalate	0.75	MG/KG	U
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Bromophenyl-phenylether[4-]	0.75	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Butylbenzylphthalate	0.75	MG/KG	U
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Carbazole	0.75	MG/KG	U
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Chloro-3-methylphenol[4-]	1.5	MG/KG	U
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Chloroaniline[4-]	3	MG/KG	U
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Chloronaphthalene[2-]	0.75	MG/KG	U
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Chlorophenol[2-]	0.75	MG/KG	U
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Chlorophenyl-phenyl[4-] Ether	0.75	MG/KG	U
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Chrysene	0.75	MG/KG	U
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Dibenz(a,h)anthracene	0.75	MG/KG	U
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Dibenzofuran	0.75	MG/KG	U
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Dichlorobenzene[1,2-]	0.75	MG/KG	U
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Dichlorobenzene[1,3-]	0.75	MG/KG	U
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Dichlorobenzene[1,4-]	0.75	MG/KG	U
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Dichlorobenzidine[3,3'-]	1.5	MG/KG	U
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Dichlorophenol[2,4-]	0.75	MG/KG	U
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Diethylphthalate	0.75	MG/KG	U
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Dimethyl Phthalate	0.75	MG/KG	U
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Dimethylphenol[2,4-]	0.75	MG/KG	U
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Di-n-butylphthalate	1.5	MG/KG	none
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Dinitro-2-methylphenol[4,6-]	3.7	MG/KG	U
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Dinitrophenol[2,4-]	3.7	MG/KG	U
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Dinitrotoluene[2,4-]	0.75	MG/KG	U
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Dinitrotoluene[2,6-]	0.75	MG/KG	U
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Di-n-octylphthalate	0.75	MG/KG	U
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Fluoranthene	0.75	MG/KG	U
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Fluorene	0.75	MG/KG	U
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Hexachlorobenzene	0.75	MG/KG	U
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Hexachlorobutadiene	0.75	MG/KG	U
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Hexachlorocyclopentadiene	0.75	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Hexachloroethane	0.75	MG/KG	U
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Indeno(1,2,3-cd)pyrene	0.75	MG/KG	U
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Isophorone	0.75	MG/KG	U
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Methylnaphthalene[2-]	0.75	MG/KG	U
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Methylphenol[2-]	0.75	MG/KG	U
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Methylphenol[4-]	0.75	MG/KG	U
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Naphthalene	0.75	MG/KG	U
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Nitroaniline[2-]	3.7	MG/KG	U
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Nitroaniline[3-]	3.7	MG/KG	U
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Nitroaniline[4-]	1.4	MG/KG	U
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Nitrobenzene	0.75	MG/KG	U
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Nitrophenol[2-]	0.75	MG/KG	U
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Nitrophenol[4-]	3.7	MG/KG	U
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Nitrosodimethylamine[N-]	0.75	MG/KG	U
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Nitroso-di-n-propylamine[N-]	0.75	MG/KG	U
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Nitrosodiphenylamine[N-]	0.75	MG/KG	U
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Oxybis (1-chloropropane)[2,2'-]	0.75	MG/KG	U
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Pentachlorophenol	3.7	MG/KG	U
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Phenanthrene	0.75	MG/KG	U
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Phenol	0.75	MG/KG	U
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Pyrene	0.75	MG/KG	U
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Pyridine	0.75	MG/KG	U
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Trichlorobenzene [1,2,4-]	0.75	MG/KG	U
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Trichlorophenol[2,4,5-]	3.7	MG/KG	U
16-018	16-2749	0816-96-0060	0	6	IN	SED	SEMI	Trichlorophenol[2,4,6-]	0.75	MG/KG	U
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Acenaphthene	0.71	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Acenaphthylene	0.71	MG/KG	U
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Aniline	0.71	MG/KG	U
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Anthracene	0.71	MG/KG	U
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Azobenzene	0.71	MG/KG	U
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Benzidine	1.4	MG/KG	U
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Benzo(a)anthracene	0.71	MG/KG	U
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Benzo(a)pyrene	0.71	MG/KG	U
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Benzo(b)fluoranthene	0.71	MG/KG	U
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Benzo(g,h,i)perylene	0.71	MG/KG	U
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Benzo(k)fluoranthene	0.71	MG/KG	U
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Benzoic Acid	7.1	MG/KG	U
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Benzyl Alcohol	2.8	MG/KG	U
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Bis(2-chloroethoxy) methane	0.71	MG/KG	U
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Bis(2-chloroethyl)ether	0.71	MG/KG	U
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Bis(2-ethylhexyl) phthalate	0.71	MG/KG	U
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Bromophenyl-phenylether[4-]	0.71	MG/KG	U
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Butylbenzylphthalate	0.71	MG/KG	U
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Carbazole	0.71	MG/KG	U
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Chloro-3-methylphenol[4-]	1.4	MG/KG	U
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Chloroaniline[4-]	2.8	MG/KG	U
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Chloronaphthalene[2-]	0.71	MG/KG	U
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Chlorophenol[2-]	0.71	MG/KG	U
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Chlorophenyl-phenyl[4-] Ether	0.71	MG/KG	U
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Chrysene	0.71	MG/KG	U
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Dibenz(a,h)anthracene	0.71	MG/KG	U
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Dibenzofuran	0.71	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Dichlorobenzene[1,2-]	0.71	MG/KG	U
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Dichlorobenzene[1,3-]	0.71	MG/KG	U
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Dichlorobenzene[1,4-]	0.71	MG/KG	U
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Dichlorobenzidine[3,3'-]	1.4	MG/KG	U
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Dichlorophenol[2,4-]	0.71	MG/KG	U
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Diethylphthalate	0.71	MG/KG	U
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Dimethyl Phthalate	0.71	MG/KG	U
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Dimethylphenol[2,4-]	0.71	MG/KG	U
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Di-n-butylphthalate	0.83	MG/KG	none
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Dinitro-2-methylphenol[4,6-]	3.5	MG/KG	U
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Dinitrophenol[2,4-]	3.5	MG/KG	U
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Dinitrotoluene[2,4-]	0.71	MG/KG	U
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Dinitrotoluene[2,6-]	0.71	MG/KG	U
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Di-n-octylphthalate	0.71	MG/KG	U
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Fluoranthene	0.71	MG/KG	U
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Fluorene	0.71	MG/KG	U
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Hexachlorobenzene	0.71	MG/KG	U
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Hexachlorobutadiene	0.71	MG/KG	U
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Hexachlorocyclopentadiene	0.71	MG/KG	U
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Hexachloroethane	0.71	MG/KG	U
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Indeno(1,2,3-cd)pyrene	0.71	MG/KG	U
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Isophorone	0.71	MG/KG	U
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Methylnaphthalene[2-]	0.71	MG/KG	U
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Methylphenol[2-]	0.71	MG/KG	U
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Methylphenol[4-]	0.71	MG/KG	U
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Naphthalene	0.71	MG/KG	U
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Nitroaniline[2-]	3.5	MG/KG	U
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Nitroaniline[3-]	3.5	MG/KG	U
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Nitroaniline[4-]	1.3	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Nitrobenzene	0.71	MG/KG	U
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Nitrophenol[2-]	0.71	MG/KG	U
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Nitrophenol[4-]	3.5	MG/KG	U
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Nitrosodimethylamine[N-]	0.71	MG/KG	U
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Nitroso-di-n-propylamine[N-]	0.71	MG/KG	U
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Nitrosodiphenylamine[N-]	0.71	MG/KG	U
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Oxybis (1-chloropropane)[2,2'-]	0.71	MG/KG	U
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Pentachlorophenol	3.5	MG/KG	U
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Phenanthrene	0.71	MG/KG	U
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Phenol	0.71	MG/KG	U
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Pyrene	0.71	MG/KG	U
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Pyridine	0.71	MG/KG	U
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Trichlorobenzene [1,2,4-]	0.71	MG/KG	U
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Trichlorophenol[2,4,5-]	3.5	MG/KG	U
16-018	16-2750	0816-96-0061	0	6	IN	SED	SEMI	Trichlorophenol[2,4,6-]	0.71	MG/KG	U
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Acenaphthene	0.84	MG/KG	U
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Acenaphthylene	0.84	MG/KG	U
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Aniline	0.84	MG/KG	U
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Anthracene	0.84	MG/KG	U
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Azobenzene	0.84	MG/KG	U
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Benzidine	1.7	MG/KG	U
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Benzo(a)anthracene	0.84	MG/KG	U
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Benzo(a)pyrene	0.84	MG/KG	U
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Benzo(b)fluoranthene	0.84	MG/KG	U
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Benzo(g,h,i)perylene	0.84	MG/KG	U
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Benzo(k)fluoranthene	0.84	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Benzoic Acid	8.4	MG/KG	U
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Benzyl Alcohol	3.4	MG/KG	U
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Bis(2-chloroethoxy) methane	0.84	MG/KG	U
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Bis(2-chloroethyl)ether	0.84	MG/KG	U
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Bis(2-ethylhexyl) phthalate	0.84	MG/KG	U
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Bromophenyl-phenylether[4-]	0.84	MG/KG	U
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Butylbenzylphthalate	0.84	MG/KG	U
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Carbazole	0.84	MG/KG	U
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Chloro-3-methylphenol[4-]	1.7	MG/KG	U
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Chloroaniline[4-]	3.4	MG/KG	U
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Chloronaphthalene[2-]	0.84	MG/KG	U
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Chlorophenol[2-]	0.84	MG/KG	U
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Chlorophenyl-phenyl[4-] Ether	0.84	MG/KG	U
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Chrysene	0.84	MG/KG	U
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Dibenz(a,h)anthracene	0.84	MG/KG	U
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Dibenzofuran	0.84	MG/KG	U
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Dichlorobenzene[1,2-]	0.84	MG/KG	U
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Dichlorobenzene[1,3-]	0.84	MG/KG	U
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Dichlorobenzene[1,4-]	0.84	MG/KG	U
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Dichlorobenzidine[3,3'-]	1.7	MG/KG	U
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Dichlorophenol[2,4-]	0.84	MG/KG	U
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Diethylphthalate	0.84	MG/KG	U
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Dimethyl Phthalate	0.84	MG/KG	U
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Dimethylphenol[2,4-]	0.84	MG/KG	U
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Di-n-butylphthalate	1.1	MG/KG	none
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Dinitro-2-methylphenol[4,6-]	4.1	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Dinitrophenol[2,4-]	4.1	MG/KG	U
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Dinitrotoluene[2,4-]	0.84	MG/KG	U
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Dinitrotoluene[2,6-]	0.84	MG/KG	U
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Di-n-octylphthalate	0.84	MG/KG	U
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Fluoranthene	0.84	MG/KG	U
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Fluorene	0.84	MG/KG	U
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Hexachlorobenzene	0.84	MG/KG	U
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Hexachlorobutadiene	0.84	MG/KG	U
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Hexachlorocyclopentadiene	0.84	MG/KG	U
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Hexachloroethane	0.84	MG/KG	U
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Indeno(1,2,3-cd)pyrene	0.84	MG/KG	U
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Isophorone	0.84	MG/KG	U
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Methylnaphthalene[2-]	0.84	MG/KG	U
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Methylphenol[2-]	0.84	MG/KG	U
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Methylphenol[4-]	0.84	MG/KG	U
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Naphthalene	0.84	MG/KG	U
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Nitroaniline[2-]	4.1	MG/KG	U
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Nitroaniline[3-]	4.1	MG/KG	U
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Nitroaniline[4-]	1.5	MG/KG	U
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Nitrobenzene	0.84	MG/KG	U
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Nitrophenol[2-]	0.84	MG/KG	U
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Nitrophenol[4-]	4.1	MG/KG	U
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Nitrosodimethylamine[N-]	0.84	MG/KG	U
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Nitroso-di-n-propylamine[N-]	0.84	MG/KG	U
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Nitrosodiphenylamine[N-]	0.84	MG/KG	U
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Oxybis (1-chloropropane)[2,2'-]	0.84	MG/KG	U
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Pentachlorophenol	4.1	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Phenanthrene	0.84	MG/KG	U
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Phenol	0.84	MG/KG	U
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Pyrene	0.84	MG/KG	U
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Pyridine	0.84	MG/KG	U
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Trichlorobenzene [1,2,4-]	0.84	MG/KG	U
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Trichlorophenol[2,4,5-]	4.1	MG/KG	U
16-018	16-2751	0816-96-0062	0	6	IN	SED	SEMI	Trichlorophenol[2,4,6-]	0.84	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Acenaphthene	0.76	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Acenaphthylene	0.76	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Aniline	0.76	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Anthracene	0.76	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Azobenzene	0.76	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Benzidine	1.5	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Benzo(a)anthracene	0.76	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Benzo(a)pyrene	0.76	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Benzo(b)fluoranthene	0.76	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Benzo(g,h,i)perylene	0.76	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Benzo(k)fluoranthene	0.76	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Benzoic Acid	7.6	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Benzyl Alcohol	3	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Bis(2-chloroethoxy) methane	0.76	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Bis(2-chloroethyl)ether	0.76	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Bis(2-ethylhexyl) phthalate	0.76	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Bromophenyl-phenylether[4-]	0.76	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Butylbenzylphthalate	0.76	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Carbazole	0.76	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Chloro-3-methylphenol[4-]	1.5	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Chloroaniline[4-]	3	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Chloronaphthalene[2-]	0.76	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Chlorophenol[2-]	0.76	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Chlorophenyl-phenyl[4-] Ether	0.76	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Chrysene	0.76	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Dibenz(a,h)anthracene	0.76	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Dibenzofuran	0.76	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Dichlorobenzene[1,2-]	0.76	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Dichlorobenzene[1,3-]	0.76	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Dichlorobenzene[1,4-]	0.76	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Dichlorobenzidine[3,3'-]	1.5	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Dichlorophenol[2,4-]	0.76	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Diethylphthalate	0.76	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Dimethyl Phthalate	0.76	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Dimethylphenol[2,4-]	0.76	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Di-n-butylphthalate	0.88	MG/KG	none
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Dinitro-2-methylphenol[4,6-]	3.8	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Dinitrophenol[2,4-]	3.8	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Dinitrotoluene[2,4-]	0.76	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Dinitrotoluene[2,6-]	0.76	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Di-n-octylphthalate	0.76	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Fluoranthene	0.76	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Fluorene	0.76	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Hexachlorobenzene	0.76	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Hexachlorobutadiene	0.76	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Hexachlorocyclopentadiene	0.76	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Hexachloroethane	0.76	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Indeno(1,2,3-cd)pyrene	0.76	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Isophorone	0.76	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Methylnaphthalene[2-]	0.76	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Methylphenol[2-]	0.76	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Methylphenol[4-]	0.76	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Naphthalene	0.76	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Nitroaniline[2-]	3.8	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Nitroaniline[3-]	3.8	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Nitroaniline[4-]	1.4	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Nitrobenzene	0.76	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Nitrophenol[2-]	0.76	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Nitrophenol[4-]	3.8	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Nitrosodimethylamine[N-]	0.76	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Nitroso-di-n-propylamine[N-]	0.76	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Nitrosodiphenylamine[N-]	0.76	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Oxybis (1-chloropropane)[2,2'-]	0.76	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Pentachlorophenol	3.8	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Phenanthrene	0.76	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Phenol	0.76	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Pyrene	0.76	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Pyridine	0.76	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Trichlorobenzene [1,2,4-]	0.76	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Trichlorophenol[2,4,5-]	3.8	MG/KG	U
16-018	16-2752	0816-96-0063	0	6	IN	SED	SEMI	Trichlorophenol[2,4,6-]	0.76	MG/KG	U
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Acenaphthene	0.74	MG/KG	U
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Acenaphthylene	0.74	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Aniline	0.74	MG/KG	U
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Anthracene	0.74	MG/KG	U
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Azobenzene	0.74	MG/KG	U
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Benzidine	1.5	MG/KG	U
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Benzo(a)anthracene	0.74	MG/KG	U
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Benzo(a)pyrene	0.74	MG/KG	U
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Benzo(b)fluoranthene	0.74	MG/KG	U
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Benzo(g,h,i)perylene	0.74	MG/KG	U
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Benzo(k)fluoranthene	0.74	MG/KG	U
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Benzoic Acid	7.4	MG/KG	U
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Benzyl Alcohol	3	MG/KG	U
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Bis(2-chloroethoxy) methane	0.74	MG/KG	U
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Bis(2-chloroethyl)ether	0.74	MG/KG	U
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Bis(2-ethylhexyl) phthalate	0.74	MG/KG	U
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Bromophenyl-phenylether[4-]	0.74	MG/KG	U
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Butylbenzylphthalate	0.74	MG/KG	U
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Carbazole	0.74	MG/KG	U
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Chloro-3-methylphenol[4-]	1.5	MG/KG	U
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Chloroaniline[4-]	3	MG/KG	U
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Chloronaphthalene[2-]	0.74	MG/KG	U
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Chlorophenol[2-]	0.74	MG/KG	U
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Chlorophenyl-phenyl[4-] Ether	0.74	MG/KG	U
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Chrysene	0.74	MG/KG	U
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Dibenz(a,h)anthracene	0.74	MG/KG	U
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Dibenzofuran	0.74	MG/KG	U
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Dichlorobenzene[1,2-]	0.74	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Dichlorobenzene[1,3-]	0.74	MG/KG	U
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Dichlorobenzene[1,4-]	0.74	MG/KG	U
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Dichlorobenzidine[3,3'-]	1.5	MG/KG	U
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Dichlorophenol[2,4-]	0.74	MG/KG	U
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Diethylphthalate	0.74	MG/KG	U
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Dimethyl Phthalate	0.74	MG/KG	U
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Dimethylphenol[2,4-]	0.74	MG/KG	U
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Di-n-butylphthalate	1.9	MG/KG	none
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Dinitro-2-methylphenol[4,6-]	3.7	MG/KG	U
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Dinitrophenol[2,4-]	3.7	MG/KG	U
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Dinitrotoluene[2,4-]	0.74	MG/KG	U
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Dinitrotoluene[2,6-]	0.74	MG/KG	U
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Di-n-octylphthalate	0.74	MG/KG	U
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Fluoranthene	0.74	MG/KG	U
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Fluorene	0.74	MG/KG	U
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Hexachlorobenzene	0.74	MG/KG	U
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Hexachlorobutadiene	0.74	MG/KG	U
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Hexachlorocyclopentadiene	0.74	MG/KG	U
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Hexachloroethane	0.74	MG/KG	U
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Indeno(1,2,3-cd)pyrene	0.74	MG/KG	U
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Isophorone	0.74	MG/KG	U
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Methylnaphthalene[2-]	0.74	MG/KG	U
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Methylphenol[2-]	0.74	MG/KG	U
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Methylphenol[4-]	0.74	MG/KG	U
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Naphthalene	0.74	MG/KG	U
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Nitroaniline[2-]	3.7	MG/KG	U
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Nitroaniline[3-]	3.7	MG/KG	U
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Nitroaniline[4-]	1.3	MG/KG	U
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Nitrobenzene	0.74	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Nitrophenol[2-]	0.74	MG/KG	U
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Nitrophenol[4-]	3.7	MG/KG	U
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Nitrosodimethylamine[N-]	0.74	MG/KG	U
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Nitroso-di-n-propylamine[N-]	0.74	MG/KG	U
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Nitrosodiphenylamine[N-]	0.74	MG/KG	U
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Oxybis (1-chloropropane)[2,2'-]	0.74	MG/KG	U
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Pentachlorophenol	3.7	MG/KG	U
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Phenanthrene	0.74	MG/KG	U
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Phenol	0.74	MG/KG	U
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Pyrene	0.74	MG/KG	U
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Pyridine	0.74	MG/KG	U
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Trichlorobenzene [1,2,4-]	0.74	MG/KG	U
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Trichlorophenol[2,4,5-]	3.7	MG/KG	U
16-018	16-2753	0816-96-0064	0	6	IN	SED	SEMI	Trichlorophenol[2,4,6-]	0.74	MG/KG	U
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Acenaphthene	0.74	MG/KG	U
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Acenaphthylene	0.74	MG/KG	U
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Aniline	0.74	MG/KG	U
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Anthracene	0.74	MG/KG	U
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Azobenzene	0.74	MG/KG	U
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Benzidine	1.5	MG/KG	U
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Benzo(a)anthracene	0.74	MG/KG	U
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Benzo(a)pyrene	0.74	MG/KG	U
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Benzo(b)fluoranthene	0.74	MG/KG	U
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Benzo(g,h,i)perylene	0.74	MG/KG	U
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Benzo(k)fluoranthene	0.74	MG/KG	U
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Benzoic Acid	7.4	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Benzyl Alcohol	3	MG/KG	U
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Bis(2-chloroethoxy) methane	0.74	MG/KG	U
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Bis(2-chloroethyl)ether	0.74	MG/KG	U
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Bis(2-ethylhexyl) phthalate	0.74	MG/KG	U
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Bromophenyl-phenylether[4-]	0.74	MG/KG	U
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Butylbenzylphthalate	0.74	MG/KG	U
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Carbazole	0.74	MG/KG	U
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Chloro-3-methylphenol[4-]	1.5	MG/KG	U
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Chloroaniline[4-]	3	MG/KG	U
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Chloronaphthalene[2-]	0.74	MG/KG	U
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Chlorophenol[2-]	0.74	MG/KG	U
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Chlorophenyl-phenyl[4-] Ether	0.74	MG/KG	U
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Chrysene	0.74	MG/KG	U
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Dibenz(a,h)anthracene	0.74	MG/KG	U
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Dibenzofuran	0.74	MG/KG	U
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Dichlorobenzene[1,2-]	0.74	MG/KG	U
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Dichlorobenzene[1,3-]	0.74	MG/KG	U
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Dichlorobenzene[1,4-]	0.74	MG/KG	U
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Dichlorobenzidine[3,3'-]	1.5	MG/KG	U
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Dichlorophenol[2,4-]	0.74	MG/KG	U
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Diethylphthalate	0.74	MG/KG	U
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Dimethyl Phthalate	0.74	MG/KG	U
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Dimethylphenol[2,4-]	0.74	MG/KG	U
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Di-n-butylphthalate	10	MG/KG	none
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Dinitro-2-methylphenol[4,6-]	3.7	MG/KG	U
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Dinitrophenol[2,4-]	3.7	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Dinitrotoluene[2,4-]	0.74	MG/KG	U
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Dinitrotoluene[2,6-]	0.74	MG/KG	U
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Di-n-octylphthalate	0.74	MG/KG	U
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Fluoranthene	0.74	MG/KG	U
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Fluorene	0.74	MG/KG	U
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Hexachlorobenzene	0.74	MG/KG	U
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Hexachlorobutadiene	0.74	MG/KG	U
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Hexachlorocyclopentadiene	0.74	MG/KG	U
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Hexachloroethane	0.74	MG/KG	U
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Indeno(1,2,3-cd)pyrene	0.74	MG/KG	U
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Isophorone	0.74	MG/KG	U
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Methylnaphthalene[2-]	0.74	MG/KG	U
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Methylphenol[2-]	0.74	MG/KG	U
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Methylphenol[4-]	0.74	MG/KG	U
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Naphthalene	0.74	MG/KG	U
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Nitroaniline[2-]	3.7	MG/KG	U
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Nitroaniline[3-]	3.7	MG/KG	U
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Nitroaniline[4-]	1.3	MG/KG	U
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Nitrobenzene	0.74	MG/KG	U
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Nitrophenol[2-]	0.74	MG/KG	U
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Nitrophenol[4-]	3.7	MG/KG	U
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Nitrosodimethylamine[N-]	0.74	MG/KG	U
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Nitroso-di-n-propylamine[N-]	0.74	MG/KG	U
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Nitrosodiphenylamine[N-]	0.74	MG/KG	U
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Oxybis (1-chloropropane)[2,2'-]	0.74	MG/KG	U
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Pentachlorophenol	3.7	MG/KG	U
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Phenanthrene	0.74	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Phenol	0.74	MG/KG	U
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Pyrene	0.74	MG/KG	U
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Pyridine	0.74	MG/KG	U
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Trichlorobenzene [1,2,4-]	0.74	MG/KG	U
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Trichlorophenol[2,4,5-]	3.7	MG/KG	U
16-018	16-2754	0816-96-0065	0	6	IN	SED	SEMI	Trichlorophenol[2,4,6-]	0.74	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Acenaphthene	0.84	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Acenaphthylene	0.84	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Aniline	0.84	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Anthracene	0.84	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Azobenzene	0.84	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Benzidine	1.7	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Benzo(a)anthracene	0.84	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Benzo(a)pyrene	0.84	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Benzo(b)fluoranthene	0.84	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Benzo(g,h,i)perylene	0.84	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Benzo(k)fluoranthene	0.84	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Benzoic Acid	8.4	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Benzyl Alcohol	3.4	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Bis(2-chloroethoxy) methane	0.84	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Bis(2-chloroethyl)ether	0.84	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Bis(2-ethylhexyl) phthalate	0.84	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Bromophenyl-phenylether[4-]	0.84	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Butylbenzylphthalate	0.84	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Carbazole	0.84	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Chloro-3-methylphenol[4-]	1.7	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Chloroaniline[4-]	3.4	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Chloronaphthalene[2-]	0.84	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Chlorophenol[2-]	0.84	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Chlorophenyl-phenyl[4-] Ether	0.84	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Chrysene	0.84	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Dibenz(a,h)anthracene	0.84	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Dibenzofuran	0.84	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Dichlorobenzene[1,2-]	0.84	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Dichlorobenzene[1,3-]	0.84	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Dichlorobenzene[1,4-]	0.84	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Dichlorobenzidine[3,3'-]	1.7	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Dichlorophenol[2,4-]	0.84	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Diethylphthalate	0.84	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Dimethyl Phthalate	0.84	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Dimethylphenol[2,4-]	0.84	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Di-n-butylphthalate	3	MG/KG	none
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Dinitro-2-methylphenol[4,6-]	4.2	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Dinitrophenol[2,4-]	4.2	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Dinitrotoluene[2,4-]	0.84	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Dinitrotoluene[2,6-]	0.84	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Di-n-octylphthalate	0.84	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Fluoranthene	0.84	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Fluorene	0.84	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Hexachlorobenzene	0.84	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Hexachlorobutadiene	0.84	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Hexachlorocyclopentadiene	0.84	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Hexachloroethane	0.84	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Indeno(1,2,3-cd)pyrene	0.84	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Isophorone	0.84	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Methylnaphthalene[2-]	0.84	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Methylphenol[2-]	0.84	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Methylphenol[4-]	0.84	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Naphthalene	0.84	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Nitroaniline[2-]	4.2	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Nitroaniline[3-]	4.2	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Nitroaniline[4-]	1.5	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Nitrobenzene	0.84	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Nitrophenol[2-]	0.84	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Nitrophenol[4-]	4.2	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Nitrosodimethylamine[N-]	0.84	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Nitroso-di-n-propylamine[N-]	0.84	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Nitrosodiphenylamine[N-]	0.84	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Oxybis (1-chloropropane)[2,2'-]	0.84	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Pentachlorophenol	4.2	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Phenanthrene	0.84	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Phenol	0.84	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Pyrene	0.84	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Pyridine	0.84	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Trichlorobenzene [1,2,4-]	0.84	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Trichlorophenol[2,4,5-]	4.2	MG/KG	U
16-018	16-2755	0816-96-0066	0	6	IN	SED	SEMI	Trichlorophenol[2,4,6-]	0.84	MG/KG	U
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Acenaphthene	0.81	MG/KG	U
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Acenaphthylene	0.81	MG/KG	U
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Aniline	0.81	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Anthracene	0.81	MG/KG	U
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Azobenzene	0.81	MG/KG	U
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Benzidine	1.6	MG/KG	U
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Benzo(a)anthracene	0.81	MG/KG	U
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Benzo(a)pyrene	0.81	MG/KG	U
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Benzo(b)fluoranthene	0.81	MG/KG	U
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Benzo(g,h,i)perylene	0.81	MG/KG	U
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Benzo(k)fluoranthene	0.81	MG/KG	U
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Benzoic Acid	8.1	MG/KG	U
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Benzyl Alcohol	3.3	MG/KG	U
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Bis(2-chloroethoxy) methane	0.81	MG/KG	U
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Bis(2-chloroethyl)ether	0.81	MG/KG	U
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Bis(2-ethylhexyl) phthalate	0.81	MG/KG	U
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Bromophenyl-phenylether[4-]	0.81	MG/KG	U
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Butylbenzylphthalate	0.81	MG/KG	U
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Carbazole	0.81	MG/KG	U
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Chloro-3-methylphenol[4-]	1.6	MG/KG	U
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Chloroaniline[4-]	3.3	MG/KG	U
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Chloronaphthalene[2-]	0.81	MG/KG	U
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Chlorophenol[2-]	0.81	MG/KG	U
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Chlorophenyl-phenyl[4-] Ether	0.81	MG/KG	U
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Chrysene	0.81	MG/KG	U
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Dibenz(a,h)anthracene	0.81	MG/KG	U
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Dibenzofuran	0.81	MG/KG	U
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Dichlorobenzene[1,2-]	0.81	MG/KG	U
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Dichlorobenzene[1,3-]	0.81	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Dichlorobenzene[1,4-]	0.81	MG/KG	U
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Dichlorobenzidine[3,3'-]	1.6	MG/KG	U
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Dichlorophenol[2,4-]	0.81	MG/KG	U
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Diethylphthalate	0.81	MG/KG	U
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Dimethyl Phthalate	0.81	MG/KG	U
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Dimethylphenol[2,4-]	0.81	MG/KG	U
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Di-n-butylphthalate	0.97	MG/KG	none
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Dinitro-2-methylphenol[4,6-]	4	MG/KG	U
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Dinitrophenol[2,4-]	4	MG/KG	U
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Dinitrotoluene[2,4-]	0.81	MG/KG	U
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Dinitrotoluene[2,6-]	0.81	MG/KG	U
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Di-n-octylphthalate	0.81	MG/KG	U
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Fluoranthene	0.81	MG/KG	U
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Fluorene	0.81	MG/KG	U
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Hexachlorobenzene	0.81	MG/KG	U
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Hexachlorobutadiene	0.81	MG/KG	U
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Hexachlorocyclopentadiene	0.81	MG/KG	U
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Hexachloroethane	0.81	MG/KG	U
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Indeno(1,2,3-cd)pyrene	0.81	MG/KG	U
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Isophorone	0.81	MG/KG	U
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Methylnaphthalene[2-]	0.81	MG/KG	U
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Methylphenol[2-]	0.81	MG/KG	U
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Methylphenol[4-]	0.81	MG/KG	U
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Naphthalene	0.81	MG/KG	U
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Nitroaniline[2-]	4	MG/KG	U
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Nitroaniline[3-]	4	MG/KG	U
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Nitroaniline[4-]	1.5	MG/KG	U
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Nitrobenzene	0.81	MG/KG	U
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Nitrophenol[2-]	0.81	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Nitrophenol[4-]	4	MG/KG	U
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Nitrosodimethylamine[N-]	0.81	MG/KG	U
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Nitroso-di-n-propylamine[N-]	0.81	MG/KG	U
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Nitrosodiphenylamine[N-]	0.81	MG/KG	U
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Oxybis (1-chloropropane)[2,2'-]	0.81	MG/KG	U
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Pentachlorophenol	4	MG/KG	U
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Phenanthrene	0.81	MG/KG	U
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Phenol	0.81	MG/KG	U
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Pyrene	0.81	MG/KG	U
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Pyridine	0.81	MG/KG	U
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Trichlorobenzene [1,2,4-]	0.81	MG/KG	U
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Trichlorophenol[2,4,5-]	4	MG/KG	U
16-018	16-2756	0816-96-0067	0	6	IN	SED	SEMI	Trichlorophenol[2,4,6-]	0.81	MG/KG	U
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Acenaphthene	1.3	MG/KG	U
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Acenaphthylene	1.3	MG/KG	U
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Aniline	1.3	MG/KG	U
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Anthracene	1.3	MG/KG	U
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Azobenzene	1.3	MG/KG	U
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Benzidine	2.7	MG/KG	U
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Benzo(a)anthracene	1.3	MG/KG	U
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Benzo(a)pyrene	1.3	MG/KG	U
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Benzo(b)fluoranthene	1.3	MG/KG	U
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Benzo(g,h,i)perylene	1.3	MG/KG	U
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Benzo(k)fluoranthene	1.3	MG/KG	U
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Benzoic Acid	13	MG/KG	U
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Benzyl Alcohol	5.4	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Bis(2-chloroethoxy) methane	1.3	MG/KG	U
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Bis(2-chloroethyl)ether	1.3	MG/KG	U
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Bis(2-ethylhexyl) phthalate	0.49	MG/KG	J
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Bromophenyl-phenylether[4-]	1.3	MG/KG	U
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Butylbenzylphthalate	1.3	MG/KG	U
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Carbazole	1.3	MG/KG	U
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Chloro-3-methylphenol[4-]	2.7	MG/KG	U
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Chloroaniline[4-]	5.4	MG/KG	U
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Chloronaphthalene[2-]	1.3	MG/KG	U
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Chlorophenol[2-]	1.3	MG/KG	U
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Chlorophenyl-phenyl[4-] Ether	1.3	MG/KG	U
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Chrysene	1.3	MG/KG	U
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Dibenz(a,h)anthracene	1.3	MG/KG	U
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Dibenzofuran	1.3	MG/KG	U
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Dichlorobenzene[1,2-]	1.3	MG/KG	U
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Dichlorobenzene[1,3-]	1.3	MG/KG	U
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Dichlorobenzene[1,4-]	1.3	MG/KG	U
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Dichlorobenzidine[3,3'-]	2.7	MG/KG	U
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Dichlorophenol[2,4-]	1.3	MG/KG	U
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Diethylphthalate	1.3	MG/KG	U
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Dimethyl Phthalate	1.3	MG/KG	U
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Dimethylphenol[2,4-]	1.3	MG/KG	U
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Di-n-butylphthalate	1.4	MG/KG	none
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Dinitro-2-methylphenol[4,6-]	6.7	MG/KG	U
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Dinitrophenol[2,4-]	6.7	MG/KG	U
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Dinitrotoluene[2,4-]	1.3	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Dinitrotoluene[2,6-]	1.3	MG/KG	U
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Di-n-octylphthalate	1.3	MG/KG	U
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Fluoranthene	1.3	MG/KG	U
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Fluorene	1.3	MG/KG	U
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Hexachlorobenzene	1.3	MG/KG	U
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Hexachlorobutadiene	1.3	MG/KG	U
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Hexachlorocyclopentadiene	1.3	MG/KG	U
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Hexachloroethane	1.3	MG/KG	U
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Indeno(1,2,3-cd)pyrene	1.3	MG/KG	U
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Isophorone	1.3	MG/KG	U
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Methylnaphthalene[2-]	1.3	MG/KG	U
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Methylphenol[2-]	1.3	MG/KG	U
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Methylphenol[4-]	1.3	MG/KG	U
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Naphthalene	1.3	MG/KG	U
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Nitroaniline[2-]	6.7	MG/KG	U
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Nitroaniline[3-]	6.7	MG/KG	U
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Nitroaniline[4-]	2.4	MG/KG	U
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Nitrobenzene	1.3	MG/KG	U
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Nitrophenol[2-]	1.3	MG/KG	U
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Nitrophenol[4-]	6.7	MG/KG	U
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Nitrosodimethylamine[N-]	1.3	MG/KG	U
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Nitroso-di-n-propylamine[N-]	1.3	MG/KG	U
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Nitrosodiphenylamine[N-]	1.3	MG/KG	U
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Oxybis (1-chloropropane)[2,2'-]	1.3	MG/KG	U
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Pentachlorophenol	6.7	MG/KG	U
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Phenanthrene	1.3	MG/KG	U
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Phenol	1.3	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Pyrene	1.3	MG/KG	U
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Pyridine	1.3	MG/KG	U
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Trichlorobenzene [1,2,4-]	1.3	MG/KG	U
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Trichlorophenol[2,4,5-]	6.7	MG/KG	U
16-018	16-2757	0816-96-0068	0	6	IN	SED	SEMI	Trichlorophenol[2,4,6-]	1.3	MG/KG	U
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Acenaphthene	4.6	MG/KG	U
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Acenaphthylene	0.92	MG/KG	U
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Aniline	0.92	MG/KG	U
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Anthracene	0.92	MG/KG	U
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Azobenzene	0.92	MG/KG	U
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Benzidine	1.8	MG/KG	U
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Benzo(a)anthracene	0.92	MG/KG	U
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Benzo(a)pyrene	0.92	MG/KG	U
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Benzo(b)fluoranthene	0.92	MG/KG	U
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Benzo(g,h,i)perylene	0.92	MG/KG	U
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Benzo(k)fluoranthene	0.92	MG/KG	U
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Benzoic Acid	9.2	MG/KG	U
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Bis(2-chloroethoxy) methane	0.92	MG/KG	U
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Bis(2-chloroethyl)ether	0.92	MG/KG	U
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Bis(2-ethylhexyl) phthalate	0.2	MG/KG	J
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Bromophenyl-phenylether[4-]	0.92	MG/KG	U
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Butylbenzylphthalate	0.92	MG/KG	U
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Carbazole	0.92	MG/KG	U
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Chloro-3-methylphenol[4-]	1.8	MG/KG	U
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Chloroaniline[4-]	3.7	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Chloronaphthalene[2-]	0.92	MG/KG	U
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Chlorophenol[2-]	0.92	MG/KG	U
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Chlorophenyl-phenyl[4-] Ether	0.92	MG/KG	U
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Chrysene	0.92	MG/KG	U
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Dibenz(a,h)anthracene	0.92	MG/KG	U
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Dibenzofuran	0.92	MG/KG	U
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Dichlorobenzene[1,2-]	0.92	MG/KG	U
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Dichlorobenzene[1,3-]	0.92	MG/KG	U
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Dichlorobenzene[1,4-]	0.92	MG/KG	U
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Dichlorobenzidine[3,3'-]	1.8	MG/KG	U
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Dichlorophenol[2,4-]	0.92	MG/KG	U
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Diethylphthalate	0.92	MG/KG	U
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Dimethyl Phthalate	0.92	MG/KG	U
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Dimethylphenol[2,4-]	0.92	MG/KG	U
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Di-n-butylphthalate	2.7	MG/KG	none
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Dinitro-2-methylphenol[4,6-]	4.6	MG/KG	U
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Dinitrophenol[2,4-]	4.6	MG/KG	U
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Dinitrotoluene[2,4-]	0.92	MG/KG	U
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Dinitrotoluene[2,6-]	0.92	MG/KG	U
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Di-n-octylphthalate	0.92	MG/KG	U
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Fluoranthene	0.92	MG/KG	U
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Fluorene	0.92	MG/KG	U
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Hexachlorobenzene	0.92	MG/KG	U
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Hexachlorobutadiene	0.92	MG/KG	U
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Hexachlorocyclopentadiene	0.92	MG/KG	U
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Hexachloroethane	0.92	MG/KG	U
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Indeno(1,2,3-cd)pyrene	0.92	MG/KG	U
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Isophorone	0.92	MG/KG	U
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Methylnaphthalene[2-]	0.92	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Methylphenol[2-]	0.92	MG/KG	U
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Methylphenol[4-]	0.92	MG/KG	U
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Naphthalene	0.92	MG/KG	U
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Nitroaniline[2-]	4.6	MG/KG	U
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Nitroaniline[3-]	4.6	MG/KG	U
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Nitroaniline[4-]	1.7	MG/KG	U
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Nitrobenzene	0.92	MG/KG	U
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Nitrophenol[2-]	0.92	MG/KG	U
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Nitrophenol[4-]	4.6	MG/KG	U
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Nitrosodimethylamine[N-]	0.92	MG/KG	U
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Nitroso-di-n-propylamine[N-]	0.92	MG/KG	U
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Nitrosodiphenylamine[N-]	0.92	MG/KG	U
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Oxybis (1-chloropropane)[2,2'-]	0.92	MG/KG	U
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Pentachlorophenol	4.6	MG/KG	U
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Phenanthrene	0.92	MG/KG	U
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Phenol	0.92	MG/KG	U
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Pyrene	0.92	MG/KG	U
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Pyridine	0.92	MG/KG	U
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Trichlorobenzene [1,2,4-]	0.92	MG/KG	U
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Trichlorophenol[2,4,5-]	4.6	MG/KG	U
16-018	16-2758	0816-96-0069	0	6	IN	SED	SEMI	Trichlorophenol[2,4,6-]	0.92	MG/KG	U
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Acenaphthene	1	MG/KG	U
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Acenaphthylene	1	MG/KG	U
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Aniline	1	MG/KG	U
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Anthracene	1	MG/KG	U
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Azobenzene	1	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Benzo(a)anthracene	1	MG/KG	U
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Benzo(a)pyrene	1	MG/KG	U
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Benzo(b)fluoranthene	1	MG/KG	U
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Benzo(g,h,i)perylene	1	MG/KG	U
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Benzo(k)fluoranthene	1	MG/KG	U
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Benzoic Acid	10	MG/KG	U
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Benzyl Alcohol	4.2	MG/KG	U
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Bis(2-chloroethoxy) methane	1	MG/KG	U
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Bis(2-chloroethyl)ether	1	MG/KG	U
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Bis(2-ethylhexyl) phthalate	1	MG/KG	U
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Bromophenyl-phenylether[4-]	1	MG/KG	U
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Butylbenzylphthalate	1	MG/KG	U
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Carbazole	1	MG/KG	U
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Chloro-3-methylphenol[4-]	2.1	MG/KG	U
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Chloroaniline[4-]	4.2	MG/KG	U
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Chloronaphthalene[2-]	1	MG/KG	U
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Chlorophenol[2-]	1	MG/KG	U
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Chlorophenyl-phenyl[4-] Ether	1	MG/KG	U
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Chrysene	1	MG/KG	U
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Dibenz(a,h)anthracene	1	MG/KG	U
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Dibenzofuran	1	MG/KG	U
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Dichlorobenzene[1,2-]	1	MG/KG	U
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Dichlorobenzene[1,3-]	1	MG/KG	U
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Dichlorobenzene[1,4-]	1	MG/KG	U
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Dichlorobenzidine[3,3'-]	2.1	MG/KG	U
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Dichlorophenol[2,4-]	1	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Diethylphthalate	1	MG/KG	U
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Dimethyl Phthalate	1	MG/KG	U
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Dimethylphenol[2,4-]	1	MG/KG	U
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Di-n-butylphthalate	1	MG/KG	U
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Dinitro-2-methylphenol[4,6-]	5.1	MG/KG	U
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Dinitrophenol[2,4-]	5.1	MG/KG	U
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Dinitrotoluene[2,4-]	1	MG/KG	U
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Dinitrotoluene[2,6-]	1	MG/KG	U
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Di-n-octylphthalate	1	MG/KG	U
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Fluoranthene	1	MG/KG	U
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Fluorene	1	MG/KG	U
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Hexachlorobenzene	1	MG/KG	U
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Hexachlorobutadiene	1	MG/KG	U
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Hexachlorocyclopentadiene	1	MG/KG	U
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Hexachloroethane	1	MG/KG	U
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Indeno(1,2,3-cd)pyrene	1	MG/KG	U
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Isophorone	1	MG/KG	U
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Methylnaphthalene[2-]	1	MG/KG	U
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Methylphenol[2-]	1	MG/KG	U
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Methylphenol[4-]	1	MG/KG	U
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Naphthalene	1	MG/KG	U
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Nitroaniline[2-]	5.1	MG/KG	U
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Nitroaniline[3-]	5.1	MG/KG	U
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Nitroaniline[4-]	1.9	MG/KG	U
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Nitrobenzene	1	MG/KG	U
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Nitrophenol[2-]	1	MG/KG	U
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Nitrophenol[4-]	5.1	MG/KG	U
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Nitrosodimethylamine[N-]	1	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Nitroso-di-n-propylamine[N-]	1	MG/KG	U
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Nitrosodiphenylamine[N-]	1	MG/KG	U
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Oxybis (1-chloropropane)[2,2'-]	1	MG/KG	U
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Pentachlorophenol	5.1	MG/KG	U
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Phenanthrene	1	MG/KG	U
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Phenol	1	MG/KG	U
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Pyrene	1	MG/KG	U
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Pyridine	1	MG/KG	U
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Trichlorobenzene [1,2,4-]	1	MG/KG	U
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Trichlorophenol[2,4,5-]	5.1	MG/KG	U
16-018	16-2759	0816-96-0070	0	6	IN	SED	SEMI	Trichlorophenol[2,4,6-]	1	MG/KG	U
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Acenaphthene	0.44	MG/KG	U
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Acenaphthylene	0.44	MG/KG	U
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Aniline	0.44	MG/KG	U
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Anthracene	0.44	MG/KG	U
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Azobenzene	0.44	MG/KG	U
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Benzo(a)anthracene	0.44	MG/KG	U
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Benzo(a)pyrene	0.44	MG/KG	U
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Benzo(b)fluoranthene	0.44	MG/KG	U
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Benzo(g,h,i)perylene	0.44	MG/KG	U
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Benzo(k)fluoranthene	0.44	MG/KG	U
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Benzoic Acid	4.4	MG/KG	U
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Benzyl Alcohol	1.8	MG/KG	U
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Bis(2-chloroethoxy) methane	0.44	MG/KG	U
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Bis(2-chloroethyl)ether	0.44	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Bis(2-ethylhexyl) phthalate	0.44	MG/KG	U
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Bromophenyl-phenylether[4-]	0.44	MG/KG	U
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Butylbenzylphthalate	0.44	MG/KG	U
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Carbazole	0.44	MG/KG	U
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Chloro-3-methylphenol[4-]	0.88	MG/KG	U
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Chloroaniline[4-]	1.8	MG/KG	U
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Chloronaphthalene[2-]	0.44	MG/KG	U
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Chlorophenol[2-]	0.44	MG/KG	U
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Chlorophenyl-phenyl[4-] Ether	0.44	MG/KG	U
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Chrysene	0.44	MG/KG	U
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Dibenz(a,h)anthracene	0.44	MG/KG	U
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Dibenzofuran	0.44	MG/KG	U
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Dichlorobenzene[1,2-]	0.44	MG/KG	U
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Dichlorobenzene[1,3-]	0.44	MG/KG	U
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Dichlorobenzene[1,4-]	0.44	MG/KG	U
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Dichlorobenzidine[3,3'-]	0.88	MG/KG	U
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Dichlorophenol[2,4-]	0.44	MG/KG	U
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Diethylphthalate	0.44	MG/KG	U
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Dimethyl Phthalate	0.44	MG/KG	U
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Dimethylphenol[2,4-]	0.44	MG/KG	U
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Di-n-butylphthalate	2	MG/KG	none
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Dinitro-2-methylphenol[4,6-]	2.2	MG/KG	U
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Dinitrophenol[2,4-]	2.2	MG/KG	U
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Dinitrotoluene[2,4-]	0.44	MG/KG	U
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Dinitrotoluene[2,6-]	0.44	MG/KG	U
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Di-n-octylphthalate	0.44	MG/KG	U
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Fluoranthene	0.44	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Fluorene	0.44	MG/KG	U
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Hexachlorobenzene	0.44	MG/KG	U
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Hexachlorobutadiene	0.44	MG/KG	U
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Hexachlorocyclopentadiene	0.44	MG/KG	U
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Hexachloroethane	0.44	MG/KG	U
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Indeno(1,2,3-cd)pyrene	0.44	MG/KG	U
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Isophorone	0.44	MG/KG	U
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Methylnaphthalene[2-]	0.44	MG/KG	U
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Methylphenol[2-]	0.44	MG/KG	U
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Methylphenol[4-]	0.44	MG/KG	U
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Naphthalene	0.44	MG/KG	U
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Nitroaniline[2-]	2.2	MG/KG	U
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Nitroaniline[3-]	2.2	MG/KG	U
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Nitroaniline[4-]	0.8	MG/KG	U
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Nitrobenzene	0.44	MG/KG	U
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Nitrophenol[2-]	0.44	MG/KG	U
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Nitrophenol[4-]	2.2	MG/KG	U
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Nitrosodimethylamine[N-]	0.44	MG/KG	U
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Nitroso-di-n-propylamine[N-]	0.44	MG/KG	U
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Nitrosodiphenylamine[N-]	0.44	MG/KG	U
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Oxybis (1-chloropropane)[2,2'-]	0.44	MG/KG	U
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Pentachlorophenol	2.2	MG/KG	U
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Phenanthrene	0.44	MG/KG	U
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Phenol	0.44	MG/KG	U
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Pyrene	0.44	MG/KG	U
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Pyridine	0.44	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Trichlorobenzene [1,2,4-]	0.44	MG/KG	U
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Trichlorophenol[2,4,5-]	2.2	MG/KG	U
16-018	16-2760	0816-96-0071	0	6	IN	SED	SEMI	Trichlorophenol[2,4,6-]	0.44	MG/KG	U
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Acenaphthene	1.4	MG/KG	U
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Acenaphthylene	1.4	MG/KG	U
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Aniline	1.4	MG/KG	U
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Anthracene	1.4	MG/KG	U
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Azobenzene	1.4	MG/KG	U
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Benzo(a)anthracene	1.4	MG/KG	U
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Benzo(a)pyrene	1.4	MG/KG	U
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Benzo(b)fluoranthene	1.4	MG/KG	U
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Benzo(g,h,i)perylene	1.4	MG/KG	U
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Benzo(k)fluoranthene	1.4	MG/KG	U
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Benzoic Acid	0.45	MG/KG	J
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Benzyl Alcohol	5.6	MG/KG	U
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Bis(2-chloroethoxy) methane	1.4	MG/KG	U
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Bis(2-chloroethyl)ether	1.4	MG/KG	U
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Bis(2-ethylhexyl) phthalate	1.4	MG/KG	U
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Bromophenyl-phenylether[4-]	1.4	MG/KG	U
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Butylbenzylphthalate	1.4	MG/KG	U
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Carbazole	1.4	MG/KG	U
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Chloro-3-methylphenol[4-]	2.8	MG/KG	U
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Chloroaniline[4-]	5.6	MG/KG	U
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Chloronaphthalene[2-]	1.4	MG/KG	U
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Chlorophenol[2-]	1.4	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Chlorophenyl-phenyl[4-] Ether	1.4	MG/KG	U
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Chrysene	1.4	MG/KG	U
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Dibenz(a,h)anthracene	1.4	MG/KG	U
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Dibenzofuran	1.4	MG/KG	U
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Dichlorobenzene[1,2-]	1.4	MG/KG	U
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Dichlorobenzene[1,3-]	1.4	MG/KG	U
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Dichlorobenzene[1,4-]	1.4	MG/KG	U
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Dichlorobenzidine[3,3'-]	2.8	MG/KG	U
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Dichlorophenol[2,4-]	1.4	MG/KG	U
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Diethylphthalate	1.4	MG/KG	U
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Dimethyl Phthalate	1.4	MG/KG	U
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Dimethylphenol[2,4-]	1.4	MG/KG	U
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Di-n-butylphthalate	3.9	MG/KG	none
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Dinitro-2-methylphenol[4,6-]	7	MG/KG	U
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Dinitrophenol[2,4-]	7	MG/KG	U
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Dinitrotoluene[2,4-]	1.4	MG/KG	U
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Dinitrotoluene[2,6-]	1.4	MG/KG	U
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Di-n-octylphthalate	1.4	MG/KG	U
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Fluoranthene	1.4	MG/KG	U
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Fluorene	1.4	MG/KG	U
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Hexachlorobenzene	1.4	MG/KG	U
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Hexachlorobutadiene	1.4	MG/KG	U
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Hexachlorocyclopentadiene	1.4	MG/KG	U
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Hexachloroethane	1.4	MG/KG	U
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Indeno(1,2,3-cd)pyrene	1.4	MG/KG	U
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Isophorone	1.4	MG/KG	U
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Methylnaphthalene[2-]	1.4	MG/KG	U
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Methylphenol[2-]	1.4	MG/KG	U
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Methylphenol[4-]	1.4	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Naphthalene	1.4	MG/KG	U
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Nitroaniline[2-]	4	MG/KG	U
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Nitroaniline[3-]	7	MG/KG	U
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Nitroaniline[4-]	2.5	MG/KG	U
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Nitrobenzene	1.4	MG/KG	U
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Nitrophenol[2-]	1.4	MG/KG	U
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Nitrophenol[4-]	7	MG/KG	U
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Nitrosodimethylamine[N-]	1.4	MG/KG	U
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Nitroso-di-n-propylamine[N-]	1.4	MG/KG	U
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Nitrosodiphenylamine[N-]	1.4	MG/KG	U
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Oxybis (1-chloropropane)[2,2'-]	1.4	MG/KG	U
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Pentachlorophenol	7	MG/KG	U
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Phenanthrene	1.4	MG/KG	U
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Phenol	1.4	MG/KG	U
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Pyrene	1.4	MG/KG	U
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Pyridine	1.4	MG/KG	U
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Trichlorobenzene [1,2,4-]	1.4	MG/KG	U
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Trichlorophenol[2,4,5-]	7	MG/KG	U
16-018	16-2761	0816-96-0072	0	6	IN	SED	SEMI	Trichlorophenol[2,4,6-]	1.4	MG/KG	U
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Acenaphthene	1.5	MG/KG	U
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Acenaphthylene	1.5	MG/KG	U
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Aniline	1.5	MG/KG	U
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Anthracene	1.5	MG/KG	U
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Azobenzene	1.5	MG/KG	U
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Benzo(a)anthracene	1.5	MG/KG	U
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Benzo(a)pyrene	1.5	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Benzo(b)fluoranthene	1.5	MG/KG	U
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Benzo(g,h,i)perylene	1.5	MG/KG	U
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Benzo(k)fluoranthene	1.5	MG/KG	U
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Benzoic Acid	15	MG/KG	U
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Benzyl Alcohol	6.1	MG/KG	U
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Bis(2-chloroethoxy) methane	1.5	MG/KG	U
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Bis(2-chloroethyl)ether	1.5	MG/KG	U
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Bis(2-ethylhexyl) phthalate	1.5	MG/KG	U
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Bromophenyl-phenylether[4-]	1.5	MG/KG	U
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Butylbenzylphthalate	1.5	MG/KG	U
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Carbazole	1.5	MG/KG	U
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Chloro-3-methylphenol[4-]	3.1	MG/KG	U
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Chloroaniline[4-]	6.1	MG/KG	U
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Chloronaphthalene[2-]	1.5	MG/KG	U
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Chlorophenol[2-]	1.5	MG/KG	U
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Chlorophenyl-phenyl[4-] Ether	1.5	MG/KG	U
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Chrysene	1.5	MG/KG	U
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Dibenz(a,h)anthracene	1.5	MG/KG	U
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Dibenzofuran	1.5	MG/KG	U
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Dichlorobenzene[1,2-]	1.5	MG/KG	U
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Dichlorobenzene[1,3-]	1.5	MG/KG	U
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Dichlorobenzene[1,4-]	1.5	MG/KG	U
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Dichlorobenzidine[3,3'-]	3.1	MG/KG	U
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Dichlorophenol[2,4-]	1.5	MG/KG	U
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Diethylphthalate	1.5	MG/KG	U
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Dimethyl Phthalate	1.5	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Dimethylphenol[2,4-]	1.5	MG/KG	U
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Di-n-butylphthalate	2.3	MG/KG	none
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Dinitro-2-methylphenol[4,6-]	7.6	MG/KG	U
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Dinitrophenol[2,4-]	7.6	MG/KG	U
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Dinitrotoluene[2,4-]	1.5	MG/KG	U
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Dinitrotoluene[2,6-]	1.5	MG/KG	U
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Di-n-octylphthalate	1.5	MG/KG	U
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Fluoranthene	1.5	MG/KG	U
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Fluorene	1.5	MG/KG	U
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Hexachlorobenzene	1.5	MG/KG	U
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Hexachlorobutadiene	1.5	MG/KG	U
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Hexachlorocyclopentadiene	1.5	MG/KG	U
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Hexachloroethane	1.5	MG/KG	U
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Indeno(1,2,3-cd)pyrene	1.5	MG/KG	U
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Isophorone	1.5	MG/KG	U
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Methylnaphthalene[2-]	1.5	MG/KG	U
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Methylphenol[2-]	1.5	MG/KG	U
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Methylphenol[4-]	1.5	MG/KG	U
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Naphthalene	1.5	MG/KG	U
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Nitroaniline[2-]	7.6	MG/KG	U
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Nitroaniline[3-]	7.6	MG/KG	U
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Nitroaniline[4-]	2.8	MG/KG	U
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Nitrobenzene	1.5	MG/KG	U
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Nitrophenol[2-]	1.5	MG/KG	U
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Nitrophenol[4-]	7.6	MG/KG	U
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Nitrosodimethylamine[N-]	1.5	MG/KG	U
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Nitroso-di-n-propylamine[N-]	1.5	MG/KG	U
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Nitrosodiphenylamine[N-]	1.5	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Oxybis (1-chloropropane)[2,2'-]	1.5	MG/KG	U
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Pentachlorophenol	7.6	MG/KG	U
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Phenanthrene	1.5	MG/KG	U
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Phenol	1.5	MG/KG	U
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Pyrene	1.5	MG/KG	U
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Pyridine	1.5	MG/KG	U
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Trichlorobenzene [1,2,4-]	1.5	MG/KG	U
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Trichlorophenol[2,4,5-]	7.6	MG/KG	U
16-018	16-2762	0816-96-0073	0	6	IN	SED	SEMI	Trichlorophenol[2,4,6-]	1.5	MG/KG	U
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Acenaphthene	0.82	MG/KG	U
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Acenaphthylene	0.82	MG/KG	U
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Aniline	0.82	MG/KG	U
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Anthracene	0.82	MG/KG	U
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Azobenzene	0.82	MG/KG	U
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Benzo(a)anthracene	0.82	MG/KG	U
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Benzo(a)pyrene	0.82	MG/KG	U
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Benzo(b)fluoranthene	0.82	MG/KG	U
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Benzo(g,h,i)perylene	0.82	MG/KG	U
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Benzo(k)fluoranthene	0.82	MG/KG	U
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Benzoic Acid	8.2	MG/KG	U
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Benzyl Alcohol	3.3	MG/KG	U
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Bis(2-chloroethoxy) methane	0.82	MG/KG	U
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Bis(2-chloroethyl)ether	0.82	MG/KG	U
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Bis(2-ethylhexyl) phthalate	0.82	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Bromophenyl-phenylether[4-]	0.82	MG/KG	U
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Butylbenzylphthalate	0.82	MG/KG	U
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Carbazole	0.82	MG/KG	U
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Chloro-3-methylphenol[4-]	1.6	MG/KG	U
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Chloroaniline[4-]	3.3	MG/KG	U
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Chloronaphthalene[2-]	0.82	MG/KG	U
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Chlorophenol[2-]	0.82	MG/KG	U
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Chlorophenyl-phenyl[4-] Ether	0.82	MG/KG	U
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Chrysene	0.82	MG/KG	U
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Dibenz(a,h)anthracene	0.82	MG/KG	U
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Dibenzofuran	0.82	MG/KG	U
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Dichlorobenzene[1,2-]	0.82	MG/KG	U
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Dichlorobenzene[1,3-]	0.82	MG/KG	U
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Dichlorobenzene[1,4-]	0.82	MG/KG	U
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Dichlorobenzidine[3,3'-]	1.6	MG/KG	U
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Dichlorophenol[2,4-]	0.82	MG/KG	U
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Diethylphthalate	0.82	MG/KG	U
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Dimethyl Phthalate	0.82	MG/KG	U
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Dimethylphenol[2,4-]	0.82	MG/KG	U
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Di-n-butylphthalate	0.96	MG/KG	none
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Dinitro-2-methylphenol[4,6-]	4.1	MG/KG	U
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Dinitrophenol[2,4-]	4.1	MG/KG	U
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Dinitrotoluene[2,4-]	0.82	MG/KG	U
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Dinitrotoluene[2,6-]	0.82	MG/KG	U
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Di-n-octylphthalate	0.82	MG/KG	U
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Fluoranthene	0.82	MG/KG	U
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Fluorene	0.82	MG/KG	U
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Hexachlorobenzene	0.82	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Hexachlorobutadiene	0.82	MG/KG	U
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Hexachlorocyclopentadiene	0.82	MG/KG	U
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Hexachloroethane	0.82	MG/KG	U
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Indeno(1,2,3-cd)pyrene	0.82	MG/KG	U
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Isophorone	0.82	MG/KG	U
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Methylnaphthalene[2-]	0.82	MG/KG	U
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Methylphenol[2-]	0.82	MG/KG	U
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Methylphenol[4-]	0.82	MG/KG	U
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Naphthalene	0.82	MG/KG	U
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Nitroaniline[2-]	4.1	MG/KG	U
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Nitroaniline[3-]	4.1	MG/KG	U
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Nitroaniline[4-]	1.5	MG/KG	U
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Nitrobenzene	0.82	MG/KG	U
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Nitrophenol[2-]	0.82	MG/KG	U
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Nitrophenol[4-]	4.1	MG/KG	U
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Nitrosodimethylamine[N-]	0.82	MG/KG	U
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Nitroso-di-n-propylamine[N-]	0.82	MG/KG	U
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Nitrosodiphenylamine[N-]	0.82	MG/KG	U
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Oxybis (1-chloropropane)[2,2'-]	0.82	MG/KG	U
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Pentachlorophenol	4.1	MG/KG	U
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Phenanthrene	0.82	MG/KG	U
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Phenol	0.82	MG/KG	U
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Pyrene	0.82	MG/KG	U
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Pyridine	0.82	MG/KG	U
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Trichlorobenzene [1,2,4-]	0.82	MG/KG	U
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Trichlorophenol[2,4,5-]	4.1	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2763	0816-96-0074	0	6	IN	SED	SEMI	Trichlorophenol[2,4,6-]	0.82	MG/KG	U
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Acenaphthene	0.97	MG/KG	U
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Acenaphthylene	0.97	MG/KG	U
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Aniline	0.97	MG/KG	U
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Anthracene	0.97	MG/KG	U
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Azobenzene	0.97	MG/KG	U
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Benzo(a)anthracene	0.97	MG/KG	U
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Benzo(a)pyrene	0.97	MG/KG	U
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Benzo(b)fluoranthene	0.97	MG/KG	U
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Benzo(g,h,i)perylene	0.97	MG/KG	U
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Benzo(k)fluoranthene	0.97	MG/KG	U
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Benzoic Acid	9.7	MG/KG	U
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Benzyl Alcohol	3.9	MG/KG	U
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Bis(2-chloroethoxy) methane	0.97	MG/KG	U
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Bis(2-chloroethyl)ether	0.97	MG/KG	U
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Bis(2-ethylhexyl) phthalate	0.97	MG/KG	U
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Bromophenyl-phenylether[4-]	0.97	MG/KG	U
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Butylbenzylphthalate	0.97	MG/KG	U
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Carbazole	0.97	MG/KG	U
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Chloro-3-methylphenol[4-]	1.9	MG/KG	U
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Chloroaniline[4-]	3.9	MG/KG	U
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Chloronaphthalene[2-]	0.97	MG/KG	U
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Chlorophenol[2-]	0.97	MG/KG	U
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Chlorophenyl-phenyl[4-] Ether	0.97	MG/KG	U
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Chrysene	0.97	MG/KG	U
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Dibenz(a,h)anthracene	0.97	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Dibenzofuran	0.97	MG/KG	U
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Dichlorobenzene[1,2-]	0.97	MG/KG	U
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Dichlorobenzene[1,3-]	0.97	MG/KG	U
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Dichlorobenzene[1,4-]	0.97	MG/KG	U
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Dichlorobenzidine[3,3'-]	1.9	MG/KG	U
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Dichlorophenol[2,4-]	0.97	MG/KG	U
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Diethylphthalate	0.97	MG/KG	U
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Dimethyl Phthalate	0.97	MG/KG	U
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Dimethylphenol[2,4-]	0.97	MG/KG	U
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Di-n-butylphthalate	2.8	MG/KG	none
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Dinitro-2-methylphenol[4,6-]	4.8	MG/KG	U
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Dinitrophenol[2,4-]	4.8	MG/KG	U
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Dinitrotoluene[2,4-]	0.97	MG/KG	U
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Dinitrotoluene[2,6-]	0.97	MG/KG	U
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Di-n-octylphthalate	0.97	MG/KG	U
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Fluoranthene	0.97	MG/KG	U
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Fluorene	0.97	MG/KG	U
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Hexachlorobenzene	0.97	MG/KG	U
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Hexachlorobutadiene	0.97	MG/KG	U
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Hexachlorocyclopentadiene	0.97	MG/KG	U
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Hexachloroethane	0.97	MG/KG	U
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Indeno(1,2,3-cd)pyrene	0.97	MG/KG	U
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Isophorone	0.97	MG/KG	U
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Methylnaphthalene[2-]	0.97	MG/KG	U
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Methylphenol[2-]	0.97	MG/KG	U
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Methylphenol[4-]	0.97	MG/KG	U
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Naphthalene	0.97	MG/KG	U
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Nitroaniline[2-]	4.8	MG/KG	U
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Nitroaniline[3-]	4.8	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Nitroaniline[4-]	1.8	MG/KG	U
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Nitrobenzene	0.97	MG/KG	U
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Nitrophenol[2-]	0.97	MG/KG	U
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Nitrophenol[4-]	4.8	MG/KG	U
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Nitrosodimethylamine[N-]	0.97	MG/KG	U
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Nitroso-di-n-propylamine[N-]	0.97	MG/KG	U
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Nitrosodiphenylamine[N-]	0.97	MG/KG	U
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Oxybis (1-chloropropane)[2,2'-]	0.97	MG/KG	U
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Pentachlorophenol	4.8	MG/KG	U
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Phenanthrene	0.97	MG/KG	U
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Phenol	0.97	MG/KG	U
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Pyrene	0.97	MG/KG	U
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Pyridine	0.97	MG/KG	U
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Trichlorobenzene [1,2,4-]	0.97	MG/KG	U
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Trichlorophenol[2,4,5-]	4.8	MG/KG	U
16-018	16-2764	0816-96-0075	0	6	IN	SED	SEMI	Trichlorophenol[2,4,6-]	0.97	MG/KG	U
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Acenaphthene	0.57	MG/KG	U
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Acenaphthylene	0.57	MG/KG	U
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Aniline	0.57	MG/KG	U
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Anthracene	0.57	MG/KG	U
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Azobenzene	0.57	MG/KG	U
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Benzo(a)anthracene	0.57	MG/KG	U
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Benzo(a)pyrene	0.57	MG/KG	U
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Benzo(b)fluoranthene	0.57	MG/KG	U
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Benzo(g,h,i)perylene	0.57	MG/KG	U
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Benzo(k)fluoranthene	0.57	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Benzoic Acid	5.7	MG/KG	U
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Benzyl Alcohol	2.3	MG/KG	U
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Bis(2-chloroethoxy) methane	0.57	MG/KG	U
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Bis(2-chloroethyl)ether	0.57	MG/KG	U
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Bis(2-ethylhexyl) phthalate	0.28	MG/KG	J
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Bromophenyl-phenylether[4-]	0.57	MG/KG	U
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Butylbenzylphthalate	0.57	MG/KG	U
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Carbazole	0.57	MG/KG	U
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Chloro-3-methylphenol[4-]	1.1	MG/KG	U
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Chloroaniline[4-]	2.3	MG/KG	U
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Chloronaphthalene[2-]	0.57	MG/KG	U
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Chlorophenol[2-]	0.57	MG/KG	U
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Chlorophenyl-phenyl[4-] Ether	0.57	MG/KG	U
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Chrysene	0.57	MG/KG	U
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Dibenz(a,h)anthracene	0.57	MG/KG	U
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Dibenzofuran	0.57	MG/KG	U
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Dichlorobenzene[1,2-]	0.57	MG/KG	U
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Dichlorobenzene[1,3-]	0.57	MG/KG	U
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Dichlorobenzene[1,4-]	0.57	MG/KG	U
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Dichlorobenzidine[3,3'-]	1.1	MG/KG	U
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Dichlorophenol[2,4-]	0.57	MG/KG	U
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Diethylphthalate	0.57	MG/KG	U
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Dimethyl Phthalate	0.57	MG/KG	U
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Dimethylphenol[2,4-]	0.57	MG/KG	U
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Di-n-butylphthalate	2.4	MG/KG	none
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Dinitro-2-methylphenol[4,6-]	2.8	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Dinitrophenol[2,4-]	2.8	MG/KG	U
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Dinitrotoluene[2,4-]	0.57	MG/KG	U
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Dinitrotoluene[2,6-]	0.57	MG/KG	U
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Di-n-octylphthalate	0.57	MG/KG	U
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Fluoranthene	0.57	MG/KG	U
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Fluorene	0.57	MG/KG	U
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Hexachlorobenzene	0.57	MG/KG	U
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Hexachlorobutadiene	0.57	MG/KG	U
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Hexachlorocyclopentadiene	0.57	MG/KG	U
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Hexachloroethane	0.57	MG/KG	U
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Indeno(1,2,3-cd)pyrene	0.57	MG/KG	U
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Isophorone	0.57	MG/KG	U
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Methylnaphthalene[2-]	0.57	MG/KG	U
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Methylphenol[2-]	0.57	MG/KG	U
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Methylphenol[4-]	0.57	MG/KG	U
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Naphthalene	0.57	MG/KG	U
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Nitroaniline[2-]	2.8	MG/KG	U
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Nitroaniline[3-]	2.8	MG/KG	U
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Nitroaniline[4-]	1	MG/KG	U
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Nitrobenzene	0.57	MG/KG	U
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Nitrophenol[2-]	0.57	MG/KG	U
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Nitrophenol[4-]	2.8	MG/KG	U
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Nitrosodimethylamine[N-]	0.57	MG/KG	U
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Nitroso-di-n-propylamine[N-]	0.57	MG/KG	U
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Nitrosodiphenylamine[N-]	0.57	MG/KG	U
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Oxybis (1-chloropropane)[2,2'-]	0.57	MG/KG	U
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Pentachlorophenol	2.8	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Phenanthrene	0.57	MG/KG	U
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Phenol	0.57	MG/KG	U
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Pyrene	0.57	MG/KG	U
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Pyridine	0.57	MG/KG	U
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Trichlorobenzene [1,2,4-]	0.57	MG/KG	U
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Trichlorophenol[2,4,5-]	2.8	MG/KG	U
16-018	16-2765	0816-96-0076	0	6	IN	SED	SEMI	Trichlorophenol[2,4,6-]	0.57	MG/KG	U
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Acenaphthene	1.2	MG/KG	U
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Acenaphthylene	1.2	MG/KG	U
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Aniline	1.2	MG/KG	U
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Anthracene	1.2	MG/KG	U
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Azobenzene	1.2	MG/KG	U
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Benzo(a)anthracene	1.2	MG/KG	U
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Benzo(a)pyrene	1.2	MG/KG	U
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Benzo(b)fluoranthene	1.2	MG/KG	U
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Benzo(g,h,i)perylene	1.2	MG/KG	U
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Benzo(k)fluoranthene	1.2	MG/KG	U
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Benzoic Acid	12	MG/KG	U
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Benzyl Alcohol	4.7	MG/KG	U
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Bis(2-chloroethoxy) methane	1.2	MG/KG	U
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Bis(2-chloroethyl)ether	1.2	MG/KG	U
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Bis(2-ethylhexyl) phthalate	0.26	MG/KG	J
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Bromophenyl-phenylether[4-]	1.2	MG/KG	U
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Butylbenzylphthalate	1.2	MG/KG	U
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Carbazole	1.2	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Chloro-3-methylphenol[4-]	2.4	MG/KG	U
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Chloroaniline[4-]	4.7	MG/KG	U
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Chloronaphthalene[2-]	1.2	MG/KG	U
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Chlorophenol[2-]	1.2	MG/KG	U
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Chlorophenyl-phenyl[4-] Ether	1.2	MG/KG	U
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Chrysene	1.2	MG/KG	U
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Dibenz(a,h)anthracene	1.2	MG/KG	U
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Dibenzofuran	1.2	MG/KG	U
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Dichlorobenzene[1,2-]	1.2	MG/KG	U
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Dichlorobenzene[1,3-]	1.2	MG/KG	U
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Dichlorobenzene[1,4-]	1.2	MG/KG	U
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Dichlorobenzidine[3,3'-]	2.4	MG/KG	U
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Dichlorophenol[2,4-]	1.2	MG/KG	U
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Diethylphthalate	1.2	MG/KG	U
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Dimethyl Phthalate	1.2	MG/KG	U
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Dimethylphenol[2,4-]	1.2	MG/KG	U
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Di-n-butylphthalate	5.5	MG/KG	none
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Dinitro-2-methylphenol[4,6-]	5.9	MG/KG	U
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Dinitrophenol[2,4-]	5.9	MG/KG	U
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Dinitrotoluene[2,4-]	1.2	MG/KG	U
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Dinitrotoluene[2,6-]	1.2	MG/KG	U
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Di-n-octylphthalate	1.2	MG/KG	U
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Fluoranthene	1.2	MG/KG	U
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Fluorene	1.2	MG/KG	U
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Hexachlorobenzene	1.2	MG/KG	U
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Hexachlorobutadiene	1.2	MG/KG	U
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Hexachlorocyclopentadiene	1.2	MG/KG	U
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Hexachloroethane	1.2	MG/KG	U
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Indeno(1,2,3-cd)pyrene	1.2	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Isophorone	1.2	MG/KG	U
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Methylnaphthalene[2-]	1.2	MG/KG	U
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Methylphenol[2-]	1.2	MG/KG	U
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Methylphenol[4-]	1.2	MG/KG	U
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Naphthalene	1.2	MG/KG	U
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Nitroaniline[2-]	5.9	MG/KG	U
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Nitroaniline[3-]	5.9	MG/KG	U
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Nitroaniline[4-]	2.1	MG/KG	U
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Nitrobenzene	1.2	MG/KG	U
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Nitrophenol[2-]	1.2	MG/KG	U
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Nitrophenol[4-]	5.9	MG/KG	U
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Nitrosodimethylamine[N-]	1.2	MG/KG	U
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Nitroso-di-n-propylamine[N-]	1.2	MG/KG	U
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Nitrosodiphenylamine[N-]	1.2	MG/KG	U
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Oxybis (1-chloropropane)[2,2'-]	1.2	MG/KG	U
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Pentachlorophenol	5.9	MG/KG	U
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Phenanthrene	1.2	MG/KG	U
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Phenol	1.2	MG/KG	U
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Pyrene	1.2	MG/KG	U
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Pyridine	1.2	MG/KG	U
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Trichlorobenzene [1,2,4-]	1.2	MG/KG	U
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Trichlorophenol[2,4,5-]	5.9	MG/KG	U
16-018	16-2766	0816-96-0077	0	6	IN	SED	SEMI	Trichlorophenol[2,4,6-]	1.2	MG/KG	U
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Acenaphthene	1.4	MG/KG	U
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Acenaphthylene	1.4	MG/KG	U
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Aniline	1.4	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Anthracene	1.4	MG/KG	U
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Azobenzene	1.4	MG/KG	U
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Benzo(a)anthracene	1.4	MG/KG	U
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Benzo(a)pyrene	1.4	MG/KG	U
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Benzo(b)fluoranthene	1.4	MG/KG	U
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Benzo(g,h,i)perylene	1.4	MG/KG	U
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Benzo(k)fluoranthene	1.4	MG/KG	U
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Benzoic Acid	0.31	MG/KG	J
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Benzyl Alcohol	5.5	MG/KG	U
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Bis(2-chloroethoxy) methane	1.4	MG/KG	U
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Bis(2-chloroethyl)ether	1.4	MG/KG	U
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Bis(2-ethylhexyl) phthalate	1.4	MG/KG	U
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Bromophenyl-phenylether[4-]	1.4	MG/KG	U
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Butylbenzylphthalate	1.4	MG/KG	U
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Carbazole	1.4	MG/KG	U
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Chloro-3-methylphenol[4-]	2.8	MG/KG	U
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Chloroaniline[4-]	5.5	MG/KG	U
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Chloronaphthalene[2-]	1.4	MG/KG	U
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Chlorophenol[2-]	1.4	MG/KG	U
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Chlorophenyl-phenyl[4-] Ether	1.4	MG/KG	U
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Chrysene	1.4	MG/KG	U
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Dibenz(a,h)anthracene	1.4	MG/KG	U
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Dibenzofuran	1.4	MG/KG	U
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Dichlorobenzene[1,2-]	1.4	MG/KG	U
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Dichlorobenzene[1,3-]	1.4	MG/KG	U
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Dichlorobenzene[1,4-]	1.4	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Dichlorobenzidine[3,3'-]	2.8	MG/KG	U
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Dichlorophenol[2,4-]	1.4	MG/KG	U
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Diethylphthalate	1.4	MG/KG	U
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Dimethyl Phthalate	1.4	MG/KG	U
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Dimethylphenol[2,4-]	1.4	MG/KG	U
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Di-n-butylphthalate	4.4	MG/KG	none
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Dinitro-2-methylphenol[4,6-]	6.9	MG/KG	U
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Dinitrophenol[2,4-]	6.9	MG/KG	U
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Dinitrotoluene[2,4-]	1.4	MG/KG	U
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Dinitrotoluene[2,6-]	1.4	MG/KG	U
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Di-n-octylphthalate	1.4	MG/KG	U
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Fluoranthene	1.4	MG/KG	U
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Fluorene	1.4	MG/KG	U
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Hexachlorobenzene	1.4	MG/KG	U
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Hexachlorobutadiene	1.4	MG/KG	U
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Hexachlorocyclopentadiene	1.4	MG/KG	U
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Hexachloroethane	1.4	MG/KG	U
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Indeno(1,2,3-cd)pyrene	1.4	MG/KG	U
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Isophorone	1.4	MG/KG	U
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Methylnaphthalene[2-]	1.4	MG/KG	U
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Methylphenol[2-]	1.4	MG/KG	U
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Methylphenol[4-]	1.4	MG/KG	U
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Naphthalene	1.4	MG/KG	U
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Nitroaniline[2-]	6.9	MG/KG	U
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Nitroaniline[3-]	6.9	MG/KG	U
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Nitroaniline[4-]	2.5	MG/KG	U
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Nitrobenzene	1.4	MG/KG	U
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Nitrophenol[2-]	1.4	MG/KG	U
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Nitrophenol[4-]	6.9	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Nitrosodimethylamine[N-]	1.4	MG/KG	U
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Nitroso-di-n-propylamine[N-]	1.4	MG/KG	U
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Nitrosodiphenylamine[N-]	1.4	MG/KG	U
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Oxybis (1-chloropropane)[2,2'-]	1.4	MG/KG	U
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Pentachlorophenol	6.9	MG/KG	U
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Phenanthrene	1.4	MG/KG	U
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Phenol	1.4	MG/KG	U
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Pyrene	1.4	MG/KG	U
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Pyridine	1.4	MG/KG	U
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Trichlorobenzene [1,2,4-]	1.4	MG/KG	U
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Trichlorophenol[2,4,5-]	6.9	MG/KG	U
16-018	16-2767	0816-96-0078	0	6	IN	SED	SEMI	Trichlorophenol[2,4,6-]	1.4	MG/KG	U
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Acenaphthene	1.4	MG/KG	U
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Acenaphthylene	1.4	MG/KG	U
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Aniline	1.4	MG/KG	U
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Anthracene	1.4	MG/KG	U
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Azobenzene	1.4	MG/KG	U
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Benzo(a)anthracene	1.4	MG/KG	U
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Benzo(a)pyrene	1.4	MG/KG	U
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Benzo(b)fluoranthene	1.4	MG/KG	U
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Benzo(g,h,i)perylene	1.4	MG/KG	U
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Benzo(k)fluoranthene	1.4	MG/KG	U
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Benzoic Acid	14	MG/KG	U
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Benzyl Alcohol	5.6	MG/KG	U
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Bis(2-chloroethoxy)methane	1.4	MG/KG	U
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Bis(2-chloroethyl)ether	1.4	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Bis(2-ethylhexyl) phthalate	0.52	MG/KG	J
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Bromophenyl-phenylether[4-]	1.4	MG/KG	U
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Butylbenzylphthalate	1.4	MG/KG	U
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Carbazole	1.4	MG/KG	U
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Chloro-3-methylphenol[4-]	2.8	MG/KG	U
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Chloroaniline[4-]	5.6	MG/KG	U
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Chloronaphthalene[2-]	1.4	MG/KG	U
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Chlorophenol[2-]	1.4	MG/KG	U
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Chlorophenyl-phenyl[4-] Ether	1.4	MG/KG	U
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Chrysene	1.4	MG/KG	U
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Dibenz(a,h)anthracene	1.4	MG/KG	U
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Dibenzofuran	1.4	MG/KG	U
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Dichlorobenzene[1,2-]	1.4	MG/KG	U
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Dichlorobenzene[1,3-]	1.4	MG/KG	U
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Dichlorobenzene[1,4-]	1.4	MG/KG	U
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Dichlorobenzidine[3,3'-]	2.8	MG/KG	U
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Dichlorophenol[2,4-]	1.4	MG/KG	U
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Diethylphthalate	1.4	MG/KG	U
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Dimethyl Phthalate	1.4	MG/KG	U
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Dimethylphenol[2,4-]	1.4	MG/KG	U
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Di-n-butylphthalate	4.3	MG/KG	none
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Dinitro-2-methylphenol[4,6-]	6.9	MG/KG	U
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Dinitrophenol[2,4-]	6.9	MG/KG	U
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Dinitrotoluene[2,4-]	1.4	MG/KG	U
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Dinitrotoluene[2,6-]	1.4	MG/KG	U
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Di-n-octylphthalate	1.4	MG/KG	U
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Fluoranthene	1.4	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Fluorene	1.4	MG/KG	U
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Hexachlorobenzene	1.4	MG/KG	U
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Hexachlorobutadiene	1.4	MG/KG	U
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Hexachlorocyclopentadiene	1.4	MG/KG	U
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Hexachloroethane	1.4	MG/KG	U
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Indeno(1,2,3-cd)pyrene	1.4	MG/KG	U
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Isophorone	1.4	MG/KG	U
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Methylnaphthalene[2-]	1.4	MG/KG	U
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Methylphenol[2-]	1.4	MG/KG	U
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Methylphenol[4-]	1.4	MG/KG	U
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Naphthalene	1.4	MG/KG	U
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Nitroaniline[2-]	6.9	MG/KG	U
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Nitroaniline[3-]	6.9	MG/KG	U
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Nitroaniline[4-]	2.5	MG/KG	U
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Nitrobenzene	1.4	MG/KG	U
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Nitrophenol[2-]	1.4	MG/KG	U
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Nitrophenol[4-]	6.9	MG/KG	U
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Nitrosodimethylamine[N-]	1.4	MG/KG	U
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Nitroso-di-n-propylamine[N-]	1.4	MG/KG	U
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Nitrosodiphenylamine[N-]	1.4	MG/KG	U
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Oxybis (1-chloropropane)[2,2'-]	1.4	MG/KG	U
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Pentachlorophenol	6.9	MG/KG	U
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Phenanthrene	1.4	MG/KG	U
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Phenol	1.4	MG/KG	U
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Pyrene	1.4	MG/KG	U
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Pyridine	1.4	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Trichlorobenzene [1,2,4-]	1.4	MG/KG	U
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Trichlorophenol[2,4,5-]	6.9	MG/KG	U
16-018	16-2767	0816-96-0079	0	6	IN	SED	SEMI	Trichlorophenol[2,4,6-]	1.4	MG/KG	U
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Acenaphthene	0.88	MG/KG	U
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Acenaphthylene	0.88	MG/KG	U
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Aniline	0.88	MG/KG	U
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Anthracene	0.88	MG/KG	U
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Azobenzene	0.88	MG/KG	U
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Benzo(a)anthracene	0.88	MG/KG	U
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Benzo(a)pyrene	0.88	MG/KG	U
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Benzo(b)fluoranthene	0.88	MG/KG	U
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Benzo(g,h,i)perylene	0.88	MG/KG	U
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Benzo(k)fluoranthene	0.88	MG/KG	U
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Benzoic Acid	8.8	MG/KG	U
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Benzyl Alcohol	3.5	MG/KG	U
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Bis(2-chloroethoxy) methane	0.88	MG/KG	U
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Bis(2-chloroethyl)ether	0.88	MG/KG	U
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Bis(2-ethylhexyl) phthalate	0.88	MG/KG	U
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Bromophenyl-phenylether[4-]	0.88	MG/KG	U
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Butylbenzylphthalate	0.88	MG/KG	U
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Carbazole	0.88	MG/KG	U
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Chloro-3-methylphenol[4-]	1.8	MG/KG	U
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Chloroaniline[4-]	3.5	MG/KG	U
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Chloronaphthalene[2-]	0.88	MG/KG	U
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Chlorophenol[2-]	0.88	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Chlorophenyl-phenyl[4-] Ether	0.88	MG/KG	U
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Chrysene	0.88	MG/KG	U
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Dibenz(a,h)anthracene	0.88	MG/KG	U
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Dibenzofuran	0.88	MG/KG	U
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Dichlorobenzene[1,2-]	0.88	MG/KG	U
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Dichlorobenzene[1,3-]	0.88	MG/KG	U
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Dichlorobenzene[1,4-]	0.88	MG/KG	U
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Dichlorobenzidine[3,3'-]	1.8	MG/KG	U
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Dichlorophenol[2,4-]	0.88	MG/KG	U
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Diethylphthalate	0.88	MG/KG	U
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Dimethyl Phthalate	0.88	MG/KG	U
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Dimethylphenol[2,4-]	0.88	MG/KG	U
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Di-n-butylphthalate	1.8	MG/KG	none
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Dinitro-2-methylphenol[4,6-]	4.4	MG/KG	U
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Dinitrophenol[2,4-]	4.4	MG/KG	U
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Dinitrotoluene[2,4-]	0.88	MG/KG	U
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Dinitrotoluene[2,6-]	0.88	MG/KG	U
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Di-n-octylphthalate	0.88	MG/KG	U
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Fluoranthene	0.88	MG/KG	U
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Fluorene	0.88	MG/KG	U
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Hexachlorobenzene	0.88	MG/KG	U
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Hexachlorobutadiene	0.88	MG/KG	U
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Hexachlorocyclopentadiene	0.88	MG/KG	U
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Hexachloroethane	0.88	MG/KG	U
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Indeno(1,2,3-cd)pyrene	0.88	MG/KG	U
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Isophorone	0.88	MG/KG	U
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Methylnaphthalene[2-]	0.88	MG/KG	U
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Methylphenol[2-]	0.88	MG/KG	U
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Methylphenol[4-]	0.88	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Naphthalene	0.88	MG/KG	U
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Nitroaniline[2-]	4.4	MG/KG	U
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Nitroaniline[3-]	4.4	MG/KG	U
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Nitroaniline[4-]	1.6	MG/KG	U
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Nitrobenzene	0.88	MG/KG	U
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Nitrophenol[2-]	0.88	MG/KG	U
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Nitrophenol[4-]	4.4	MG/KG	U
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Nitrosodimethylamine[N-]	0.88	MG/KG	U
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Nitroso-di-n-propylamine[N-]	0.88	MG/KG	U
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Nitrosodiphenylamine[N-]	0.88	MG/KG	U
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Oxybis (1-chloropropane)[2,2'-]	0.88	MG/KG	U
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Pentachlorophenol	4.4	MG/KG	U
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Phenanthrene	0.88	MG/KG	U
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Phenol	0.88	MG/KG	U
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Pyrene	0.88	MG/KG	U
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Pyridine	0.88	MG/KG	U
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Trichlorobenzene [1,2,4-]	0.88	MG/KG	U
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Trichlorophenol[2,4,5-]	4.4	MG/KG	U
16-018	16-2768	0816-96-0080	0	6	IN	SED	SEMI	Trichlorophenol[2,4,6-]	0.88	MG/KG	U
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Acenaphthene	0.83	MG/KG	U
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Acenaphthylene	0.83	MG/KG	U
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Aniline	0.83	MG/KG	U
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Anthracene	0.83	MG/KG	U
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Azobenzene	0.83	MG/KG	U
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Benzo(a)anthracene	0.83	MG/KG	U
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Benzo(a)pyrene	0.83	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Benzo(b)fluoranthene	0.83	MG/KG	U
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Benzo(g,h,i)perylene	0.83	MG/KG	U
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Benzo(k)fluoranthene	0.83	MG/KG	U
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Benzoic Acid	8.3	MG/KG	U
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Benzyl Alcohol	3.3	MG/KG	U
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Bis(2-chloroethoxy) methane	0.83	MG/KG	U
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Bis(2-chloroethyl)ether	0.83	MG/KG	U
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Bis(2-ethylhexyl) phthalate	0.83	MG/KG	U
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Bromophenyl-phenylether[4-]	0.83	MG/KG	U
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Butylbenzylphthalate	0.83	MG/KG	U
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Carbazole	0.83	MG/KG	U
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Chloro-3-methylphenol[4-]	1.7	MG/KG	U
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Chloroaniline[4-]	3.3	MG/KG	U
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Chloronaphthalene[2-]	0.83	MG/KG	U
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Chlorophenol[2-]	0.83	MG/KG	U
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Chlorophenyl-phenyl[4-] Ether	0.83	MG/KG	U
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Chrysene	0.83	MG/KG	U
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Dibenz(a,h)anthracene	0.83	MG/KG	U
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Dibenzofuran	0.83	MG/KG	U
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Dichlorobenzene[1,2-]	0.83	MG/KG	U
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Dichlorobenzene[1,3-]	0.83	MG/KG	U
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Dichlorobenzene[1,4-]	0.83	MG/KG	U
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Dichlorobenzidine[3,3'-]	1.7	MG/KG	U
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Dichlorophenol[2,4-]	0.83	MG/KG	U
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Diethylphthalate	0.46	MG/KG	J
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Dimethyl Phthalate	0.83	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Dimethylphenol[2,4-]	0.83	MG/KG	U
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Di-n-butylphthalate	1.2	MG/KG	none
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Dinitro-2-methylphenol[4,6-]	4.1	MG/KG	U
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Dinitrophenol[2,4-]	4.1	MG/KG	U
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Dinitrotoluene[2,4-]	0.83	MG/KG	U
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Dinitrotoluene[2,6-]	0.83	MG/KG	U
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Di-n-octylphthalate	0.83	MG/KG	U
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Fluoranthene	0.83	MG/KG	U
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Fluorene	0.83	MG/KG	U
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Hexachlorobenzene	0.83	MG/KG	U
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Hexachlorobutadiene	0.83	MG/KG	U
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Hexachlorocyclopentadiene	0.83	MG/KG	U
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Hexachloroethane	0.83	MG/KG	U
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Indeno(1,2,3-cd)pyrene	0.83	MG/KG	U
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Isophorone	0.83	MG/KG	U
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Methylnaphthalene[2-]	0.83	MG/KG	U
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Methylphenol[2-]	0.83	MG/KG	U
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Methylphenol[4-]	0.83	MG/KG	U
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Naphthalene	0.83	MG/KG	U
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Nitroaniline[2-]	4.1	MG/KG	U
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Nitroaniline[3-]	4.1	MG/KG	U
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Nitroaniline[4-]	1.5	MG/KG	U
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Nitrobenzene	0.83	MG/KG	U
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Nitrophenol[2-]	0.83	MG/KG	U
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Nitrophenol[4-]	4.1	MG/KG	U
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Nitrosodimethylamine[N-]	0.83	MG/KG	U
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Nitroso-di-n-propylamine[N-]	0.83	MG/KG	U
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Nitrosodiphenylamine[N-]	0.83	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Oxybis (1-chloropropane)[2,2'-]	0.83	MG/KG	U
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Pentachlorophenol	4.1	MG/KG	U
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Phenanthrene	0.83	MG/KG	U
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Phenol	0.83	MG/KG	U
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Pyrene	0.83	MG/KG	U
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Pyridine	0.83	MG/KG	U
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Trichlorobenzene [1,2,4-]	0.83	MG/KG	U
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Trichlorophenol[2,4,5-]	4.1	MG/KG	U
16-018	16-2769	0816-96-0081	0	6	IN	SED	SEMI	Trichlorophenol[2,4,6-]	0.83	MG/KG	U
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Acenaphthene	0.78	MG/KG	U
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Acenaphthylene	0.78	MG/KG	U
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Aniline	0.78	MG/KG	U
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Anthracene	0.78	MG/KG	U
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Azobenzene	0.78	MG/KG	U
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Benzo(a)anthracene	0.78	MG/KG	U
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Benzo(a)pyrene	0.78	MG/KG	U
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Benzo(b)fluoranthene	0.78	MG/KG	U
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Benzo(g,h,i)perylene	0.78	MG/KG	U
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Benzo(k)fluoranthene	0.78	MG/KG	U
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Benzoic Acid	7.8	MG/KG	U
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Benzyl Alcohol	3.1	MG/KG	U
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Bis(2-chloroethoxy)methane	0.78	MG/KG	U
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Bis(2-chloroethyl)ether	0.78	MG/KG	U
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Bis(2-ethylhexyl) phthalate	0.78	MG/KG	U
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Bromophenyl-phenylether[4-]	0.78	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Butylbenzylphthalate	0.78	MG/KG	U
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Carbazole	0.78	MG/KG	U
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Chloro-3-methylphenol[4-]	1.6	MG/KG	U
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Chloroaniline[4-]	3.1	MG/KG	U
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Chloronaphthalene[2-]	0.78	MG/KG	U
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Chlorophenol[2-]	0.78	MG/KG	U
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Chlorophenyl-phenyl[4-] Ether	0.78	MG/KG	U
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Chrysene	0.78	MG/KG	U
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Dibenz(a,h)anthracene	0.78	MG/KG	U
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Dibenzofuran	0.78	MG/KG	U
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Dichlorobenzene[1,2-]	0.78	MG/KG	U
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Dichlorobenzene[1,3-]	0.78	MG/KG	U
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Dichlorobenzene[1,4-]	0.78	MG/KG	U
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Dichlorobenzidine[3,3'-]	1.6	MG/KG	U
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Dichlorophenol[2,4-]	0.78	MG/KG	U
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Diethylphthalate	0.78	MG/KG	U
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Dimethyl Phthalate	0.78	MG/KG	U
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Dimethylphenol[2,4-]	0.78	MG/KG	U
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Di-n-butylphthalate	1.5	MG/KG	none
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Dinitro-2-methylphenol[4,6-]	3.9	MG/KG	U
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Dinitrophenol[2,4-]	3.9	MG/KG	U
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Dinitrotoluene[2,4-]	0.78	MG/KG	U
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Dinitrotoluene[2,6-]	0.78	MG/KG	U
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Di-n-octylphthalate	0.78	MG/KG	U
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Fluoranthene	0.78	MG/KG	U
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Fluorene	0.78	MG/KG	U
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Hexachlorobenzene	0.78	MG/KG	U
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Hexachlorobutadiene	0.78	MG/KG	U
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Hexachlorocyclopentadiene	0.78	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Hexachloroethane	0.78	MG/KG	U
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Indeno(1,2,3-cd)pyrene	0.78	MG/KG	U
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Isophorone	0.78	MG/KG	U
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Methylnaphthalene[2-]	0.78	MG/KG	U
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Methylphenol[2-]	0.78	MG/KG	U
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Methylphenol[4-]	0.78	MG/KG	U
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Naphthalene	0.78	MG/KG	U
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Nitroaniline[2-]	3.9	MG/KG	U
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Nitroaniline[3-]	3.9	MG/KG	U
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Nitroaniline[4-]	1.4	MG/KG	U
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Nitrobenzene	0.78	MG/KG	U
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Nitrophenol[2-]	0.78	MG/KG	U
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Nitrophenol[4-]	3.9	MG/KG	U
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Nitrosodimethylamine[N-]	0.78	MG/KG	U
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Nitroso-di-n-propylamine[N-]	0.78	MG/KG	U
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Oxybis(1-chloropropane)[2,2'-]	0.78	MG/KG	U
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Pentachlorophenol	3.9	MG/KG	U
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Phenanthrene	0.78	MG/KG	U
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Phenol	0.78	MG/KG	U
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Pyrene	0.78	MG/KG	U
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Pyridine	0.78	MG/KG	U
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Trichlorobenzene [1,2,4-]	0.78	MG/KG	U
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Trichlorophenol[2,4,5-]	3.9	MG/KG	U
16-018	16-2770	0816-96-0082	0	6	IN	SED	SEMI	Trichlorophenol[2,4,6-]	0.78	MG/KG	U
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Acenaphthene	0.82	MG/KG	U
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Acenaphthylene	0.82	MG/KG	U
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Aniline	0.82	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Anthracene	0.82	MG/KG	U
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Azobenzene	0.82	MG/KG	U
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Benzo(a)anthracene	0.82	MG/KG	U
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Benzo(a)pyrene	0.82	MG/KG	U
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Benzo(b)fluoranthene	0.82	MG/KG	U
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Benzo(g,h,i)perylene	0.82	MG/KG	U
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Benzo(k)fluoranthene	0.82	MG/KG	U
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Benzoic Acid	8.2	MG/KG	U
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Benzyl Alcohol	3.3	MG/KG	U
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Bis(2-chloroethoxy)methane	0.82	MG/KG	U
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Bis(2-chloroethyl)ether	0.82	MG/KG	U
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Bis(2-ethylhexyl) phthalate	0.82	MG/KG	U
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Bromophenyl-phenylether[4-]	0.82	MG/KG	U
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Butylbenzylphthalate	0.82	MG/KG	U
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Carbazole	0.82	MG/KG	U
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Chloro-3-methylphenol[4-]	1.6	MG/KG	U
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Chloroaniline[4-]	3.3	MG/KG	U
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Chloronaphthalene[2-]	0.82	MG/KG	U
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Chlorophenol[2-]	0.82	MG/KG	U
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Chlorophenyl-phenyl[4-] Ether	0.82	MG/KG	U
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Chrysene	0.82	MG/KG	U
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Dibenz(a,h)anthracene	0.82	MG/KG	U
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Dibenzofuran	0.82	MG/KG	U
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Dichlorobenzene[1,2-]	0.82	MG/KG	U
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Dichlorobenzene[1,3-]	0.82	MG/KG	U
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Dichlorobenzene[1,4-]	0.82	MG/KG	U
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Dichlorobenzidine[3,3'-]	1.6	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Dichlorophenol[2,4-]	0.82	MG/KG	U
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Diethylphthalate	0.82	MG/KG	U
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Dimethyl Phthalate	0.82	MG/KG	U
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Dimethylphenol[2,4-]	0.82	MG/KG	U
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Di-n-butylphthalate	2.7	MG/KG	B
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Dinitro-2-methylphenol[4,6-]	4.1	MG/KG	U
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Dinitrophenol[2,4-]	4.1	MG/KG	U
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Dinitrotoluene[2,4-]	0.82	MG/KG	U
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Dinitrotoluene[2,6-]	0.82	MG/KG	U
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Di-n-octylphthalate	0.82	MG/KG	U
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Fluoranthene	0.82	MG/KG	U
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Fluorene	0.82	MG/KG	U
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Hexachlorobenzene	0.82	MG/KG	U
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Hexachlorobutadiene	0.82	MG/KG	U
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Hexachlorocyclopentadiene	0.82	MG/KG	U
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Hexachloroethane	0.82	MG/KG	U
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Indeno(1,2,3-cd)pyrene	0.82	MG/KG	U
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Isophorone	0.82	MG/KG	U
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Methylnaphthalene[2-]	0.82	MG/KG	U
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Methylphenol[2-]	0.82	MG/KG	U
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Methylphenol[4-]	0.82	MG/KG	U
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Naphthalene	0.82	MG/KG	U
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Nitroaniline[2-]	4.1	MG/KG	U
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Nitroaniline[3-]	4.1	MG/KG	U
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Nitroaniline[4-]	1.5	MG/KG	U
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Nitrobenzene	0.82	MG/KG	U
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Nitrophenol[2-]	0.82	MG/KG	U
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Nitrophenol[4-]	4.1	MG/KG	U
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Nitrosodimethylamine[N-]	0.82	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Nitroso-di-n-propylamine[N-]	0.82	MG/KG	U
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Nitrosodiphenylamine[N-]	0.82	MG/KG	U
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Oxybis (1-chloropropane)[2,2'-]	0.82	MG/KG	U
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Pentachlorophenol	4.1	MG/KG	U
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Phenanthrene	0.82	MG/KG	U
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Phenol	0.82	MG/KG	U
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Pyrene	0.82	MG/KG	U
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Pyridine	0.82	MG/KG	U
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Trichlorobenzene [1,2,4-]	0.82	MG/KG	U
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Trichlorophenol[2,4,5-]	4.1	MG/KG	U
16-018	16-2771	0816-96-0083	0	6	IN	SED	SEMI	Trichlorophenol[2,4,6-]	0.82	MG/KG	U
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Acenaphthene	0.87	MG/KG	U
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Acenaphthylene	0.87	MG/KG	U
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Aniline	0.87	MG/KG	U
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Anthracene	0.87	MG/KG	U
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Azobenzene	0.87	MG/KG	U
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Benzo(a)anthracene	0.87	MG/KG	U
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Benzo(a)pyrene	0.87	MG/KG	U
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Benzo(b)fluoranthene	0.87	MG/KG	U
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Benzo(g,h,i)perylene	0.87	MG/KG	U
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Benzo(k)fluoranthene	0.87	MG/KG	U
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Benzoic Acid	8.7	MG/KG	U
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Benzyl Alcohol	3.5	MG/KG	U
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Bis(2-chloroethoxy) methane	0.87	MG/KG	U
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Bis(2-chloroethyl)ether	0.87	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Bis(2-ethylhexyl) phthalate	0.24	MG/KG	J
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Bromophenyl-phenylether[4-]	0.87	MG/KG	U
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Butylbenzylphthalate	0.87	MG/KG	U
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Carbazole	0.87	MG/KG	U
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Chloro-3-methylphenol[4-]	1.7	MG/KG	U
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Chloroaniline[4-]	3.5	MG/KG	U
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Chloronaphthalene[2-]	0.87	MG/KG	U
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Chlorophenol[2-]	0.87	MG/KG	U
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Chlorophenyl-phenyl[4-] Ether	0.87	MG/KG	U
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Chrysene	0.87	MG/KG	U
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Dibenz(a,h)anthracene	0.87	MG/KG	U
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Dibenzofuran	0.87	MG/KG	U
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Dichlorobenzene[1,2-]	0.87	MG/KG	U
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Dichlorobenzene[1,3-]	0.87	MG/KG	U
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Dichlorobenzene[1,4-]	0.87	MG/KG	U
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Dichlorobenzidine[3,3'-]	1.7	MG/KG	U
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Dichlorophenol[2,4-]	0.87	MG/KG	U
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Diethylphthalate	0.26	MG/KG	J
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Dimethyl Phthalate	0.87	MG/KG	U
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Dimethylphenol[2,4-]	0.87	MG/KG	U
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Di-n-butylphthalate	1.8	MG/KG	none
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Dinitro-2-methylphenol[4,6-]	4.3	MG/KG	U
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Dinitrophenol[2,4-]	4.3	MG/KG	U
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Dinitrotoluene[2,4-]	0.87	MG/KG	U
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Dinitrotoluene[2,6-]	0.87	MG/KG	U
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Di-n-octylphthalate	0.87	MG/KG	U
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Fluoranthene	0.87	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Fluorene	0.87	MG/KG	U
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Hexachlorobenzene	0.87	MG/KG	U
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Hexachlorobutadiene	0.87	MG/KG	U
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Hexachlorocyclopentadiene	0.87	MG/KG	U
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Hexachloroethane	0.87	MG/KG	U
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Indeno(1,2,3-cd)pyrene	0.87	MG/KG	U
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Isophorone	0.87	MG/KG	U
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Methylnaphthalene[2-]	0.87	MG/KG	U
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Methylphenol[2-]	0.87	MG/KG	U
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Methylphenol[4-]	0.87	MG/KG	U
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Naphthalene	0.87	MG/KG	U
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Nitroaniline[2-]	4.3	MG/KG	U
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Nitroaniline[3-]	4.3	MG/KG	U
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Nitroaniline[4-]	1.6	MG/KG	U
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Nitrobenzene	0.87	MG/KG	U
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Nitrophenol[2-]	0.87	MG/KG	U
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Nitrophenol[4-]	4.3	MG/KG	U
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Nitrosodimethylamine[N-]	0.87	MG/KG	U
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Nitroso-di-n-propylamine[N-]	0.87	MG/KG	U
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Nitrosodiphenylamine[N-]	0.87	MG/KG	U
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Oxybis (1-chloropropane)[2,2'-]	0.87	MG/KG	U
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Pentachlorophenol	4.3	MG/KG	U
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Phenanthrene	0.87	MG/KG	U
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Phenol	0.87	MG/KG	U
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Pyrene	0.87	MG/KG	U
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Pyridine	0.87	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Trichlorobenzene [1,2,4-]	0.87	MG/KG	U
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Trichlorophenol[2,4,5-]	4.3	MG/KG	U
16-018	16-2772	0816-96-0084	0	6	IN	SED	SEMI	Trichlorophenol[2,4,6-]	0.87	MG/KG	U
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Acenaphthene	0.83	MG/KG	U
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Acenaphthylene	0.83	MG/KG	U
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Aniline	0.83	MG/KG	U
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Anthracene	0.83	MG/KG	U
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Azobenzene	0.83	MG/KG	U
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Benzo(a)anthracene	0.83	MG/KG	U
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Benzo(a)pyrene	0.83	MG/KG	U
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Benzo(b)fluoranthene	0.83	MG/KG	U
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Benzo(g,h,i)perylene	0.83	MG/KG	U
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Benzo(k)fluoranthene	0.83	MG/KG	U
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Benzoic Acid	8.3	MG/KG	U
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Benzyl Alcohol	3.3	MG/KG	U
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Bis(2-chloroethoxy) methane	0.83	MG/KG	U
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Bis(2-chloroethyl)ether	0.83	MG/KG	U
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Bis(2-ethylhexyl) phthalate	0.83	MG/KG	U
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Bromophenyl-phenylether[4-]	0.83	MG/KG	U
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Butylbenzylphthalate	0.83	MG/KG	U
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Carbazole	0.83	MG/KG	U
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Chloro-3-methylphenol[4-]	1.6	MG/KG	U
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Chloroaniline[4-]	3.3	MG/KG	U
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Chloronaphthalene[2-]	0.83	MG/KG	U
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Chlorophenol[2-]	0.83	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Chlorophenyl-phenyl[4-] Ether	0.83	MG/KG	U
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Chrysene	0.83	MG/KG	U
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Dibenz(a,h)anthracene	0.83	MG/KG	U
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Dibenzofuran	0.83	MG/KG	U
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Dichlorobenzene[1,2-]	0.83	MG/KG	U
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Dichlorobenzene[1,3-]	0.83	MG/KG	U
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Dichlorobenzene[1,4-]	0.83	MG/KG	U
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Dichlorobenzidine[3,3'-]	1.6	MG/KG	U
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Dichlorophenol[2,4-]	0.83	MG/KG	U
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Diethylphthalate	0.47	MG/KG	J
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Dimethyl Phthalate	0.83	MG/KG	U
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Dimethylphenol[2,4-]	0.83	MG/KG	U
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Di-n-butylphthalate	0.8	MG/KG	J
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Dinitro-2-methylphenol[4,6-]	4.1	MG/KG	U
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Dinitrophenol[2,4-]	4.1	MG/KG	U
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Dinitrotoluene[2,4-]	0.83	MG/KG	U
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Dinitrotoluene[2,6-]	0.83	MG/KG	U
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Di-n-octylphthalate	0.83	MG/KG	U
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Fluoranthene	0.83	MG/KG	U
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Fluorene	0.83	MG/KG	U
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Hexachlorobenzene	0.83	MG/KG	U
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Hexachlorobutadiene	0.83	MG/KG	U
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Hexachlorocyclopentadiene	0.83	MG/KG	U
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Hexachloroethane	0.83	MG/KG	U
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Indeno(1,2,3-cd)pyrene	0.83	MG/KG	U
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Isophorone	0.83	MG/KG	U
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Methylnaphthalene[2-]	0.83	MG/KG	U
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Methylphenol[2-]	0.83	MG/KG	U
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Methylphenol[4-]	0.83	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Naphthalene	0.83	MG/KG	U
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Nitroaniline[2-]	4.1	MG/KG	U
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Nitroaniline[3-]	4.1	MG/KG	U
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Nitroaniline[4-]	1.5	MG/KG	U
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Nitrobenzene	0.83	MG/KG	U
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Nitrophenol[2-]	0.83	MG/KG	U
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Nitrophenol[4-]	4.1	MG/KG	U
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Nitrosodimethylamine[N-]	0.83	MG/KG	U
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Nitroso-di-n-propylamine[N-]	0.83	MG/KG	U
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Nitrosodiphenylamine[N-]	0.83	MG/KG	U
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Oxybis (1-chloropropane)[2,2'-]	0.83	MG/KG	U
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Pentachlorophenol	4.1	MG/KG	U
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Phenanthrene	0.83	MG/KG	U
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Phenol	0.83	MG/KG	U
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Pyrene	0.83	MG/KG	U
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Pyridine	0.83	MG/KG	U
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Trichlorobenzene [1,2,4-]	0.83	MG/KG	U
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Trichlorophenol[2,4,5-]	4.1	MG/KG	U
16-018	16-2773	0816-96-0085	0	6	IN	SED	SEMI	Trichlorophenol[2,4,6-]	0.83	MG/KG	U
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Acenaphthene	0.99	MG/KG	U
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Acenaphthylene	0.99	MG/KG	U
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Aniline	0.99	MG/KG	U
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Anthracene	0.99	MG/KG	U
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Azobenzene	0.99	MG/KG	U
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Benzo(a)anthracene	0.99	MG/KG	U
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Benzo(a)pyrene	0.99	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Benzo(b)fluoranthene	0.99	MG/KG	U
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Benzo(g,h,i)perylene	0.99	MG/KG	U
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Benzo(k)fluoranthene	0.99	MG/KG	U
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Benzoic Acid	9.9	MG/KG	U
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Benzyl Alcohol	4	MG/KG	U
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Bis(2-chloroethoxy)methane	0.99	MG/KG	U
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Bis(2-chloroethyl)ether	0.99	MG/KG	U
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Bis(2-ethylhexyl) phthalate	0.3	MG/KG	J
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Bromophenyl-phenylether[4-]	0.99	MG/KG	U
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Butylbenzylphthalate	0.99	MG/KG	U
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Carbazole	0.99	MG/KG	U
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Chloro-3-methylphenol[4-]	2	MG/KG	U
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Chloroaniline[4-]	4	MG/KG	U
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Chloronaphthalene[2-]	0.99	MG/KG	U
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Chlorophenol[2-]	0.99	MG/KG	U
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Chlorophenyl-phenyl[4-] Ether	0.99	MG/KG	U
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Chrysene	0.99	MG/KG	U
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Dibenz(a,h)anthracene	0.99	MG/KG	U
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Dibenzofuran	0.99	MG/KG	U
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Dichlorobenzene[1,2-]	0.99	MG/KG	U
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Dichlorobenzene[1,3-]	0.99	MG/KG	U
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Dichlorobenzene[1,4-]	0.99	MG/KG	U
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Dichlorobenzidine[3,3'-]	2	MG/KG	U
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Dichlorophenol[2,4-]	0.99	MG/KG	U
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Diethylphthalate	0.2	MG/KG	J
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Dimethyl Phthalate	0.99	MG/KG	U
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Dimethylphenol[2,4-]	0.99	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Di-n-butylphthalate	1.2	MG/KG	none
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Dinitro-2-methylphenol[4,6-]	4.9	MG/KG	U
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Dinitrophenol[2,4-]	4.9	MG/KG	U
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Dinitrotoluene[2,4-]	0.99	MG/KG	U
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Dinitrotoluene[2,6-]	0.99	MG/KG	U
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Di-n-octylphthalate	0.99	MG/KG	U
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Fluoranthene	0.99	MG/KG	U
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Fluorene	0.99	MG/KG	U
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Hexachlorobenzene	0.99	MG/KG	U
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Hexachlorobutadiene	0.99	MG/KG	U
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Hexachlorocyclopentadiene	0.99	MG/KG	U
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Hexachloroethane	0.99	MG/KG	U
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Indeno(1,2,3-cd)pyrene	0.99	MG/KG	U
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Isophorone	0.99	MG/KG	U
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Methylnaphthalene[2-]	0.99	MG/KG	U
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Methylphenol[2-]	0.99	MG/KG	U
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Methylphenol[4-]	0.99	MG/KG	U
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Naphthalene	0.99	MG/KG	U
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Nitroaniline[2-]	4.9	MG/KG	U
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Nitroaniline[3-]	4.9	MG/KG	U
[illegible]	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Nitroaniline[4-]	1.8	MG/KG	U
[illegible]	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Nitrobenzene	0.99	MG/KG	U
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Nitrophenol[2-]	0.99	MG/KG	U
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Nitrophenol[4-]	4.9	MG/KG	U
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Nitrosodimethylamine[N-]	0.99	MG/KG	U
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Nitroso-di-n-propylamine[N-]	0.99	MG/KG	U
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Nitrosodiphenylamine[N-]	0.99	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Oxybis (1-chloropropane)[2,2'-]	0.99	MG/KG	U
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Pentachlorophenol	4.9	MG/KG	U
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Phenanthrene	0.99	MG/KG	U
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Phenol	0.99	MG/KG	U
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Pyrene	0.99	MG/KG	U
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Pyridine	0.99	MG/KG	U
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Trichlorobenzene [1,2,4-]	0.99	MG/KG	U
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Trichlorophenol[2,4,5-]	4.9	MG/KG	U
16-018	16-2774	0816-96-0086	0	6	IN	SED	SEMI	Trichlorophenol[2,4,6-]	0.99	MG/KG	U
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Acenaphthene	0.94	MG/KG	U
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Acenaphthylene	0.94	MG/KG	U
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Aniline	0.94	MG/KG	U
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Anthracene	0.94	MG/KG	U
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Azobenzene	0.94	MG/KG	U
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Benzo(a)anthracene	0.94	MG/KG	U
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Benzo(a)pyrene	0.94	MG/KG	U
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Benzo(b)fluoranthene	0.94	MG/KG	U
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Benzo(g,h,i)perylene	0.94	MG/KG	U
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Benzo(k)fluoranthene	0.94	MG/KG	U
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Benzoic Acid	9.4	MG/KG	U
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Benzyl Alcohol	3.8	MG/KG	U
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Bis(2-chloroethoxy) methane	0.94	MG/KG	U
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Bis(2-chloroethyl)ether	0.94	MG/KG	U
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Bis(2-ethylhexyl) phthalate	0.94	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Bromophenyl-phenylether[4-]	0.94	MG/KG	U
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Butylbenzylphthalate	0.94	MG/KG	U
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Carbazole	0.94	MG/KG	U
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Chloro-3-methylphenol[4-]	1.9	MG/KG	U
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Chloroaniline[4-]	3.8	MG/KG	U
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Chloronaphthalene[2-]	0.94	MG/KG	U
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Chlorophenol[2-]	0.94	MG/KG	U
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Chlorophenyl-phenyl[4-] Ether	0.94	MG/KG	U
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Chrysene	0.94	MG/KG	U
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Dibenz(a,h)anthracene	0.94	MG/KG	U
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Dibenzofuran	0.94	MG/KG	U
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Dichlorobenzene[1,2-]	0.94	MG/KG	U
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Dichlorobenzene[1,3-]	0.94	MG/KG	U
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Dichlorobenzene[1,4-]	0.94	MG/KG	U
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Dichlorobenzidine[3,3'-]	1.9	MG/KG	U
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Dichlorophenol[2,4-]	0.94	MG/KG	U
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Diethylphthalate	0.2	MG/KG	J
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Dimethyl Phthalate	0.94	MG/KG	U
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Dimethylphenol[2,4-]	0.94	MG/KG	U
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Di-n-butylphthalate	2.5	MG/KG	none
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Dinitro-2-methylphenol[4,6-]	4.7	MG/KG	U
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Dinitrophenol[2,4-]	4.7	MG/KG	U
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Dinitrotoluene[2,4-]	0.94	MG/KG	U
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Dinitrotoluene[2,6-]	0.94	MG/KG	U
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Di-n-octylphthalate	0.94	MG/KG	U
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Fluoranthene	0.94	MG/KG	U
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Fluorene	0.94	MG/KG	U
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Hexachlorobenzene	0.94	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Hexachlorobutadiene	0.94	MG/KG	U
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Hexachlorocyclopentadiene	0.94	MG/KG	U
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Hexachloroethane	0.94	MG/KG	U
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Indeno(1,2,3-cd)pyrene	0.94	MG/KG	U
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Isophorone	0.94	MG/KG	U
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Methylnaphthalene[2-]	0.94	MG/KG	U
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Methylphenol[2-]	0.94	MG/KG	U
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Methylphenol[4-]	0.94	MG/KG	U
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Naphthalene	0.94	MG/KG	U
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Nitroaniline[2-]	4.7	MG/KG	U
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Nitroaniline[3-]	4.7	MG/KG	U
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Nitroaniline[4-]	1.7	MG/KG	U
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Nitrobenzene	0.94	MG/KG	U
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Nitrophenol[2-]	0.94	MG/KG	U
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Nitrophenol[4-]	4.7	MG/KG	U
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Nitrosodimethylamine[N-]	0.94	MG/KG	U
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Nitroso-di-n-propylamine[N-]	0.94	MG/KG	U
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Nitrosodiphenylamine[N-]	0.94	MG/KG	U
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Oxybis (1-chloropropane)[2,2'-]	0.94	MG/KG	U
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Pentachlorophenol	4.7	MG/KG	U
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Phenanthrene	0.94	MG/KG	U
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Phenol	0.94	MG/KG	U
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Pyrene	0.94	MG/KG	U
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Pyridine	0.94	MG/KG	U
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Trichlorobenzene [1,2,4-]	0.94	MG/KG	U
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Trichlorophenol[2,4,5-]	4.7	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2775	0816-96-0087	0	6	IN	SED	SEMI	Trichlorophenol[2,4,6-]	0.94	MG/KG	U
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Acenaphthene	0.93	MG/KG	U
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Acenaphthylene	0.93	MG/KG	U
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Aniline	0.93	MG/KG	U
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Anthracene	0.93	MG/KG	U
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Azobenzene	0.93	MG/KG	U
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Benzo(a)anthracene	0.93	MG/KG	U
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Benzo(a)pyrene	0.93	MG/KG	U
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Benzo(b)fluoranthene	0.93	MG/KG	U
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Benzo(g,h,i)perylene	0.93	MG/KG	U
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Benzo(k)fluoranthene	0.93	MG/KG	U
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Benzoic Acid	9.3	MG/KG	U
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Benzyl Alcohol	3.7	MG/KG	U
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Bis(2-chloroethoxy) methane	0.93	MG/KG	U
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Bis(2-chloroethyl)ether	0.93	MG/KG	U
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Bis(2-ethylhexyl) phthalate	0.46	MG/KG	J
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Bromophenyl-phenylether[4-]	0.93	MG/KG	U
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Butylbenzylphthalate	0.93	MG/KG	U
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Carbazole	0.93	MG/KG	U
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Chloro-3-methylphenol[4-]	1.9	MG/KG	U
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Chloroaniline[4-]	3.7	MG/KG	U
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Chloronaphthalene[2-]	0.93	MG/KG	U
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Chlorophenol[2-]	0.93	MG/KG	U
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Chlorophenyl-phenyl[4-] Ether	0.93	MG/KG	U
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Chrysene	0.93	MG/KG	U
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Dibenz(a,h)anthracene	0.93	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Dibenzofuran	0.93	MG/KG	U
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Dichlorobenzene[1,2-]	0.93	MG/KG	U
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Dichlorobenzene[1,3-]	0.93	MG/KG	U
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Dichlorobenzene[1,4-]	0.93	MG/KG	U
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Dichlorobenzidine[3,3'-]	1.9	MG/KG	U
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Dichlorophenol[2,4-]	0.93	MG/KG	U
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Diethylphthalate	0.93	MG/KG	U
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Dimethyl Phthalate	0.93	MG/KG	U
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Dimethylphenol[2,4-]	0.93	MG/KG	U
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Di-n-butylphthalate	2	MG/KG	none
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Dinitro-2-methylphenol[4,6-]	4.6	MG/KG	U
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Dinitrophenol[2,4-]	4.6	MG/KG	U
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Dinitrotoluene[2,4-]	0.93	MG/KG	U
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Dinitrotoluene[2,6-]	0.93	MG/KG	U
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Di-n-octylphthalate	0.93	MG/KG	U
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Fluoranthene	0.93	MG/KG	U
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Fluorene	0.93	MG/KG	U
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Hexachlorobenzene	0.93	MG/KG	U
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Hexachlorobutadiene	0.93	MG/KG	U
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Hexachlorocyclopentadiene	0.93	MG/KG	U
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Hexachloroethane	0.93	MG/KG	U
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Indeno(1,2,3-cd)pyrene	0.93	MG/KG	U
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Isophorone	0.93	MG/KG	U
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Methylnaphthalene[2-]	0.93	MG/KG	U
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Methylphenol[2-]	0.93	MG/KG	U
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Methylphenol[4-]	0.93	MG/KG	U
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Naphthalene	0.93	MG/KG	U
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Nitroaniline[2-]	4.6	MG/KG	U
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Nitroaniline[3-]	4.6	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Nitroaniline[4-]	1.7	MG/KG	U
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Nitrobenzene	0.93	MG/KG	U
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Nitrophenol[2-]	0.93	MG/KG	U
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Nitrophenol[4-]	4.6	MG/KG	U
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Nitrosodimethylamine[N-]	0.93	MG/KG	U
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Nitroso-di-n-propylamine[N-]	0.93	MG/KG	U
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Nitrosodiphenylamine[N-]	0.93	MG/KG	U
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Oxybis (1-chloropropane)[2,2'-]	0.93	MG/KG	U
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Pentachlorophenol	4.6	MG/KG	U
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Phenanthrene	0.93	MG/KG	U
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Phenol	0.93	MG/KG	U
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Pyrene	0.93	MG/KG	U
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Pyridine	0.93	MG/KG	U
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Trichlorobenzene [1,2,4-]	0.93	MG/KG	U
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Trichlorophenol[2,4,5-]	4.6	MG/KG	U
16-018	16-2776	0816-96-0088	0	6	IN	SED	SEMI	Trichlorophenol[2,4,6-]	0.93	MG/KG	U
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Acenaphthene	0.8	MG/KG	U
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Acenaphthylene	0.8	MG/KG	U
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Aniline	0.8	MG/KG	U
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Anthracene	0.8	MG/KG	U
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Azobenzene	0.8	MG/KG	U
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Benzo(a)anthracene	0.8	MG/KG	U
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Benzo(a)pyrene	0.8	MG/KG	U
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Benzo(b)fluoranthene	0.8	MG/KG	U
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Benzo(g,h,i)perylene	0.8	MG/KG	U
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Benzo(k)fluoranthene	0.8	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Benzoic Acid	8	MG/KG	U
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Benzyl Alcohol	3.2	MG/KG	U
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Bis(2-chloroethoxy) methane	0.8	MG/KG	U
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Bis(2-chloroethyl)ether	0.8	MG/KG	U
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Bis(2-ethylhexyl) phthalate	0.26	MG/KG	J
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Bromophenyl-phenylether[4-]	0.8	MG/KG	U
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Butylbenzylphthalate	0.8	MG/KG	U
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Carbazole	0.8	MG/KG	U
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Chloro-3-methylphenol[4-]	1.6	MG/KG	U
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Chloroaniline[4-]	3.2	MG/KG	U
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Chloronaphthalene[2-]	0.8	MG/KG	U
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Chlorophenol[2-]	0.8	MG/KG	U
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Chlorophenyl-phenyl[4-] Ether	0.8	MG/KG	U
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Chrysene	0.8	MG/KG	U
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Dibenz(a,h)anthracene	0.8	MG/KG	U
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Dibenzofuran	0.8	MG/KG	U
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Dichlorobenzene[1,2-]	0.8	MG/KG	U
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Dichlorobenzene[1,3-]	0.8	MG/KG	U
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Dichlorobenzene[1,4-]	0.8	MG/KG	U
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Dichlorobenzidine[3,3'-]	1.6	MG/KG	U
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Dichlorophenol[2,4-]	0.8	MG/KG	U
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Diethylphthalate	0.18	MG/KG	J
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Dimethyl Phthalate	0.8	MG/KG	U
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Dimethylphenol[2,4-]	0.8	MG/KG	U
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Di-n-butylphthalate	1	MG/KG	none
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Dinitro-2-methylphenol[4,6-]	3.9	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Dinitrophenol[2,4-]	3.9	MG/KG	U
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Dinitrotoluene[2,4-]	0.8	MG/KG	U
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Dinitrotoluene[2,6-]	0.8	MG/KG	U
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Di-n-octylphthalate	0.8	MG/KG	U
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Fluoranthene	0.8	MG/KG	U
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Fluorene	0.8	MG/KG	U
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Hexachlorobenzene	0.8	MG/KG	U
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Hexachlorobutadiene	0.8	MG/KG	U
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Hexachlorocyclopentadiene	0.8	MG/KG	U
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Hexachloroethane	0.8	MG/KG	U
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Indeno(1,2,3-cd)pyrene	0.8	MG/KG	U
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Isophorone	0.8	MG/KG	U
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Methylnaphthalene[2-]	0.8	MG/KG	U
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Methylphenol[2-]	0.8	MG/KG	U
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Methylphenol[4-]	0.8	MG/KG	U
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Naphthalene	0.8	MG/KG	U
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Nitroaniline[2-]	3.9	MG/KG	U
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Nitroaniline[3-]	3.9	MG/KG	U
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Nitroaniline[4-]	1.4	MG/KG	U
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Nitrobenzene	0.8	MG/KG	U
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Nitrophenol[2-]	0.8	MG/KG	U
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Nitrophenol[4-]	3.9	MG/KG	U
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Nitrosodimethylamine[N-]	0.8	MG/KG	U
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Nitroso-di-n-propylamine[N-]	0.8	MG/KG	U
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Nitrosodiphenylamine[N-]	0.8	MG/KG	U
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Oxybis (1-chloropropane)[2,2'-]	0.8	MG/KG	U
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Pentachlorophenol	3.9	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Phenanthrene	0.8	MG/KG	U
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Phenol	0.8	MG/KG	U
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Pyrene	0.8	MG/KG	U
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Pyridine	0.8	MG/KG	U
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Trichlorobenzene [1,2,4-]	0.8	MG/KG	U
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Trichlorophenol[2,4,5-]	3.9	MG/KG	U
16-018	16-2777	0816-96-0089	0	6	IN	SED	SEMI	Trichlorophenol[2,4,6-]	0.8	MG/KG	U
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Acenaphthene	1.2	MG/KG	U
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Acenaphthylene	1.2	MG/KG	U
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Aniline	1.2	MG/KG	U
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Anthracene	1.2	MG/KG	U
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Azobenzene	1.2	MG/KG	U
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Benzo(a)anthracene	1.2	MG/KG	U
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Benzo(a)pyrene	1.2	MG/KG	U
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Benzo(b)fluoranthene	1.2	MG/KG	U
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Benzo(g,h,i)perylene	1.2	MG/KG	U
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Benzo(k)fluoranthene	1200	UG/L	U
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Benzoic Acid	12	MG/KG	U
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Benzyl Alcohol	4.8	MG/KG	U
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Bis(2-chloroethoxy) methane	1.2	MG/KG	U
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Bis(2-chloroethyl)ether	1.2	MG/KG	U
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Bis(2-ethylhexyl) phthalate	0.74	MG/KG	J
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Bromophenyl-phenylether[4-]	1.2	MG/KG	U
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Butylbenzylphthalate	1.2	MG/KG	U
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Carbazole	1.2	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Chloro-3-methylphenol[4-]	2.4	MG/KG	U
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Chloroaniline[4-]	4.8	MG/KG	U
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Chloronaphthalene[2-]	1.2	MG/KG	U
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Chlorophenol[2-]	1.2	MG/KG	U
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Chlorophenyl-phenyl[4-] Ether	1.2	MG/KG	U
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Chrysene	1.2	MG/KG	U
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Dibenz(a,h)anthracene	1.2	MG/KG	U
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Dibenzofuran	1.2	MG/KG	U
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Dichlorobenzene[1,2-]	1.2	MG/KG	U
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Dichlorobenzene[1,3-]	1.2	MG/KG	U
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Dichlorobenzene[1,4-]	1.2	MG/KG	U
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Dichlorobenzidine[3,3'-]	2.4	MG/KG	U
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Dichlorophenol[2,4-]	1.2	MG/KG	U
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Diethylphthalate	1.2	MG/KG	U
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Dimethyl Phthalate	1.2	MG/KG	U
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Dimethylphenol[2,4-]	1.2	MG/KG	U
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Di-n-butylphthalate	4	MG/KG	none
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Dinitro-2-methylphenol[4,6-]	6	MG/KG	U
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Dinitrophenol[2,4-]	6	MG/KG	U
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Dinitrotoluene[2,4-]	1.2	MG/KG	U
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Dinitrotoluene[2,6-]	1.2	MG/KG	U
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Di-n-octylphthalate	1.2	MG/KG	U
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Fluoranthene	1.2	MG/KG	U
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Fluorene	1.2	MG/KG	U
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Hexachlorobenzene	1.2	MG/KG	U
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Hexachlorobutadiene	1.2	MG/KG	U
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Hexachlorocyclopentadiene	1.2	MG/KG	U
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Hexachloroethane	1.2	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Indeno(1,2,3-cd)pyrene	1.2	MG/KG	U
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Isophorone	1.2	MG/KG	U
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Methylnaphthalene[2-]	1.2	MG/KG	U
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Methylphenol[2-]	1.2	MG/KG	U
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Methylphenol[4-]	1.2	MG/KG	U
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Naphthalene	1.2	MG/KG	U
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Nitroaniline[2-]	6	MG/KG	U
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Nitroaniline[3-]	6	MG/KG	U
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Nitroaniline[4-]	2.2	MG/KG	U
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Nitrobenzene	1.2	MG/KG	U
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Nitrophenol[2-]	1.2	MG/KG	U
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Nitrophenol[4-]	6	MG/KG	U
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Nitrosodimethylamine[N-]	1.2	MG/KG	U
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Nitroso-di-n-propylamine[N-]	1.2	MG/KG	U
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Nitrosodiphenylamine[N-]	1.2	MG/KG	U
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Oxybis(1-chloropropane)[2,2'-]	1.2	MG/KG	U
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Pentachlorophenol	6	MG/KG	U
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Phenanthrene	1.2	MG/KG	U
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Phenol	1.2	MG/KG	U
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Pyrene	1.2	MG/KG	U
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Pyridine	1.2	MG/KG	U
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Trichlorobenzene [1,2,4-]	1.2	MG/KG	U
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Trichlorophenol[2,4,5-]	6	MG/KG	U
16-018	16-2778	0816-96-0090	0	6	IN	SED	SEMI	Trichlorophenol[2,4,6-]	1.2	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	NAv	Acetone	0.027	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	NAv	Benzene	0.007	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	NAv	Bromobenzene	0.007	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	NAv	Bromochloromethane	0.007	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	NAv	Bromodichloromethane	0.007	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	NAv	Bromoform	0.007	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	NAv	Bromomethane	0.013	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	NAv	Butanone[2-]	0.027	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	NAv	Butylbenzene[n-]	0.007	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	NAv	Butylbenzene[sec-]	0.007	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	NAv	Butylbenzene[tert-]	0.007	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	NAv	Carbon Disulfide	0.007	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	NAv	Carbon Tetrachloride	0.007	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	NAv	Chlorobenzene	0.007	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	NAv	Chlorodibromomethane	0.007	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	NAv	Chloroethane	0.013	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	NAv	Chloroform	0.007	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	NAv	Chloromethane	0.013	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	NAv	Chlorotoluene[2-]	0.007	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	NAv	Chlorotoluene[4-]	0.007	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	NAv	Dibromo-3-chloropropane[1,2-]	0.013	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	NAv	Dibromoethane[1,2-]	0.007	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	NAv	Dibromomethane	0.007	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	NAv	Dichlorobenzene[1,2-]	0.007	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	NAv	Dichlorobenzene[1,3-]	0.007	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	NAv	Dichlorobenzene[1,4-]	0.007	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	NAv	Dichlorodifluoro methane	0.013	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	NAv	Dichloroethane[1,1-]	0.007	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	NAv	Dichloroethane[1,2-]	0.007	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	NAv	Dichloroethene[1,1-]	0.007	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	NAv	Dichloroethene [cis-1,2-]	0.007	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	NAv	Dichloroethene [trans-1,2-]	0.007	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	NAv	Dichloropropane[1,2-]	0.007	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	NAv	Dichloropropane[1,3-]	0.007	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	NAv	Dichloropropane[2,2-]	0.007	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	NAv	Dichloropropene[1,1-]	0.007	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	NAv	Dichloropropene [cis-1,3-]	0.007	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	NAv	Dichloropropene[trans-1,3-]	0.007	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	NAv	Ethylbenzene	0.007	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	NAv	Hexanone[2-]	0.027	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	NAv	Iodomethane	0.007	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	NAv	Isopropylbenzene	0.007	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	NAv	Isopropyltoluene[4-]	0.007	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	NAv	Methyl-2-pentanone[4-]	0.027	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	NAv	Methylene Chloride	0.007	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	NAv	Propylbenzene[1-]	0.007	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	NAv	Styrene	0.007	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	NAv	Tetrachloroethane [1,1,1,2-]	0.007	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	NAv	Tetrachloroethane [1,1,2,2-]	0.007	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	NAv	Tetrachloroethene	0.007	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	NAv	Toluene	0.007	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	NAv	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.007	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	NAv	Trichloroethane[1,1,1-]	0.007	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	NAv	Trichloroethane[1,1,2-]	0.007	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	NAv	Trichloroethene	0.007	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	NAv	Trichlorofluoromethane	0.013	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	NAv	Trichloropropane[1,2,3-]	0.007	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	NAv	Trimethylbenzene [1,2,4-]	0.007	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	NAv	Trimethylbenzene [1,3,5-]	0.007	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	NAv	Vinyl Chloride	0.013	MG/KG	U
16-018	16-1001	AAB1609	NAv	NAv	NAv	SED	NAv	Xylene (Total)	0.007	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	NAv	Acetone	0.072	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	NAv	Benzene	0.013	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	NAv	Bromobenzene	0.013	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	NAv	Bromochloromethane	0.013	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	NAv	Bromodichloromethane	0.013	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	NAv	Bromoform	0.013	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	NAv	Bromomethane	0.026	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	NAv	Butanone[2-]	0.051	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	NAv	Butylbenzene[n-]	0.013	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	NAv	Butylbenzene[sec-]	0.013	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	NAv	Butylbenzene[tert-]	0.013	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	NAv	Carbon Disulfide	0.013	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	NAv	Carbon Tetrachloride	0.013	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	NAv	Chlorobenzene	0.013	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	NAv	Chlorodibromomethane	0.013	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	NAv	Chloroethane	0.026	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	NAv	Chloroform	0.013	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	NAv	Chloromethane	0.026	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	NAv	Chlorotoluene[2-]	0.013	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	NAv	Chlorotoluene[4-]	0.013	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	NAv	Dibromo-3-chloropropane[1,2-]	0.026	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	NAv	Dibromoethane[1,2-]	0.013	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	NAv	Dibromomethane	0.013	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	NAv	Dichlorobenzene[1,2-]	0.013	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	NAv	Dichlorobenzene[1,3-]	0.013	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	NAv	Dichlorobenzene[1,4-]	0.013	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	NAv	Dichlorodifluoro methane	0.026	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	NAv	Dichloroethane[1,1-]	0.013	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	NAv	Dichloroethane[1,2-]	0.013	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	NAv	Dichloroethene[1,1-]	0.013	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	NAv	Dichloroethene [cis-1,2-]	0.013	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	NAv	Dichloroethene [trans-1,2-]	0.013	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	NAv	Dichloropropane[1,2-]	0.013	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	NAv	Dichloropropane[1,3-]	0.013	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	NAv	Dichloropropane[2,2-]	0.013	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	NAv	Dichloropropene[1,1-]	0.013	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	NAv	Dichloropropene [cis-1,3-]	0.013	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	NAv	Dichloropropene [trans-1,3-]	0.013	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	NAv	Ethylbenzene	0.013	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	NAv	Hexanone[2-]	0.051	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	NAv	Iodomethane	0.013	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	NAv	Isopropylbenzene	0.013	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	NAv	Isopropyltoluene[4-]	0.013	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	NAv	Methyl-2-pentanone[4-]	0.051	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	NAv	Methylene Chloride	0.013	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	NAv	Propylbenzene[1-]	0.013	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	NAv	Styrene	0.013	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	NAv	Tetrachloroethane [1,1,1,2-]	0.013	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	NAv	Tetrachloroethane [1,1,2,2-]	0.013	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	NAv	Tetrachloroethene	0.013	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	NAv	Toluene	0.013	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	NAv	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.013	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	NAv	Trichloroethane[1,1,1-]	0.013	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	NAv	Trichloroethane[1,1,2-]	0.013	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	NAv	Trichloroethene	0.013	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	NAv	Trichlorofluoromethane	0.026	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	NAv	Trichloropropane[1,2,3-]	0.013	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	NAv	Trimethylbenzene [1,2,4-]	0.013	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	NAv	Trimethylbenzene [1,3,5-]	0.013	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	NAv	Vinyl Chloride	0.026	MG/KG	U
16-018	16-1002	AAB1610	NAv	NAv	NAv	SED	NAv	Xylene (Total)	0.013	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	NAv	Acetone	0.032	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	NAv	Benzene	0.008	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	NAv	Bromobenzene	0.008	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	NAv	Bromochloromethane	0.008	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	NAv	Bromodichloromethane	0.008	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	NAv	Bromoform	0.008	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	NAv	Bromomethane	0.016	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	NAv	Butanone[2-]	0.032	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	NAv	Butylbenzene[n-]	0.008	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	NAv	Butylbenzene[sec-]	0.008	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	NAv	Butylbenzene[tert-]	0.008	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	NAv	Carbon Disulfide	0.008	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	NAv	Carbon Tetrachloride	0.008	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	NAv	Chlorobenzene	0.008	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	NAv	Chlorodibromomethane	0.008	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	NAv	Chloroethane	0.016	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	NAv	Chloroform	0.008	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	NAv	Chloromethane	0.016	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	NAv	Chlorotoluene[2-]	0.008	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	NAv	Chlorotoluene[4-]	0.008	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	NAv	Dibromo-3-chloropropane[1,2-]	0.016	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	NAv	Dibromoethane[1,2-]	0.008	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	NAv	Dibromomethane	0.008	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	NAv	Dichlorobenzene[1,2-]	0.008	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	NAv	Dichlorobenzene[1,3-]	0.008	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	NAv	Dichlorobenzene[1,4-]	0.008	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	NAv	Dichlorodifluoromethane	0.016	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	NAv	Dichloroethane[1,1-]	0.008	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	NAv	Dichloroethane[1,2-]	0.008	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	NAv	Dichloroethene[1,1-]	0.008	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	NAv	Dichloroethene [cis-1,2-]	0.008	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	NAv	Dichloroethene [trans-1,2-]	0.008	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	NAv	Dichloropropane[1,2-]	0.008	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	NAv	Dichloropropane[1,3-]	0.008	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	NAv	Dichloropropane[2,2-]	0.008	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	NAv	Dichloropropene[1,1-]	0.008	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	NAv	Dichloropropene [cis-1,3-]	0.008	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	NAv	Dichloropropene[trans-1,3-]	0.008	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	NAv	Ethylbenzene	0.008	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	NAv	Hexanone[2-]	0.032	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	NAv	Iodomethane	0.008	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	NAv	Isopropylbenzene	0.008	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	NAv	Isopropyltoluene[4-]	0.008	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	NAv	Methyl-2-pentanone[4-]	0.032	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	NAv	Methylene Chloride	0.008	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	NAv	Propylbenzene[1-]	0.008	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	NAv	Styrene	0.008	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	NAv	Tetrachloroethane [1,1,1,2-]	0.008	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	NAv	Tetrachloroethane [1,1,2,2-]	0.008	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	NAv	Tetrachloroethene	0.008	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	NAv	Toluene	0.008	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	NAv	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.008	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	NAv	Trichloroethane[1,1,1-]	0.008	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	NAv	Trichloroethane[1,1,2-]	0.008	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	NAv	Trichloroethene	0.008	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	NAv	Trichlorofluoromethane	0.016	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	NAv	Trichloropropane[1,2,3-]	0.008	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	NAv	Trimethylbenzene [1,2,4-]	0.008	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	NAv	Trimethylbenzene [1,3,5-]	0.008	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	NAv	Vinyl Chloride	0.016	MG/KG	U
16-018	16-1003	AAB1611	NAv	NAv	NAv	SED	NAv	Xylene (Total)	0.008	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	NAv	Acetone	0.032	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	NAv	Benzene	0.007	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	NAv	Bromobenzene	0.007	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	NAv	Bromochloromethane	0.007	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	NAv	Bromodichloromethane	0.007	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	NAv	Bromoform	0.007	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	NAv	Bromomethane	0.014	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	NAv	Butanone[2-]	0.028	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	NAv	Butylbenzene[n-]	0.007	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	NAv	Butylbenzene[sec-]	0.007	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	NAv	Butylbenzene[tert-]	0.007	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	NAv	Carbon Disulfide	0.007	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	NAv	Carbon Tetrachloride	0.007	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	NAv	Chlorobenzene	0.007	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	NAv	Chlorodibromomethane	0.007	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	NAv	Chloroethane	0.014	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	NAv	Chloroform	0.007	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	NAv	Chloromethane	0.014	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	NAv	Chlorotoluene[2-]	0.007	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	NAv	Chlorotoluene[4-]	0.007	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	NAv	Dibromo-3-chloropropane[1,2-]	0.014	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	NAv	Dibromoethane[1,2-]	0.007	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	NAv	Dibromomethane	0.007	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	NAv	Dichlorobenzene[1,2-]	0.007	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	NAv	Dichlorobenzene[1,3-]	0.007	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	NAv	Dichlorobenzene[1,4-]	0.007	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	NAv	Dichlorodifluoro methane	0.014	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	NAv	Dichloroethane[1,1-]	0.007	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	NAv	Dichloroethane[1,2-]	0.007	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	NAv	Dichloroethene[1,1-]	0.007	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	NAv	Dichloroethene [cis-1,2-]	0.007	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	NAv	Dichloroethene[trans-1,2-]	0.007	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	NAv	Dichloropropane[1,2-]	0.007	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	NAv	Dichloropropane[1,3-]	0.007	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	NAv	Dichloropropane[2,2-]	0.007	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	NAv	Dichloropropene[1,1-]	0.007	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	NAv	Dichloropropene [cis-1,3-]	0.007	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	NAv	Dichloropropene [trans-1,3-]	0.007	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	NAv	Ethylbenzene	0.007	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	NAv	Hexanone[2-]	0.028	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	NAv	Iodomethane	0.007	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	NAv	Isopropylbenzene	0.007	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	NAv	Isopropyltoluene[4-]	0.007	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	NAv	Methyl-2-pentanone[4-]	0.028	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	NAv	Methylene Chloride	0.007	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	NAv	Propylbenzene[1-]	0.007	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	NAv	Styrene	0.007	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	NAv	Tetrachloroethane [1,1,1,2-]	0.007	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	NAv	Tetrachloroethane [1,1,2,2-]	0.007	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	NAv	Tetrachloroethene	0.007	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	NAv	Toluene	0.007	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	NAv	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.007	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	NAv	Trichloroethane[1,1,1-]	0.007	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	NAv	Trichloroethane[1,1,2-]	0.007	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	NAv	Trichloroethene	0.007	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	NAv	Trichlorofluoromethane	0.014	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	NAv	Trichloropropane[1,2,3-]	0.007	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	NAv	Trimethylbenzene [1,2,4-]	0.007	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	NAv	Trimethylbenzene [1,3,5-]	0.007	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	NAv	Vinyl Chloride	0.014	MG/KG	U
16-018	16-1004	AAB1612	NAv	NAv	NAv	SED	NAv	Xylene (Total)	0.007	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	NAv	Acetone	0.04	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	NAv	Benzene	0.01	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	NAv	Bromobenzene	0.01	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	NAv	Bromochloromethane	0.01	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	NAv	Bromodichloromethane	0.01	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	NAv	Bromoform	0.01	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	NAv	Bromomethane	0.02	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	NAv	Butanone[2-]	0.04	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	NAv	Butylbenzene[n-]	0.01	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	NAv	Butylbenzene[sec-]	0.01	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	NAv	Butylbenzene[tert-]	0.01	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	NAv	Carbon Disulfide	0.01	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	NAv	Carbon Tetrachloride	0.01	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	NAv	Chlorobenzene	0.01	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	NAv	Chlorodibromomethane	0.01	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	NAv	Chloroethane	0.02	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	NAv	Chloroform	0.01	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	NAv	Chloromethane	0.02	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	NAv	Chlorotoluene[2-]	0.01	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	NAv	Chlorotoluene[4-]	0.01	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	NAv	Dibromo-3-chloropropane[1,2-]	0.02	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	NAv	Dibromoethane[1,2-]	0.01	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	NAv	Dibromomethane	0.01	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	NAv	Dichlorobenzene[1,2-]	0.01	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	NAv	Dichlorobenzene[1,3-]	0.01	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	NAv	Dichlorobenzene[1,4-]	0.01	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	NAv	Dichlorodifluoro methane	0.02	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	NAv	Dichloroethane[1,1-]	0.01	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	NAv	Dichloroethane[1,2-]	0.01	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	NAv	Dichloroethene[1,1-]	0.01	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	NAv	Dichloroethene [cis-1,2-]	0.01	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	NAv	Dichloroethene [trans-1,2-]	0.01	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	NAv	Dichloropropane[1,2-]	0.01	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	NAv	Dichloropropane[1,3-]	0.01	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	NAv	Dichloropropane[2,2-]	0.01	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	NAv	Dichloropropene[1,1-]	0.01	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	NAv	Dichloropropene [cis-1,3-]	0.01	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	NAv	Dichloropropene [trans-1,3-]	0.01	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	NAv	Ethylbenzene	0.01	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	NAv	Hexanone[2-]	0.04	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	NAv	Iodomethane	0.01	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	NAv	Isopropylbenzene	0.01	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	NAv	Isopropyltoluene[4-]	0.01	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	NAv	Methyl-2-pentanone[4-]	0.04	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	NAv	Methylene Chloride	0.01	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	NAv	Propylbenzene[1-]	0.01	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	NAv	Styrene	0.01	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	NAv	Tetrachloroethane [1,1,1,2-]	0.01	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	NAv	Tetrachloroethane [1,1,2,2-]	0.01	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	NAv	Tetrachloroethene	0.01	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	NAv	Toluene	0.01	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	NAv	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.01	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	NAv	Trichloroethane[1,1,1-]	0.01	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	NAv	Trichloroethane[1,1,2-]	0.01	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	NAv	Trichloroethene	0.01	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	NAv	Trichlorofluoromethane	0.02	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	NAv	Trichloropropane[1,2,3-]	0.01	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	NAv	Trimethylbenzene [1,2,4-]	0.01	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	NAv	Trimethylbenzene [1,3,5-]	0.01	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	NAv	Vinyl Chloride	0.02	MG/KG	U
16-018	16-1005	AAB1613	NAv	NAv	NAv	SED	NAv	Xylene (Total)	0.01	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	NAv	Acetone	0.03	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	NAv	Benzene	0.008	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	NAv	Bromobenzene	0.008	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	NAv	Bromochloromethane	0.008	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	NAv	Bromodichloromethane	0.008	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	NAv	Bromoform	0.008	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	NAv	Bromomethane	0.015	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	NAv	Butanone[2-]	0.03	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	NAv	Butylbenzene[n-]	0.008	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	NAv	Butylbenzene[sec-]	0.008	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	NAv	Butylbenzene[tert-]	0.008	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	NAv	Carbon Disulfide	0.008	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	NAv	Carbon Tetrachloride	0.008	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	NAv	Chlorobenzene	0.008	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	NAv	Chlorodibromomethane	0.008	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	NAv	Chloroethane	0.015	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	NAv	Chloroform	0.008	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	NAv	Chloromethane	0.015	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	NAv	Chlorotoluene[2-]	0.008	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	NAv	Chlorotoluene[4-]	0.008	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	NAv	Dibromo-3-chloropropane[1,2-]	0.015	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	NAv	Dibromoethane[1,2-]	0.008	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	NAv	Dibromomethane	0.008	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	NAv	Dichlorobenzene[1,2-]	0.008	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	NAv	Dichlorobenzene[1,3-]	0.008	MG/KG	U

Table I-3.0-4 (continued)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	NAv	Dichlorobenzene[1,4-]	0.008	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	NAv	Dichlorodifluoro methane	0.015	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	NAv	Dichloroethane[1,1-]	0.008	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	NAv	Dichloroethane[1,2-]	0.008	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	NAv	Dichloroethene[1,1-]	0.008	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	NAv	Dichloroethene [cis-1,2-]	0.008	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	NAv	Dichloroethene [trans-1,2-]	0.008	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	NAv	Dichloropropane[1,2-]	0.008	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	NAv	Dichloropropane[1,3-]	0.008	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	NAv	Dichloropropane[2,2-]	0.008	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	NAv	Dichloropropene[1,1-]	0.008	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	NAv	Dichloropropene [cis-1,3-]	0.008	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	NAv	Dichloropropene [trans-1,3-]	0.008	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	NAv	Ethylbenzene	0.008	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	NAv	Hexanone[2-]	0.03	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	NAv	Iodomethane	0.008	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	NAv	Isopropylbenzene	0.008	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	NAv	Isopropyltoluene[4-]	0.008	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	NAv	Methyl-2-pentanone[4-]	0.03	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	NAv	Methylene Chloride	0.008	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	NAv	Propylbenzene[1-]	0.008	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	NAv	Styrene	0.008	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	NAv	Tetrachloroethane [1,1,1,2-]	0.008	MG/KG	U

Table I-3.0-4 (concluded)

PRS ID	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Result	Reporting Units	Focus Validation Qualifier
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	NAv	Tetrachloroethane [1,1,2,2-]	0.008	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	NAv	Tetrachloroethene	0.008	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	NAv	Toluene	0.008	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	NAv	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.008	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	NAv	Trichloroethane[1,1,1-]	0.008	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	NAv	Trichloroethane[1,1,2-]	0.008	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	NAv	Trichloroethene	0.008	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	NAv	Trichlorofluoromethane	0.015	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	NAv	Trichloropropane[1,2,3-]	0.008	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	NAv	Trimethylbenzene [1,2,4-]	0.008	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	NAv	Trimethylbenzene [1,3,5-]	0.008	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	NAv	Vinyl Chloride	0.015	MG/KG	U
16-018	16-1006	AAB1614	NAv	NAv	NAv	SED	NAv	Xylene (Total)	0.008	MG/KG	U

Table I-3.0-5

Inorganic Chemicals in Alluvial Boreholes Sediments Samples

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	Aluminum	1550	MG/KG	none
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	Antimony	9.1	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	Arsenic	0.89	MG/KG	J
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	Barium	33.9	MG/KG	J
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	Beryllium	0.39	MG/KG	J
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	Cadmium	0.8	MG/KG	J
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	Calcium	754	MG/KG	J
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	Chromium, Total	2.1	MG/KG	J
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	Cobalt	0.61	MG/KG	J
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	Copper	3	MG/KG	J
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	Cyanide, Total	0.28	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	Iron	3940	MG/KG	none
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	Lead	3.7	MG/KG	none
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	Magnesium	286	MG/KG	J-
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	Manganese	189	MG/KG	none
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	Mercury	0.06	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	Nickel	2.4	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	Potassium	299	MG/KG	J
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	Selenium	0.33	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	Silver	0.9	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	Sodium	172	MG/KG	J
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	Thallium	0.17	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	Vanadium	3	MG/KG	J
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	Zinc	16.8	MG/KG	none
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	Aluminum	550	MG/KG	none
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	Antimony	8.9	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	Arsenic	0.41	MG/KG	J
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	Barium	10.4	MG/KG	J
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	Beryllium	0.39	MG/KG	J
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	Cadmium	0.79	MG/KG	J
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	Calcium	575	MG/KG	J
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	Chromium, Total	1.3	MG/KG	J

Table I-3.0-5
(continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	Cobalt	0.38	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	Copper	2.3	MG/KG	J
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	Cyanide, Total	0.29	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	Iron	1900	MG/KG	none
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	Lead	1.7	MG/KG	none
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	Magnesium	149	MG/KG	J-
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	Manganese	127	MG/KG	none
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	Mercury	0.06	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	Nickel	2.4	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	Potassium	190	MG/KG	J
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	Selenium	0.35	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	Silver	0.89	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	Sodium	135	MG/KG	J
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	Thallium	0.18	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	Vanadium	1	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	Zinc	10.7	MG/KG	none
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	Aluminum	1920	MG/KG	none
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	Antimony	0.75	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	Arsenic	1.9	MG/KG	J
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	Barium	200	MG/KG	none
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	Beryllium	0.71	MG/KG	J
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	Cadmium	0.04	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	Calcium	454	MG/KG	J
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	Chromium, Total	1.8	MG/KG	J
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	Cobalt	1.4	MG/KG	J
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	Copper	1.9	MG/KG	J
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	Cyanide, Total	0.6	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	Iron	4670	MG/KG	none
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	Lead	5.6	MG/KG	none
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	Magnesium	224	MG/KG	J
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	Manganese	234	MG/KG	none

Table I-3.0-5
(continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	Mercury	0.02	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	Nickel	1.9	MG/KG	J
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	Potassium	274	MG/KG	J
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	Selenium	0.57	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	Silver	0.15	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	Sodium	60.8	MG/KG	J
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	Thallium	0.57	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	Vanadium	5.6	MG/KG	J
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	Zinc	20	MG/KG	none
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	Aluminum	1120	MG/KG	none
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	Antimony	0.75	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	Arsenic	1.7	MG/KG	J
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	Barium	279	MG/KG	none
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	Beryllium	0.82	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	Cadmium	0.04	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	Calcium	355	MG/KG	J
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	Chromium, Total	8.3	MG/KG	none
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	Cobalt	1.8	MG/KG	J
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	Copper	3.9	MG/KG	J
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	Cyanide, Total	0.21	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	Iron	8640	MG/KG	none
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	Lead	6.8	MG/KG	none
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	Magnesium	206	MG/KG	J
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	Manganese	385	MG/KG	none
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	Mercury	0.02	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	Nickel	3.4	MG/KG	J
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	Potassium	288	MG/KG	J
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	Selenium	0.58	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	Silver	0.16	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	Sodium	154	MG/KG	J
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	Thallium	0.58	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	Vanadium	3.7	MG/KG	J

Table I-3.0-5
(continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	Zinc	43.3	MG/KG	none
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	Aluminum	1200	MG/KG	J
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	Antimony	11	MG/KG	UJ
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	Arsenic	2	MG/KG	J-
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	Barium	250	MG/KG	none
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	Beryllium	0.56	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	Cadmium	0.65	MG/KG	none
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	Calcium	340	MG/KG	none
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	Chromium, Total	5.6	MG/KG	none
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	Cobalt	1.1	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	Copper	2.2	MG/KG	none
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	Cyanide, Total	0.56	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	Iron	4500	MG/KG	J
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	Lead	22	MG/KG	J-
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	Magnesium	20	MG/KG	none
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	Manganese	300	MG/KG	J-
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	Mercury	0.11	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	Nickel	2.2	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	Potassium	290	MG/KG	none
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	Selenium	1.1	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	Silver	2.2	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	Sodium	170	MG/KG	none
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	Thallium	1.4	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	Vanadium	4	MG/KG	none
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	Zinc	43	MG/KG	J
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	Aluminum	4000	MG/KG	J
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	Antimony	11	MG/KG	UJ
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	Arsenic	2.7	MG/KG	J-
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	Barium	89	MG/KG	none
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	Beryllium	0.81	MG/KG	none
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	Cadmium	0.56	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	Calcium	780	MG/KG	none

Table I-3.0-5
(continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	Chromium, Total	7.2	MG/KG	none
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	Cobalt	1.1	MG/KG	none
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	Copper	4.9	MG/KG	none
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	Cyanide, Total	0.56	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	Iron	7600	MG/KG	J
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	Lead	22	MG/KG	J-
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	Magnesium	420	MG/KG	none
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	Manganese	380	MG/KG	J-
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	Mercury	0.11	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	Nickel	3.1	MG/KG	none
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	Potassium	440	MG/KG	none
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	Selenium	1.1	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	Silver	2.2	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	Sodium	82	MG/KG	none
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	Thallium	1.4	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	Vanadium	4.7	MG/KG	none
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	Zinc	64	MG/KG	J
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	Aluminum	2200	MG/KG	J
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	Antimony	12	MG/KG	UJ
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	Arsenic	3.6	MG/KG	J-
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	Barium	300	MG/KG	none
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	Beryllium	0.62	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	Cadmium	0.62	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	Calcium	510	MG/KG	none
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	Chromium, Total	2.1	MG/KG	none
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	Cobalt	1.6	MG/KG	none
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	Copper	1.6	MG/KG	none
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	Cyanide, Total	0.62	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	Iron	5900	MG/KG	J
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	Lead	5.2	MG/KG	J-
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	Magnesium	150	MG/KG	none
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	Manganese	320	MG/KG	J-

Table I-3.0-5
(continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	Mercury	0.12	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	Nickel	2.5	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	Potassium	260	MG/KG	none
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	Selenium	1.2	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	Silver	2.5	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	Sodium	75	MG/KG	none
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	Thallium	1.5	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	Vanadium	6.7	MG/KG	none
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	Zinc	23	MG/KG	J
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	Aluminum	1200	MG/KG	J
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	Antimony	12	MG/KG	UJ
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	Arsenic	2.1	MG/KG	J-
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	Barium	8.8	MG/KG	none
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	Beryllium	0.6	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	Cadmium	0.6	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	Calcium	360	MG/KG	none
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	Chromium, Total	1.2	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	Cobalt	1.2	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	Copper	1.2	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	Cyanide, Total	0.6	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	Iron	4300	MG/KG	J
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	Lead	2.4	MG/KG	J-
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	Magnesium	62	MG/KG	none
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	Manganese	150	MG/KG	J-
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	Mercury	0.12	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	Nickel	2.4	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	Potassium	130	MG/KG	none
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	Selenium	1.2	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	Silver	2.4	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	Sodium	35	MG/KG	none

Table I-3.0-5
(concluded)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	Thallium	1.5	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	Vanadium	2.9	MG/KG	none
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	Zinc	29	MG/KG	J

Table I-3.0-6

High Explosive Chemicals in Alluvial Boreholes Sediments Samples

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	Amino-4,6-dinitrotoluene[2-]	0.5	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	Dinitrobenzene[1,3-]	0.25	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	Dinitrotoluene[2,4-]	0.25	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	Dinitrotoluene[2,6-]	0.26	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	HMX	2.2	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	Nitrobenzene	0.26	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	RDX	1	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	Tetryl	0.75	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	Trinitrobenzene[1,3,5-]	0.25	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	Trinitrotoluene[2,4,6-]	0.25	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	Amino-4,6-dinitrotoluene[2-]	0.49	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	Dinitrobenzene[1,3-]	0.24	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	Dinitrotoluene[2,4-]	0.24	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	Dinitrotoluene[2,6-]	0.25	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	HMX	2.1	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	Nitrobenzene	0.25	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	Dinitrobenzene[1,3-]	0.097	MG/KG	J+
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	Dinitrotoluene[2,4-]	0.054	MG/KG	J+
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	Dinitrotoluene[2,6-]	0.064	MG/KG	J+
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	HMX	0.161	MG/KG	J+
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	Nitrobenzene	0.09	MG/KG	J+
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	Nitrotoluene[2-]	0.161	MG/KG	J+
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	Nitrotoluene[3-]	0.158	MG/KG	J+
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	Nitrotoluene[4-]	0.16	MG/KG	J+
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	RDX	0.161	MG/KG	J+
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	Tetryl	0.104	MG/KG	none
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	Trinitrobenzene[1,3,5-]	0.08	MG/KG	J+
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	Trinitrotoluene[2,4,6-]	0.084	MG/KG	J+
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	Amino-2,6-dinitrotoluene[4-]	0.25	MG/KG	U

Table I-3.0-6
(continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	Amino-4,6-dinitrotoluene[2-]	0.25	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	Dinitrobenzene[1,3-]	0.25	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	Dinitrotoluene[2,4-]	0.25	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	Dinitrotoluene[2,6-]	0.26	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	HMX	5.3	MG/KG	none
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	Nitrobenzene	0.26	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	Nitrotoluene[2-]	0.25	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	Nitrotoluene[3-]	0.25	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	Nitrotoluene[4-]	0.25	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	RDX	1	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	Tetryl	0.65	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	Trinitrobenzene[1,3,5-]	0.84	MG/KG	none
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	Trinitrotoluene[2,4,6-]	0.3	MG/KG	none
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	Amino-2,6-dinitrotoluene[4-]	0.25	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	Amino-4,6-dinitrotoluene[2-]	0.25	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	Dinitrobenzene[1,3-]	0.25	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	Dinitrotoluene[2,4-]	0.25	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	Dinitrotoluene[2,6-]	0.26	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	HMX	2.2	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	Nitrobenzene	0.26	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	Nitrotoluene[2-]	0.25	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	Nitrotoluene[3-]	0.25	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	Nitrotoluene[4-]	0.25	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	RDX	1	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	Tetryl	0.65	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	Trinitrobenzene[1,3,5-]	0.25	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	Trinitrotoluene[2,4,6-]	0.25	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	Amino-2,6-dinitrotoluene[4-]	0.25	MG/KG	U

Table I-3.0-6
(continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	Amino-4,6-dinitrotoluene[2-]	0.25	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	Dinitrobenzene[1,3-]	0.25	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	Dinitrotoluene[2,4-]	0.25	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	Dinitrotoluene[2,6-]	0.26	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	HMX	2.2	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	Nitrobenzene	0.26	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	Nitrotoluene[2-]	0.25	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	Nitrotoluene[3-]	0.25	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	Nitrotoluene[4-]	0.25	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	RDX	1	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	Tetryl	0.65	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	Trinitrobenzene[1,3,5-]	0.25	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	Trinitrotoluene[2,4,6-]	0.25	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	Amino-2,6-dinitrotoluene[4-]	0.25	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	Amino-4,6-dinitrotoluene[2-]	0.25	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	Dinitrobenzene[1,3-]	0.25	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	Dinitrotoluene[2,4-]	0.25	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	Dinitrotoluene[2,6-]	0.26	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	HMX	2.2	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	Nitrobenzene	0.26	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	Nitrotoluene[2-]	0.25	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	Nitrotoluene[3-]	0.25	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	Nitrotoluene[4-]	0.25	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	RDX	1	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	Tetryl	0.65	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	Trinitrobenzene[1,3,5-]	0.25	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	Trinitrotoluene[2,4,6-]	0.25	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	Amino-2,6-dinitrotoluene[4-]	0.25	MG/KG	U

Table I-3.0-6
(concluded)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	Amino-4,6-dinitrotoluene[2-]	0.25	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	Dinitrobenzene[1,3-]	0.25	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	Dinitrotoluene[2,4-]	0.25	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	Dinitrotoluene[2,6-]	0.26	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	HMX	2.2	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	Nitrobenzene	0.26	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	Nitrotoluene[2-]	0.25	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	Nitrotoluene[3-]	0.25	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	Nitrotoluene[4-]	0.25	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	RDX	1	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	Tetryl	0.65	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	Trinitrobenzene[1,3,5-]	0.25	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	Trinitrotoluene[2,4,6-]	0.25	MG/KG	U

Table I-3.0-7

Volatile and Semivolatile Chemcials in Alluvial Boreholes Sediment Samples

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Acenaphthene	0.37	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Acenaphthylene	0.37	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	VOAGCMS	Acetone	0.024	MG/KG	UJ
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Aniline	0.37	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Anthracene	0.37	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Azobenzene	0.37	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	VOAGCMS	Benzene	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Benzo(a)anthracene	0.37	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Benzo(a)pyrene	0.37	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Benzo(b)fluoranthene	0.37	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Benzo(g,h,i)perylene	0.37	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Benzo(k)fluoranthene	0.37	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Benzoic Acid	1.9	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Benzyl Alcohol	0.74	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Bis(2-chloroethoxy) methane	0.37	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Bis(2-chloroethyl)ether	0.37	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Bis(2-ethylhexyl) phthalate	0.18	MG/KG	J
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	VOAGCMS	Bromobenzene	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	VOAGCMS	Bromochloromethane	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	VOAGCMS	Bromodichloro-methane	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	VOAGCMS	Bromoform	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	VOAGCMS	Bromomethane	0.012	MG/KG	UJ
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Bromophenyl-Phenylether[4-]	0.37	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	VOAGCMS	Butanone[2-]	0.024	MG/KG	UJ
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	VOAGCMS	Butylbenzene[n-]	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	VOAGCMS	Butylbenzene[sec-]	0.006	MG/KG	UJ

Table I-3.0-7
(continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	VOAGCMS	Butylbenzene[tert-]	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Butylbenzylphthalate	0.37	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	VOAGCMS	Carbon Disulfide	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	VOAGCMS	Carbon Tetrachloride	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Chloro-3-methylphenol[4-]	0.74	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Chloroaniline[4-]	0.74	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	VOAGCMS	Chlorobenzene	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	VOAGCMS	Chlorodibromo-methane	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	VOAGCMS	Chloroethane	0.012	MG/KG	UJ
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	VOAGCMS	Chloroform	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	VOAGCMS	Chloromethane	0.012	MG/KG	UJ
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Chloronaphthalene[2-]	0.37	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Chlorophenol[2-]	0.37	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Chlorophenyl-phenyl[4-] Ether	0.37	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	VOAGCMS	Chlorotoluene[2-]	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	VOAGCMS	Chlorotoluene[4-]	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Chrysene	0.37	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Dibenz(a,h)-anthracene	0.37	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Dibenzofuran	0.37	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	VOAGCMS	Dibromo-3-chloropropane[1,2-]	0.012	MG/KG	UJ
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	VOAGCMS	Dibromoethane[1,2-]	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	VOAGCMS	Dibromomethane	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	VOAGCMS	Dichlorobenzene[1,2-]	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Dichlorobenzene[1,2-]	0.37	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	VOAGCMS	Dichlorobenzene[1,3-]	0.006	MG/KG	UJ

Table I-3.0-7
(continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Dichlorobenzene[1,3-]	0.37	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	VOAGCMS	Dichlorobenzene[1,4-]	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Dichlorobenzene[1,4-]	0.37	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Dichloro-benzidine[3,3'-]	0.74	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	VOAGCMS	Dichloro-difluoromethane	0.012	MG/KG	UJ
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	VOAGCMS	Dichloroethane[1,1-]	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	VOAGCMS	Dichloroethane[1,2-]	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	VOAGCMS	Dichloroethene[1,1-]	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	VOAGCMS	Dichloro-ethene[cis-1,2-]	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	VOAGCMS	Dichloroethene [trans-1,2-]	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Dichlorophenol[2,4-]	0.37	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	VOAGCMS	Dichloropropane[1,2-]	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	VOAGCMS	Dichloropropane[1,3-]	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	VOAGCMS	Dichloropropane[2,2-]	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	VOAGCMS	Dichloropropene[1,1-]	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	VOAGCMS	Dichloropropene [cis-1,3-]	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	VOAGCMS	Dichloropropene [trans-1,3-]	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Diethylphthalate	0.37	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Dimethyl Phthalate	0.37	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Dimethylphenol[2,4-]	0.37	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Di-n-butylphthalate	0.37	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Dinitro-2-methylphenol[4,6-]	1.9	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Dinitrophenol[2,4-]	1.9	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Dinitrotoluene[2,4-]	0.37	MG/KG	U

Table I-3.0-7
(continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Dinitrotoluene[2,6-]	0.37	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Di-n-octylphthalate	0.37	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	VOAGCMS	Ethylbenzene	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Fluoranthene	0.37	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Fluorene	0.37	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Hexachlorobenzene	0.37	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Hexachlorobutadiene	0.37	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Hexachlorocyclo-pentadiene	0.37	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Hexachloroethane	0.37	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	VOAGCMS	Hexanone[2-]	0.024	MG/KG	UJ
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Indeno(1,2,3-cd)pyrene	0.37	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	VOAGCMS	Iodomethane	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Isophorone	0.37	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	VOAGCMS	Isopropylbenzene	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	VOAGCMS	Isopropyltoluene[4-]	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	VOAGCMS	Methyl-2 -pentanone[4-]	0.024	MG/KG	UJ
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	VOAGCMS	Methylene Chloride	0.01	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Methylnaphthalene[2-]	0.37	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Methylphenol[2-]	0.37	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Methylphenol[4-]	0.37	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Naphthalene	0.37	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Nitroaniline[2-]	1.9	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Nitroaniline[3-]	1.9	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Nitroaniline[4-]	0.74	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Nitrobenzene	0.37	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Nitrophenol[2-]	0.37	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Nitrophenol[4-]	1.9	MG/KG	U

Table I-3.0-7
(continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Nitrosodimethylamine [N-]	0.37	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Nitroso-di-n-propylamine [N-]	0.37	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Nitrosodi-phenylamine[N-]	0.37	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Oxybis(1-chloropropane)[2,2'-]	0.37	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Pentachlorophenol	1.9	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Phenanthrene	0.37	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Phenol	0.37	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	VOAGCMS	Propylbenzene[1-]	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Pyrene	0.37	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	VOAGCMS	Styrene	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	VOAGCMS	Tetrachloroethane [1,1,1,2-]	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	VOAGCMS	Tetrachloroethane [1,1,2,2-]	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	VOAGCMS	Tetrachloroethene	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	VOAGCMS	Toluene	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	VOAGCMS	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Trichloro-benzene[1,2,4-]	0.37	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	VOAGCMS	Trichloro-ethane[1,1,1-]	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	VOAGCMS	Trichloro-ethane[1,1,2-]	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	VOAGCMS	Trichloroethene	0.006	MG/KG	UJ

Table I-3.0-7
(continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	VOAGCMS	Trichloro-fluoromethane	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Trichlorophenol[2,4,5-]	1.9	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	SEMI	Trichlorophenol[2,4,6-]	0.37	MG/KG	U
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	VOAGCMS	Trichloro-propane[1,2,3-]	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	VOAGCMS	Trimethylbenzene [1,2,4-]	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	VOAGCMS	Trimethylbenzene [1,3,5-]	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	VOAGCMS	Vinyl Chloride	0.012	MG/KG	UJ
16-021(c)	16-2655	0316-97-0401	75	87	IN	QBT4	VOAGCMS	Xylene (Total)	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Acenaphthene	0.39	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Acenaphthylene	0.39	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	VOAGCMS	Acetone	0.024	MG/KG	UJ
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Aniline	0.39	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Anthracene	0.39	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Azobenzene	0.39	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	VOAGCMS	Benzene	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Benzo(a)anthracene	0.39	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Benzo(a)pyrene	0.39	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Benzo(b)fluoranthene	0.39	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Benzo(g,h,i)perylene	0.39	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Benzo(k)fluoranthene	0.39	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Benzoic Acid	2	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Benzyl Alcohol	0.78	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Bis(2-chloroethoxy) methane	0.39	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Bis(2-chloroethyl)ether	0.39	MG/KG	U

Table I-3.0-7
(continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Bis(2-ethylhexyl) phthalate	0.39	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	VOAGCMS	Bromobenzene	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	VOAGCMS	Bromochloromethane	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	VOAGCMS	Bromodichloro-methane	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	VOAGCMS	Bromoform	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	VOAGCMS	Bromomethane	0.012	MG/KG	UJ
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Bromophenyl-phenylether[4-]	0.39	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	VOAGCMS	Butanone[2-]	0.024	MG/KG	UJ
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	VOAGCMS	Butylbenzene[n-]	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	VOAGCMS	Butylbenzene[sec-]	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	VOAGCMS	Butylbenzene[tert-]	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Butylbenzylphthalate	0.39	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	VOAGCMS	Carbon Disulfide	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	VOAGCMS	Carbon Tetrachloride	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Chloro-3-methylphenol [4-]	0.78	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Chloroaniline[4-]	0.78	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	VOAGCMS	Chlorobenzene	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	VOAGCMS	Chlorodibromo-methane	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	VOAGCMS	Chloroethane	0.012	MG/KG	UJ
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	VOAGCMS	Chloroform	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	VOAGCMS	Chloromethane	0.012	MG/KG	UJ
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Chloronaphthalene[2-]	0.39	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Chlorophenol[2-]	0.39	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Chlorophenyl-phenyl[4-] Ether	0.39	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	VOAGCMS	Chlorotoluene[2-]	0.006	MG/KG	UJ

Table I-3.0-7
(continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	VOAGCMS	Chlorotoluene[4-]	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Chrysene	0.39	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Dibenz(a,h)-anthracene	0.39	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Dibenzofuran	0.39	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	VOAGCMS	Dibromo-3-chloropropane[1,2-]	0.012	MG/KG	UJ
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	VOAGCMS	Dibromoethane[1,2-]	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	VOAGCMS	Dibromomethane	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	VOAGCMS	Dichlorobenzene[1,2-]	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Dichlorobenzene[1,2-]	0.39	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	VOAGCMS	Dichlorobenzene[1,3-]	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Dichlorobenzene[1,3-]	0.39	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	VOAGCMS	Dichlorobenzene[1,4-]	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Dichlorobenzene[1,4-]	0.39	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Dichloro-benzidine[3,3'-]	0.78	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	VOAGCMS	Dichloro-difluoromethane	0.012	MG/KG	UJ
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	VOAGCMS	Dichloroethane[1,1-]	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	VOAGCMS	Dichloroethane[1,2-]	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	VOAGCMS	Dichloroethene[1,1-]	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	VOAGCMS	Dichloro-ethene[cis-1,2-]	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	VOAGCMS	Dichloroethene [trans-1,2-]	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Dichlorophenol[2,4-]	0.39	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	VOAGCMS	Dichloropropane[1,2-]	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	VOAGCMS	Dichloropropane[1,3-]	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	VOAGCMS	Dichloropropane[2,2-]	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	VOAGCMS	Dichloropropene[1,1-]	0.006	MG/KG	UJ

Table I-3.0-7
(continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	VOAGCMS	Dichloropropene [cis-1,3-]	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	VOAGCMS	Dichloropropene [trans-1,3-]	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Diethylphthalate	0.39	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Dimethyl Phthalate	0.39	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Dimethylphenol[2,4-]	0.39	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Di-n-butylphthalate	0.39	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Dinitro-2-methylphenol[4,6-]	2	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Dinitrophenol[2,4-]	2	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Dinitrotoluene[2,4-]	0.39	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Dinitrotoluene[2,6-]	0.39	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Di-n-octylphthalate	0.39	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	VOAGCMS	Ethylbenzene	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Fluoranthene	0.39	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Fluorene	0.39	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Hexachlorobenzene	0.39	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Hexachlorobutadiene	0.39	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Hexachloro-cyclopentadiene	0.39	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Hexachloroethane	0.39	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	VOAGCMS	Hexanone[2-]	0.024	MG/KG	UJ
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Indeno(1,2,3-cd)pyrene	0.39	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	VOAGCMS	Iodomethane	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Isophorone	0.39	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	VOAGCMS	Isopropylbenzene	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	VOAGCMS	Isopropyltoluene[4-]	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	VOAGCMS	Methyl-2-pentanone[4-]	0.024	MG/KG	UJ

Table I-3.0-7
(continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	VOAGCMS	Methylene Chloride	0.011	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Methylnaphthalene[2-]	0.39	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Methylphenol[2-]	0.39	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Methylphenol[4-]	0.39	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Naphthalene	0.39	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Nitroaniline[2-]	2	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Nitroaniline[3-]	2	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Nitroaniline[4-]	0.78	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Nitrobenzene	0.39	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Nitrophenol[2-]	0.39	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Nitrophenol[4-]	2	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Nitrosodi-methylamine[N-]	0.39	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Nitroso-di-n-propylamine [N-]	0.39	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Nitrosodi-phenylamine[N-]	0.39	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Oxybis (1-chloro-propane)[2,2'-]	0.39	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Pentachlorophenol	2	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Phenanthrene	0.39	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Phenol	0.39	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	VOAGCMS	Propylbenzene[1-]	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Pyrene	0.39	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	VOAGCMS	Styrene	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	VOAGCMS	Tetrachloroethane [1,1,1,2-]	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	VOAGCMS	Tetrachloroethane [1,1,2,2-]	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	VOAGCMS	Tetrachloroethene	0.006	MG/KG	UJ

Table I-3.0-7
(continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	VOAGCMS	Toluene	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	VOAGCMS	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Trichloro-benzene[1,2,4-]	0.39	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	VOAGCMS	Trichloro-ethane[1,1,1-]	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	VOAGCMS	Trichloro-ethane[1,1,2-]	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	VOAGCMS	Trichloroethene	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	VOAGCMS	Trichloro-fluoromethane	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Trichlorophenol[2,4,5-]	2	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	SEMI	Trichlorophenol[2,4,6-]	0.39	MG/KG	U
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	VOAGCMS	Trichloro-propane[1,2,3-]	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	VOAGCMS	Trimethylbenzene [1,2,4-]	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	VOAGCMS	Trimethylbenzene [1,3,5-]	0.006	MG/KG	UJ
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	VOAGCMS	Vinyl Chloride	0.012	MG/KG	UJ
16-021(c)	16-2655	0316-97-0402	132	144	IN	QBT4	VOAGCMS	Xylene (Total)	0.006	MG/KG	UJ
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Acenaphthene	0.37	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Acenaphthylene	0.37	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	VOAGCMS	Acetone	0.37	MG/KG	J
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Aniline	0.73	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Anthracene	0.37	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Azobenzene	0.73	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	VOAGCMS	Benzene	0.027	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Benzidine	0.37	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Benzo(a)anthracene	0.37	MG/KG	U

Table I-3.0-7
(continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Benzo(a)pyrene	0.37	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Benzo(b)fluoranthene	0.37	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Benzo(g,h,i)perylene	0.37	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Benzoic Acid	1.8	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Benzyl Alcohol	0.73	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Bis(2-chloroethoxy) methane	0.37	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Bis(2-chloroethyl)ether	0.37	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Bis(2-ethylhexyl) phthalate	0.37	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	VOAGCMS	Bromobenzene	0.027	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	VOAGCMS	Bromochloromethane	0.027	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	VOAGCMS	Bromo-dichloromethane	0.027	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	VOAGCMS	Bromoform	0.027	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	VOAGCMS	Bromomethane	0.055	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Bromophenyl-phenylether[4-]	0.37	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	VOAGCMS	Butanone[2-]	0.11	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	VOAGCMS	Butylbenzene[n-]	0.027	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	VOAGCMS	Butylbenzene[sec-]	0.027	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	VOAGCMS	Butylbenzene[tert-]	0.027	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Butylbenzylphthalate	0.37	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Carbazole	0.37	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	VOAGCMS	Carbon Disulfide	0.027	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	VOAGCMS	Carbon Tetrachloride	0.027	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Chloro-3-methylphenol[4-]	0.73	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Chloroaniline[4-]	0.73	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	VOAGCMS	Chlorobenzene	0.027	MG/KG	U

Table I-3.0-7
(continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	VOAGCMS	Chlorodibro-momethane	0.027	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	VOAGCMS	Chloroethane	0.055	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	VOAGCMS	Chloroform	0.027	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	VOAGCMS	Chloromethane	0.055	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Chloronaphthalene[2-]	0.37	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Chlorophenol[2-]	0.37	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Chlorophenyl-phenyl[4-] Ether	0.37	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	VOAGCMS	Chlorotoluene[2-]	0.027	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	VOAGCMS	Chlorotoluene[4-]	0.027	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Chrysene	0.37	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Dibenz(a,h)-anthracene	0.37	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Dibenzofuran	0.37	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	VOAGCMS	Dibromo-3-chloropropane[1,2-]	0.055	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	VOAGCMS	Dibromoethane[1,2-]	0.027	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	VOAGCMS	Dibromomethane	0.027	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	VOAGCMS	Dichlorobenzene[1,2-]	0.027	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Dichlorobenzene[1,2-]	0.37	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	VOAGCMS	Dichlorobenzene[1,3-]	0.027	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Dichlorobenzene[1,3-]	0.37	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	VOAGCMS	Dichlorobenzene[1,4-]	0.027	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Dichlorobenzene[1,4-]	0.37	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Dichloro-benzidine[3,3'-]	0.73	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	VOAGCMS	Dichloro-difluoromethane	0.055	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	VOAGCMS	Dichloroethane[1,1-]	0.027	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	VOAGCMS	Dichloroethane[1,2-]	0.027	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	VOAGCMS	Dichloroethene[1,1-]	0.027	MG/KG	U

Table I-3.0-7
(continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	VOAGCMS	Dichloro-ethene[cis-1,2-]	0.027	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	VOAGCMS	Dichloroethene [trans-1,2-]	0.027	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Dichlorophenol[2,4-]	0.37	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	VOAGCMS	Dichloropropane[1,2-]	0.027	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	VOAGCMS	Dichloropropane[1,3-]	0.027	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	VOAGCMS	Dichloropropane[2,2-]	0.027	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	VOAGCMS	Dichloropropene[1,1-]	0.027	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	VOAGCMS	Dichloropropene [cis-1,3-]	0.027	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	VOAGCMS	Dichloropropene [trans-1,3-]	0.027	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Diethylphthalate	0.37	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Dimethyl Phthalate	0.37	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Dimethylphenol[2,4-]	0.37	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Di-n-butylphthalate	0.37	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Dinitro-2-methylphenol[4,6-]	1.8	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Dinitrophenol[2,4-]	1.8	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Dinitrotoluene[2,4-]	0.37	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Dinitrotoluene[2,6-]	0.37	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Di-n-octylphthalate	0.37	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	VOAGCMS	Ethylbenzene	0.027	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Fluoranthene	0.37	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Fluorene	0.37	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Hexachlorobenzene	0.37	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	VOAGCMS	Hexachlorobutadiene	0.027	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Hexachlorobutadiene	0.37	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Hexachlorocyclo-pentadiene	0.37	MG/KG	U

Table I-3.0-7
(continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Hexachloroethane	0.37	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	VOAGCMS	Hexanone[2-]	0.11	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Indeno(1,2,3-cd)pyrene	0.37	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	VOAGCMS	Iodomethane	0.027	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Isophorone	0.37	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	VOAGCMS	Isopropylbenzene	0.027	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	VOAGCMS	Isopropyltoluene[4-]	0.027	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	VOAGCMS	Methyl-2-pentanone[4-]	0.11	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	VOAGCMS	Methylene Chloride	0.027	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Methylnaphthalene[2-]	0.37	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Methylphenol[2-]	0.37	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Methylphenol[4-]	0.37	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	VOAGCMS	Naphthalene	0.027	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Naphthalene	0.37	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Nitroaniline[2-]	1.8	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Nitroaniline[3-]	1.8	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Nitroaniline[4-]	0.73	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Nitrobenzene	0.37	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Nitrophenol[2-]	0.37	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Nitrophenol[4-]	1.8	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Nitrosodimethyl-amine[N-]	0.37	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Nitroso-di-n-propylamine[N-]	0.37	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Nitrosodiphenyl-amine[N-]	0.37	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Oxybis(1-chloro-propane)[2,2'-]	0.37	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Pentachlorophenol	1.8	MG/KG	U

Table I-3.0-7
(continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Phenanthrene	0.37	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Phenol	0.37	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	VOAGCMS	Propylbenzene[1-]	0.027	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Pyrene	0.37	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Pyridine	0.37	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	VOAGCMS	Styrene	0.027	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	VOAGCMS	Tetrachloroethane [1,1,1,2-]	0.027	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	VOAGCMS	Tetrachloroethane [1,1,2,2-]	0.027	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	VOAGCMS	Tetrachloroethene	0.027	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	VOAGCMS	Toluene	0.027	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	VOAGCMS	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.027	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	VOAGCMS	Trichloro-benzene[1,2,3-]	0.027	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	VOAGCMS	Trichloro-benzene[1,2,4-]	0.027	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Trichloro-benzene[1,2,4-]	0.37	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	VOAGCMS	Trichloro-ethane[1,1,1-]	0.027	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	VOAGCMS	Trichloro-ethane[1,1,2-]	0.027	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	VOAGCMS	Trichloroethene	0.027	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	VOAGCMS	Trichloro-fluoromethane	0.027	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Trichloro-phenol[2,4,5-]	1.8	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	SEMI	Trichlorophenol[2,4,6-]	0.37	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	VOAGCMS	Trichloro-propane[1,2,3-]	0.027	MG/KG	U

Table I-3.0-7
(continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	VOAGCMS	Trimethylbenzene [1,2,4-]	0.027	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	VOAGCMS	Trimethylbenzene [1,3,5-]	0.027	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	VOAGCMS	Vinyl Chloride	0.055	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	VOAGCMS	Xylene (Total)	0.027	MG/KG	U
16-021(c)	16-2656	0316-97-0404	36	42	IN	SED	VOAGCMS	Xylene[1,2-]	0.027	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Acenaphthene	0.37	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Acenaphthylene	0.37	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	VOAGCMS	Acetone	0.15	MG/KG	none
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Aniline	0.74	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Anthracene	0.37	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Azobenzene	0.74	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	VOAGCMS	Benzene	0.0055	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Benzidine	0.37	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Benzo(a)anthracene	0.37	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Benzo(a)pyrene	0.37	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Benzo(b)fluoranthene	0.37	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Benzo(g,h,i)perylene	0.37	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Benzoic Acid	1.8	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Benzyl Alcohol	0.74	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Bis(2-chloroethoxy) methane	0.37	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Bis(2-chloroethyl)ether	0.37	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Bis(2-ethylhexyl) phthalate	0.37	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	VOAGCMS	Bromobenzene	0.0055	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	VOAGCMS	Bromochloromethane	0.0055	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	VOAGCMS	Bromodichloro-methane	0.0055	MG/KG	U

Table I-3.0-7
(continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	VOAGCMS	Bromoform	0.0055	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	VOAGCMS	Bromomethane	0.011	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Bromophenyl-phenylether[4-]	0.37	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	VOAGCMS	Butanone[2-]	0.022	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	VOAGCMS	Butylbenzene[n-]	0.0055	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	VOAGCMS	Butylbenzene[sec-]	0.0055	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	VOAGCMS	Butylbenzene[tert-]	0.0055	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Butylbenzylphthalate	0.37	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Carbazole	0.37	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	VOAGCMS	Carbon Disulfide	0.0055	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	VOAGCMS	Carbon Tetrachloride	0.0055	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Chloro-3-methylphenol [4-]	0.74	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Chloroaniline[4-]	0.74	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	VOAGCMS	Chlorobenzene	0.0055	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	VOAGCMS	Chlorodibromo-methane	0.0055	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	VOAGCMS	Chloroethane	0.011	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	VOAGCMS	Chloroform	0.0055	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	VOAGCMS	Chloromethane	0.011	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Chloronaphthalene[2-]	0.37	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Chlorophenol[2-]	0.37	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Chlorophenyl-phenyl[4-] Ether	0.37	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	VOAGCMS	Chlorotoluene[2-]	0.0055	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	VOAGCMS	Chlorotoluene[4-]	0.0055	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Chrysene	0.37	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Dibenz(a,h)-anthracene	0.37	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Dibenzofuran	0.37	MG/KG	U

Table I-3.0-7
(continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	VOAGCMS	Dibromo-3-chloropropane[1,2-]	0.011	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	VOAGCMS	Dibromoethane[1,2-]	0.0055	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	VOAGCMS	Dibromomethane	0.0055	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	VOAGCMS	Dichlorobenzene[1,2-]	0.0055	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Dichlorobenzene[1,2-]	0.37	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	VOAGCMS	Dichlorobenzene[1,3-]	0.0055	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Dichlorobenzene[1,3-]	0.37	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	VOAGCMS	Dichlorobenzene[1,4-]	0.0055	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Dichlorobenzene[1,4-]	0.37	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Dichloro-benzidine[3,3'-]	0.74	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	VOAGCMS	Dichlorodifluoro-methane	0.011	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	VOAGCMS	Dichloroethane[1,1-]	0.0055	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	VOAGCMS	Dichloroethane[1,2-]	0.0055	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	VOAGCMS	Dichloroethene[1,1-]	0.0055	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	VOAGCMS	Dichloro-ethene[cis-1,2-]	0.0055	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	VOAGCMS	Dichloroethene [trans-1,2-]	0.0055	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Dichlorophenol[2,4-]	0.37	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	VOAGCMS	Dichloropropane[1,2-]	0.0055	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	VOAGCMS	Dichloropropane[1,3-]	0.0055	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	VOAGCMS	Dichloropropane[2,2-]	0.0055	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	VOAGCMS	Dichloropropene[1,1-]	0.0055	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	VOAGCMS	Dichloropropene [cis-1,3-]	0.0055	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	VOAGCMS	Dichloropropene [trans-1,3-]	0.0055	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Diethylphthalate	0.37	MG/KG	U

Table I-3.0-7
(continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Dimethyl Phthalate	0.37	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Dimethylphenol[2,4-]	0.37	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Di-n-butylphthalate	0.37	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Dinitro-2-methylphenol[4,6-]	1.8	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Dinitrophenol[2,4-]	1.8	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Dinitrotoluene[2,4-]	0.37	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Dinitrotoluene[2,6-]	0.37	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Di-n-octylphthalate	0.37	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	VOAGCMS	Ethylbenzene	0.0055	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Fluoranthene	0.37	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Fluorene	0.37	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Hexachlorobenzene	0.37	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	VOAGCMS	Hexachlorobutadiene	0.0055	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Hexachlorobutadiene	0.37	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Hexachloro-cyclopentadiene	0.37	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Hexachloroethane	0.37	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	VOAGCMS	Hexanone[2-]	0.022	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Indeno(1,2,3-cd)pyrene	0.37	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	VOAGCMS	Iodomethane	0.0055	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Isophorone	0.37	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	VOAGCMS	Isopropylbenzene	0.0055	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	VOAGCMS	Isopropyltoluene[4-]	0.0055	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	VOAGCMS	Methyl-2-pen-tanone[4-]	0.022	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	VOAGCMS	Methylene Chloride	0.0036	MG/KG	J
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Methylnaphthalene[2-]	0.37	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Methylphenol[2-]	0.37	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Methylphenol[4-]	0.37	MG/KG	U

Table I-3.0-7
(continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	VOAGCMS	Naphthalene	0.0055	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Naphthalene	0.37	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Nitroaniline[2-]	1.8	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Nitroaniline[3-]	1.8	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Nitroaniline[4-]	0.74	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Nitrobenzene	0.37	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Nitrophenol[2-]	0.37	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Nitrophenol[4-]	1.8	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Nitrosodimethyl-amine[N-]	0.37	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Nitroso-di-n-propylamine[N-]	0.37	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Nitrosodiphenyl-amine[N-]	0.37	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Oxybis(1-chloropropane)[2,2'-]	0.37	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Pentachlorophenol	1.8	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Phenanthrene	0.37	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Phenol	0.37	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	VOAGCMS	Propylbenzene[1-]	0.0055	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Pyrene	0.37	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Pyridine	0.37	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	VOAGCMS	Styrene	0.0055	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	VOAGCMS	Tetrachloroethane [1,1,1,2-]	0.0055	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	VOAGCMS	Tetrachloroethane [1,1,2,2-]	0.0055	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	VOAGCMS	Tetrachloroethene	0.0055	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	VOAGCMS	Toluene	0.0055	MG/KG	U

Table I-3.0-7
(continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	VOAGCMS	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.0055	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	VOAGCMS	Trichloro-benzene[1,2,3-]	0.0055	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	VOAGCMS	Trichloro-benzene[1,2,4-]	0.0055	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Trichloro-benzene[1,2,4-]	0.37	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	VOAGCMS	Trichloro-ethane[1,1,1-]	0.0055	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	VOAGCMS	Trichloro-ethane[1,1,2-]	0.0055	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	VOAGCMS	Trichloroethene	0.0055	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	VOAGCMS	Trichloro-fluoromethane	0.0055	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Trichlorophenol[2,4,5-]	1.8	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	SEMI	Trichlorophenol[2,4,6-]	0.37	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	VOAGCMS	Trichloro-propane[1,2,3-]	0.0055	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	VOAGCMS	Trimethylbenzene [1,2,4-]	0.0055	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	VOAGCMS	Trimethylbenzene [1,3,5-]	0.0055	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	VOAGCMS	Vinyl Chloride	0.011	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	VOAGCMS	Xylene (Total)	0.011	MG/KG	U
16-021(c)	16-2657	0316-97-0407	97.2	109.2	IN	QBT4	VOAGCMS	Xylene[1,2-]	0.0055	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Acenaphthene	0.37	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Acenaphthylene	0.37	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	VOAGCMS	Acetone	0.15	MG/KG	none
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Aniline	0.74	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Anthracene	0.37	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Azobenzene	0.74	MG/KG	U

Table I-3.0-7
(continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	VOAGCMS	Benzene	0.0056	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Benzo(a)anthracene	0.37	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Benzo(a)pyrene	0.37	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Benzo(b)fluoranthene	0.37	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Benzo(g,h,i)perylene	0.37	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Benzo(k)fluoranthene	0.37	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Benzoic Acid	3.7	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Benzyl Alcohol	1.5	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Bis(2-chloroethoxy) methane	0.37	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Bis(2-chloroethyl)ether	0.37	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Bis(2-ethylhexyl) phthalate	0.37	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	VOAGCMS	Bromobenzene	0.0056	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	VOAGCMS	Bromochloromethane	0.0056	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	VOAGCMS	Bromodichloro-methane	0.0056	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	VOAGCMS	Bromoform	0.0056	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	VOAGCMS	Bromomethane	0.011	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Bromophenyl-phenylether[4-]	0.37	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	VOAGCMS	Butanone[2-]	0.022	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	VOAGCMS	Butylbenzene[n-]	0.0056	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	VOAGCMS	Butylbenzene[sec-]	0.0056	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	VOAGCMS	Butylbenzene[tert-]	0.0056	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Butylbenzylphthalate	0.37	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	VOAGCMS	Carbon Disulfide	0.0056	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	VOAGCMS	Carbon Tetrachloride	0.0056	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Chloro-3-methyl-phenol[4-]	0.74	MG/KG	U

Table I-3.0-7
(continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Chloroaniline[4-]	1.5	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	VOAGCMS	Chlorobenzene	0.0056	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	VOAGCMS	Chlorodibromo-methane	0.0056	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	VOAGCMS	Chloroethane	0.011	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	VOAGCMS	Chloroform	0.0056	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	VOAGCMS	Chloromethane	0.011	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Chloronaphthalene[2-]	0.37	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Chlorophenol[2-]	0.37	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Chlorophenyl-phenyl[4-] Ether	0.37	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	VOAGCMS	Chlorotoluene[2-]	0.0056	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	VOAGCMS	Chlorotoluene[4-]	0.0056	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Chrysene	0.37	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Dibenz(a,h)-anthracene	0.37	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Dibenzofuran	0.37	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	VOAGCMS	Dibromo-3-chloropropane[1,2-]	0.011	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	VOAGCMS	Dibromoethane[1,2-]	0.0056	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	VOAGCMS	Dibromomethane	0.0056	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	VOAGCMS	Dichlorobenzene[1,2-]	0.0056	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Dichlorobenzene[1,2-]	0.37	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	VOAGCMS	Dichlorobenzene[1,3-]	0.0056	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Dichlorobenzene[1,3-]	0.37	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	VOAGCMS	Dichlorobenzene[1,4-]	0.0056	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Dichlorobenzene[1,4-]	0.37	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Dichloro-benzidine[3,3'-]	0.74	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	VOAGCMS	Dichloro-difluoromethane	0.011	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	VOAGCMS	Dichloroethane[1,1-]	0.0056	MG/KG	U

Table I-3.0-7
(continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	VOAGCMS	Dichloroethane[1,2-]	0.0056	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	VOAGCMS	Dichloroethene[1,1-]	0.0056	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	VOAGCMS	Dichloroethene[cis-1,2-]	0.011	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	VOAGCMS	Dichloroethene [trans-1,2-]	0.011	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Dichlorophenol[2,4-]	0.37	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	VOAGCMS	Dichloropropane[1,2-]	0.0056	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	VOAGCMS	Dichloropropane[1,3-]	0.0056	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	VOAGCMS	Dichloropropane[2,2-]	0.0056	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	VOAGCMS	Dichloropropene[1,1-]	0.0056	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	VOAGCMS	Dichloropropene [cis-1,3-]	0.0056	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	VOAGCMS	Dichloropropene [trans-1,3-]	0.0056	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Diethylphthalate	0.37	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Dimethyl Phthalate	0.37	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Dimethylphenol[2,4-]	0.37	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Di-n-butylphthalate	0.37	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Dinitro-2-methylphenol[4,6-]	1.8	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Dinitrophenol[2,4-]	1.8	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Dinitrotoluene[2,4-]	0.37	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Dinitrotoluene[2,6-]	0.37	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Di-n-octylphthalate	0.37	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	VOAGCMS	Ethylbenzene	0.0056	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Fluoranthene	0.37	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Fluorene	0.37	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Hexachlorobenzene	0.37	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Hexachlorobutadiene	0.37	MG/KG	U

Table I-3.0-7
(continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Hexachlorocyclo-pentadiene	0.37	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Hexachloroethane	0.37	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	VOAGCMS	Hexanone[2-]	0.022	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Indeno(1,2,3-cd)pyrene	0.37	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	VOAGCMS	Iodomethane	0.0056	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Isophorone	0.37	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	VOAGCMS	Isopropylbenzene	0.0056	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	VOAGCMS	Isopropyltoluene[4-]	0.0056	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	VOAGCMS	Methyl-2-penta-none[4-]	0.022	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	VOAGCMS	Methylene Chloride	0.0056	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Methylnaphthalene[2-]	0.37	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Methylphenol[2-]	0.37	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Methylphenol[4-]	0.37	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Naphthalene	0.37	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Nitroaniline[2-]	1.8	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Nitroaniline[3-]	1.8	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Nitroaniline[4-]	0.74	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Nitrobenzene	0.37	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Nitrophenol[2-]	0.37	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Nitrophenol[4-]	1.8	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Nitrosodimethyl-amine[N-]	0.37	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Nitroso-di-n-propylamine[N-]	0.37	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Nitrosodiphenyl-amine[N-]	0.37	MG/KG	U

Table I-3.0-7
(continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Oxybis(1-chloropropane)[2,2'-]	0.37	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Pentachlorophenol	1.8	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Phenanthrene	0.37	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Phenol	0.37	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	VOAGCMS	Propylbenzene[1-]	0.0056	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Pyrene	0.37	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	VOAGCMS	Styrene	0.0056	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	VOAGCMS	Tetrachloroethane [1,1,1,2-]	0.0056	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	VOAGCMS	Tetrachloroethane [1,1,2,2-]	0.0056	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	VOAGCMS	Tetrachloroethene	0.0056	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	VOAGCMS	Toluene	0.0056	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	VOAGCMS	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.0056	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Trichloro-benzene[1,2,4-]	0.37	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	VOAGCMS	Trichloro-ethane[1,1,1-]	0.0056	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	VOAGCMS	Trichloroethane[1,1,2-]	0.0056	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	VOAGCMS	Trichloroethene	0.0056	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	VOAGCMS	Trichloro-fluoromethane	0.0056	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Trichlorophenol[2,4,5-]	1.8	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	SEMI	Trichlorophenol[2,4,6-]	0.37	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	VOAGCMS	Trichloro-propane[1,2,3-]	0.0056	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	VOAGCMS	Trimethylbenzene [1,2,4-]	0.0056	MG/KG	U

Table I-3.0-7
(continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	VOAGCMS	Trimethylbenzene [1,3,5-]	0.0056	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	VOAGCMS	Vinyl Chloride	0.011	MG/KG	U
16-021(c)	16-2658	0316-97-0409	60	72	IN	QBT4	VOAGCMS	Xylene (Total)	0.0056	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Acenaphthene	0.36	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Acenaphthylene	0.36	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	VOAGCMS	Acetone	0.032	MG/KG	none
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Aniline	0.73	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Anthracene	0.36	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Azobenzene	0.73	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	VOAGCMS	Benzene	0.0055	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Benzo(a)anthracene	0.36	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Benzo(a)pyrene	0.36	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Benzo(b)fluoranthene	0.36	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Benzo(g,h,i)perylene	0.36	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Benzo(k)fluoranthene	0.36	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Benzoic Acid	3.6	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Benzyl Alcohol	1.4	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Bis(2-chloroethoxy)-methane	0.36	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Bis(2-chloroethyl)ether	0.36	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Bis(2-ethylhexyl) phthalate	0.36	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	VOAGCMS	Bromobenzene	0.0055	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	VOAGCMS	Bromochloromethane	0.0055	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	VOAGCMS	Bromodichloro-methane	0.0055	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	VOAGCMS	Bromoform	0.0055	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	VOAGCMS	Bromomethane	0.011	MG/KG	U

Table I-3.0-7
(continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Bromophenyl-Phenylether[4-]	0.36	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	VOAGCMS	Butanone[2-]	0.022	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	VOAGCMS	Butylbenzene[n-]	0.0055	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	VOAGCMS	Butylbenzene[sec-]	0.0055	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	VOAGCMS	Butylbenzene[tert-]	0.0055	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Butylbenzylphthalate	0.36	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	VOAGCMS	Carbon Disulfide	0.0055	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	VOAGCMS	Carbon Tetrachloride	0.0055	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Chloro-3-methylphenol[4-]	0.73	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Chloroaniline[4-]	1.4	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	VOAGCMS	Chlorobenzene	0.0055	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	VOAGCMS	Chlorodibromo-methane	0.0055	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	VOAGCMS	Chloroethane	0.011	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	VOAGCMS	Chloroform	0.0055	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	VOAGCMS	Chloromethane	0.011	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Chloronaphthalene[2-]	0.36	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Chlorophenol[2-]	0.36	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Chlorophenyl-phenyl[4-] Ether	0.36	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	VOAGCMS	Chlorotoluene[2-]	0.0055	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	VOAGCMS	Chlorotoluene[4-]	0.0055	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Chrysene	0.36	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Dibenz(a,h)-anthracene	0.36	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Dibenzofuran	0.36	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	VOAGCMS	Dibromo-3-chloropropane[1,2-]	0.011	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	VOAGCMS	Dibromoethane[1,2-]	0.0055	MG/KG	U

Table I-3.0-7
(continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	VOAGCMS	Dibromomethane	0.0055	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	VOAGCMS	Dichlorobenzene[1,2-]	0.0055	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Dichlorobenzene[1,2-]	0.36	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	VOAGCMS	Dichlorobenzene[1,3-]	0.0055	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Dichlorobenzene[1,3-]	0.36	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	VOAGCMS	Dichlorobenzene[1,4-]	0.0055	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Dichlorobenzene[1,4-]	0.36	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Dichloro-benzidine[3,3'-]	0.73	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	VOAGCMS	Dichloro-difluoromethane	0.011	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	VOAGCMS	Dichloroethane[1,1-]	0.0055	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	VOAGCMS	Dichloroethane[1,2-]	0.0055	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	VOAGCMS	Dichloroethene[1,1-]	0.0055	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	VOAGCMS	Dichloro-ethene[cis-1,2-]	0.011	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	VOAGCMS	Dichloroethene [trans-1,2-]	0.011	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Dichlorophenol[2,4-]	0.36	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	VOAGCMS	Dichloropropane[1,2-]	0.0055	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	VOAGCMS	Dichloropropane[1,3-]	0.0055	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	VOAGCMS	Dichloropropane[2,2-]	0.0055	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	VOAGCMS	Dichloropropene[1,1-]	0.0055	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	VOAGCMS	Dichloropropene [cis-1,3-]	0.0055	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	VOAGCMS	Dichloropropene [trans-1,3-]	0.0055	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Diethylphthalate	0.36	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Dimethyl Phthalate	0.36	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Dimethylphenol[2,4-]	0.36	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Di-n-butylphthalate	0.36	MG/KG	U

Table I-3.0-7
(continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Dinitro-2-methylphenol[4,6-]	1.8	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Dinitrophenol[2,4-]	1.8	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Dinitrotoluene[2,4-]	0.36	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Dinitrotoluene[2,6-]	0.36	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Di-n-octylphthalate	0.36	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	VOAGCMS	Ethylbenzene	0.0055	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Fluoranthene	0.36	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Fluorene	0.36	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Hexachlorobenzene	0.36	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Hexachlorobutadiene	0.36	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Hexachloro-cyclopentadiene	0.36	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Hexachloroethane	0.36	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	VOAGCMS	Hexanone[2-]	0.022	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Indeno(1,2,3-cd)pyrene	0.36	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	VOAGCMS	Iodomethane	0.0055	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Isophorone	0.36	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	VOAGCMS	Isopropylbenzene	0.0055	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	VOAGCMS	Isopropyltoluene[4-]	0.0055	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	VOAGCMS	Methyl-2-pentanone[4-]	0.022	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	VOAGCMS	Methylene Chloride	0.0055	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Methylnaphthalene[2-]	0.36	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Methylphenol[2-]	0.36	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Methylphenol[4-]	0.36	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Naphthalene	0.36	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Nitroaniline[2-]	1.8	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Nitroaniline[3-]	1.8	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Nitroaniline[4-]	0.73	MG/KG	U

Table I-3.0-7
(continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Nitrobenzene	0.36	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Nitrophenol[2-]	0.36	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Nitrophenol[4-]	1.8	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Nitrosodimethyl-amine[N-]	0.36	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Nitroso-di-n-propylamine[N-]	0.36	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Nitrosodipheny-amine[N-]	0.36	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Oxybis(1-chloropropane)[2,2'-]	0.36	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Pentachlorophenol	1.8	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Phenanthrene	0.36	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Phenol	0.36	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	VOAGCMS	Propylbenzene[1-]	0.0055	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Pyrene	0.36	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	VOAGCMS	Styrene	0.0055	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	VOAGCMS	Tetrachloroethane [1,1,1,2-]	0.0055	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	VOAGCMS	Tetrachloroethane [1,1,2,2-]	0.0055	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	VOAGCMS	Tetrachloroethene	0.0055	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	VOAGCMS	Toluene	0.0055	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	VOAGCMS	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.0055	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Trichloro-benzene[1,2,4-]	0.36	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	VOAGCMS	Trichloro-ethane[1,1,1-]	0.0055	MG/KG	U

Table I-3.0-7
(continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	VOAGCMS	Trichloro-ethane[1,1,2-]	0.0055	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	VOAGCMS	Trichloroethene	0.0055	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	VOAGCMS	Trichlorofluoro-methane	0.0055	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Trichlorophenol[2,4,5-]	1.8	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	SEMI	Trichlorophenol[2,4,6-]	0.36	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	VOAGCMS	Trichloro-propane[1,2,3-]	0.0055	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	VOAGCMS	Trimethylbenzene [1,2,4-]	0.0055	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	VOAGCMS	Trimethylbenzene [1,3,5-]	0.0055	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	VOAGCMS	Vinyl Chloride	0.011	MG/KG	U
16-021(c)	16-2658	0316-97-0410	132	144	IN	QBT4	VOAGCMS	Xylene (Total)	0.0055	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Acenaphthene	0.37	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Acenaphthylene	0.37	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	VOAGCMS	Acetone	0.027	MG/KG	none
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Aniline	0.74	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Anthracene	0.37	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Azobenzene	0.74	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	VOAGCMS	Benzene	0.0056	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Benzo(a)anthracene	0.37	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Benzo(a)pyrene	0.37	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Benzo(b)fluoranthene	0.37	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Benzo(g,h,i)perylene	0.37	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Benzo(k)fluoranthene	0.37	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Benzoic Acid	3.7	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Benzyl Alcohol	1.5	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Bis(2-chloroethoxy) methane	0.37	MG/KG	U

Table I-3.0-7
(continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Bis(2-chloroethyl)ether	0.37	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Bis(2-ethylhexyl) phthalate	0.37	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	VOAGCMS	Bromobenzene	0.0056	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	VOAGCMS	Bromochloromethane	0.0056	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	VOAGCMS	Bromodichloro-methane	0.0056	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	VOAGCMS	Bromoform	0.0056	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	VOAGCMS	Bromomethane	0.011	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Bromophenyl-phenylether[4-]	0.37	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	VOAGCMS	Butanone[2-]	0.022	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	VOAGCMS	Butylbenzene[n-]	0.0056	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	VOAGCMS	Butylbenzene[sec-]	0.0056	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	VOAGCMS	Butylbenzene[tert-]	0.0056	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Butylbenzylphthalate	0.37	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	VOAGCMS	Carbon Disulfide	0.0056	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	VOAGCMS	Carbon Tetrachloride	0.0056	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Chloro-3-methylphenol [4-]	0.74	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Chloroaniline[4-]	1.5	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	VOAGCMS	Chlorobenzene	0.0056	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	VOAGCMS	Chlorodibromo-methane	0.0056	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	VOAGCMS	Chloroethane	0.011	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	VOAGCMS	Chloroform	0.0056	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	VOAGCMS	Chloromethane	0.011	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Chloronaphthalene[2-]	0.37	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Chlorophenol[2-]	0.37	MG/KG	U

Table I-3.0-7
(continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Chlorophenyl-phenyl[4-] Ether	0.37	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	VOAGCMS	Chlorotoluene[2-]	0.0056	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	VOAGCMS	Chlorotoluene[4-]	0.0056	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Chrysene	0.37	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Dibenz(a,h)-anthracene	0.37	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Dibenzofuran	0.37	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	VOAGCMS	Dibromo-3-chloropropane[1,2-]	0.011	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	VOAGCMS	Dibromoethane[1,2-]	0.0056	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	VOAGCMS	Dibromomethane	0.0056	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	VOAGCMS	Dichlorobenzene[1,2-]	0.0056	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Dichlorobenzene[1,2-]	0.37	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	VOAGCMS	Dichlorobenzene[1,3-]	0.0056	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Dichlorobenzene[1,3-]	0.37	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	VOAGCMS	Dichlorobenzene[1,4-]	0.0056	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Dichlorobenzene[1,4-]	0.37	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Dichloro-benzidine[3,3'-]	0.74	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	VOAGCMS	Dichlorodifluoro-methane	0.011	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	VOAGCMS	Dichloroethane[1,1-]	0.0056	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	VOAGCMS	Dichloroethane[1,2-]	0.0056	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	VOAGCMS	Dichloroethene[1,1-]	0.0056	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	VOAGCMS	Dichloro-ethene[cis-1,2-]	0.011	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	VOAGCMS	Dichloroethene [trans-1,2-]	0.011	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Dichlorophenol[2,4-]	0.37	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	VOAGCMS	Dichloropropane[1,2-]	0.0056	MG/KG	U

Table I-3.0-7
(continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	VOAGCMS	Dichloropropane[1,3-]	0.0056	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	VOAGCMS	Dichloropropane[2,2-]	0.0056	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	VOAGCMS	Dichloropropene[1,1-]	0.0056	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	VOAGCMS	Dichloropropene [cis-1,3-]	0.0056	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	VOAGCMS	Dichloropropene [trans-1,3-]	0.0056	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Diethylphthalate	0.37	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Dimethyl Phthalate	0.37	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Dimethylphenol[2,4-]	0.37	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Di-n-butylphthalate	0.37	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Dinitro-2-methylphenol[4,6-]	1.8	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Dinitrophenol[2,4-]	1.8	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Dinitrotoluene[2,4-]	0.37	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Dinitrotoluene[2,6-]	0.37	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Di-n-octylphthalate	0.37	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	VOAGCMS	Ethylbenzene	0.0056	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Fluoranthene	0.37	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Fluorene	0.37	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Hexachlorobenzene	0.37	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Hexachlorobutadiene	0.37	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Hexachloro-cyclopentadiene	0.37	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Hexachloroethane	0.37	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	VOAGCMS	Hexanone[2-]	0.022	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Indeno(1,2,3-cd)pyrene	0.37	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	VOAGCMS	Iodomethane	0.0056	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Isophorone	0.37	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	VOAGCMS	Isopropylbenzene	0.0056	MG/KG	U

Table I-3.0-7
(continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	VOAGCMS	Isopropyltoluene[4-]	0.0056	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	VOAGCMS	Methyl-2-penta-none[4-]	0.022	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	VOAGCMS	Methylene Chloride	0.0056	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Methylnaphthalene[2-]	0.37	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Methylphenol[2-]	0.37	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Methylphenol[4-]	0.37	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Naphthalene	0.37	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Nitroaniline[2-]	1.8	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Nitroaniline[3-]	1.8	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Nitroaniline[4-]	0.74	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Nitrobenzene	0.37	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Nitrophenol[2-]	0.37	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Nitrophenol[4-]	1.8	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Nitrosodi-methylamine[N-]	0.37	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Nitroso-di-n-propylamine[N-]	0.37	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Nitrosodiphenyl-amine[N-]	0.37	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Oxybis(1-chloropropane)[2,2'-]	0.37	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Pentachlorophenol	1.8	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Phenanthrene	0.37	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Phenol	0.37	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	VOAGCMS	Propylbenzene[1-]	0.0056	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Pyrene	0.37	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	VOAGCMS	Styrene	0.0056	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	VOAGCMS	Tetrachloroethane [1,1,1,2-]	0.0056	MG/KG	U

Table I-3.0-7
(continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	VOAGCMS	Tetrachloroethane [1,1,2,2-]	0.0056	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	VOAGCMS	Tetrachloroethene	0.0056	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	VOAGCMS	Toluene	0.0056	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	VOAGCMS	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.0056	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Trichloro-benzene[1,2,4-]	0.37	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	VOAGCMS	Trichloro-ethane[1,1,1-]	0.0056	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	VOAGCMS	Trichloro-ethane[1,1,2-]	0.0056	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	VOAGCMS	Trichloroethene	0.0056	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	VOAGCMS	Trichloro-fluoromethane	0.0056	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Trichlorophenol[2,4,5-]	1.8	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	SEMI	Trichlorophenol[2,4,6-]	0.37	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	VOAGCMS	Trichloro-propane[1,2,3-]	0.0056	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	VOAGCMS	Trimethylbenzene [1,2,4-]	0.0056	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	VOAGCMS	Trimethylbenzene [1,3,5-]	0.0056	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	VOAGCMS	Vinyl Chloride	0.011	MG/KG	U
16-021(c)	16-2659	0316-97-0412	60	69.6	IN	SED	VOAGCMS	Xylene (Total)	0.0056	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Acenaphthene	0.39	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Acenaphthylene	0.39	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	VOAGCMS	Acetone	0.027	MG/KG	none
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Aniline	0.78	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Anthracene	0.39	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Azobenzene	0.78	MG/KG	U

Table I-3.0-7
(continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	VOAGCMS	Benzene	0.0059	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Benzo(a)anthracene	0.39	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Benzo(a)pyrene	0.39	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Benzo(b)fluoranthene	0.39	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Benzo(g,h,i)perylene	0.39	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Benzo(k)fluoranthene	0.39	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Benzoic Acid	3.9	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Benzyl Alcohol	1.5	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Bis(2-chloroethoxy) methane	0.39	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Bis(2-chloroethyl)ether	0.39	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Bis(2-ethylhexyl) phthalate	0.39	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	VOAGCMS	Bromobenzene	0.0059	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	VOAGCMS	Bromochloromethane	0.0059	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	VOAGCMS	Bromodichloro-methane	0.0059	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	VOAGCMS	Bromoform	0.0059	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	VOAGCMS	Bromomethane	0.012	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Bromophenyl-phenylether[4-]	0.39	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	VOAGCMS	Butanone[2-]	0.024	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	VOAGCMS	Butylbenzene[n-]	0.0059	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	VOAGCMS	Butylbenzene[sec-]	0.0059	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	VOAGCMS	Butylbenzene[tert-]	0.0059	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Butylbenzylphthalate	0.39	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	VOAGCMS	Carbon Disulfide	0.0059	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	VOAGCMS	Carbon Tetrachloride	0.0059	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Chloro-3-methylphenol [4-]	0.78	MG/KG	U

Table I-3.0-7
(continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Chloroaniline[4-]	1.5	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	VOAGCMS	Chlorobenzene	0.0059	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	VOAGCMS	Chlorodibro-momethane	0.0059	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	VOAGCMS	Chloroethane	0.012	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	VOAGCMS	Chloroform	0.0059	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	VOAGCMS	Chloromethane	0.012	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Chloronaphthalene[2-]	0.39	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Chlorophenol[2-]	0.39	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Chlorophenyl-phenyl[4-] Ether	0.39	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	VOAGCMS	Chlorotoluene[2-]	0.0059	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	VOAGCMS	Chlorotoluene[4-]	0.0059	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Chrysene	0.39	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Dibenz(a,h)-anthracene	0.39	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Dibenzofuran	0.39	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	VOAGCMS	Dibromo-3-chloropropane[1,2-]	0.012	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	VOAGCMS	Dibromoethane[1,2-]	0.0059	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	VOAGCMS	Dibromomethane	0.0059	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	VOAGCMS	Dichlorobenzene[1,2-]	0.0059	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Dichlorobenzene[1,2-]	0.39	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	VOAGCMS	Dichlorobenzene[1,3-]	0.0059	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Dichlorobenzene[1,3-]	0.39	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	VOAGCMS	Dichlorobenzene[1,4-]	0.0059	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Dichlorobenzene[1,4-]	0.39	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Dichloro-benzidine[3,3'-]	0.78	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	VOAGCMS	Dichloro-difluoromethane	0.012	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	VOAGCMS	Dichloroethane[1,1-]	0.0059	MG/KG	U

Table I-3.0-7
(continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	VOAGCMS	Dichloroethane[1,2-]	0.0059	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	VOAGCMS	Dichloroethene[1,1-]	0.0059	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	VOAGCMS	Dichloroethene[cis-1,2-]	0.012	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	VOAGCMS	Dichloroethene [trans-1,2-]	0.012	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Dichlorophenol[2,4-]	0.39	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	VOAGCMS	Dichloropropane[1,2-]	0.0059	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	VOAGCMS	Dichloropropane[1,3-]	0.0059	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	VOAGCMS	Dichloropropane[2,2-]	0.0059	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	VOAGCMS	Dichloropropene[1,1-]	0.0059	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	VOAGCMS	Dichloropropene [cis-1,3-]	0.0059	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	VOAGCMS	Dichloropropene [trans-1,3-]	0.0059	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Diethylphthalate	0.39	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Dimethyl Phthalate	0.39	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Dimethylphenol[2,4-]	0.39	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Di-n-butylphthalate	0.39	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Dinitro-2-methylphenol[4,6-]	1.9	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Dinitrophenol[2,4-]	1.9	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Dinitrotoluene[2,4-]	0.39	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Dinitrotoluene[2,6-]	0.39	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Di-n-octylphthalate	0.39	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	VOAGCMS	Ethylbenzene	0.0059	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Fluoranthene	0.39	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Fluorene	0.39	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Hexachlorobenzene	0.39	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Hexachlorobutadiene	0.39	MG/KG	U

Table I-3.0-7
(continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Hexachloro-cyclopentadiene	0.39	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Hexachloroethane	0.39	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	VOAGCMS	Hexanone[2-]	0.024	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Indeno(1,2,3-cd)pyrene	0.39	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	VOAGCMS	Iodomethane	0.0059	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Isophorone	0.39	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	VOAGCMS	Isopropylbenzene	0.0059	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	VOAGCMS	Isopropyltoluene[4-]	0.0059	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	VOAGCMS	Methyl-2-pentanone[4-]	0.024	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	VOAGCMS	Methylene Chloride	0.0059	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Methylnaphthalene[2-]	0.39	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Methylphenol[2-]	0.39	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Methylphenol[4-]	0.39	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Naphthalene	0.39	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Nitroaniline[2-]	1.9	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Nitroaniline[3-]	1.9	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Nitroaniline[4-]	0.78	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Nitrobenzene	0.39	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Nitrophenol[2-]	0.39	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Nitrophenol[4-]	1.9	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Nitrosodimethyl-amine[N-]	0.39	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Nitroso-di-n-propylamine[N-]	0.39	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Nitrosodiphenyl-amine[N-]	0.39	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Oxybis(1-chloropropane)[2,2'-]	0.39	MG/KG	U

Table I-3.0-7
(continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Pentachlorophenol	1.9	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Phenanthrene	0.39	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Phenol	0.39	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	VOAGCMS	Propylbenzene[1-]	0.0059	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Pyrene	0.39	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	VOAGCMS	Styrene	0.0059	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	VOAGCMS	Tetrachloroethane [1,1,1,2-]	0.0059	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	VOAGCMS	Tetrachloroethane [1,1,2,2-]	0.0059	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	VOAGCMS	Tetrachloroethene	0.0059	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	VOAGCMS	Toluene	0.0059	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	VOAGCMS	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.0059	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Trichloro-benzene[1,2,4-]	0.39	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	VOAGCMS	Trichloro-ethane[1,1,1-]	0.0059	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	VOAGCMS	Trichloro-ethane[1,1,2-]	0.0059	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	VOAGCMS	Trichloroethene	0.0059	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	VOAGCMS	Trichlorofluoro-methane	0.0059	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Trichlorophenol[2,4,5-]	1.9	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	SEMI	Trichlorophenol[2,4,6-]	0.39	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	VOAGCMS	Trichloro-propane[1,2,3-]	0.0059	MG/KG	U

Table B-3.0-7
(concluded)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	VOAGCMS	Trimethylbenzene [1,2,4-]	0.0059	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	VOAGCMS	Trimethylbenzene [1,3,5-]	0.0059	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	VOAGCMS	Vinyl Chloride	0.012	MG/KG	U
16-021(c)	16-2659	0316-97-0413	108	120	IN	QBT4	VOAGCMS	Xylene (Total)	0.0059	MG/KG	U

Table I-3.0-8
Inorganic Chemicals in Surface Water Samples

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier	Prep Method
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	Aluminum	7340	UG/L	none	none
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	Antimony	50	UG/L	U	none
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	Arsenic	2	UG/L	U	none
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	Barium	99	UG/L	J	none
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	Beryllium	4	UG/L	U	none
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	Cadmium	5	UG/L	U	none
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	Calcium	9760	UG/L	none	none
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	Chromium, Total	10	UG/L	U	none
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	Cobalt	10	UG/L	U	none
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	Copper	5	UG/L	U	none
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	Iron	3620	UG/L	none	none
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	Lead	1.5	UG/L	U	none
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	Magnesium	3780	UG/L	J	none
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	Manganese	19.5	UG/L	none	none
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	Mercury	0.1	UG/L	U	none
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	Nickel	15	UG/L	U	none
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	Potassium	3780	UG/L	J	none
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	Selenium	2.5	UG/L	U	none
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	Silver	5	UG/L	U	none
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	Sodium	15900	UG/L	none	none
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	Thallium	2	UG/L	U	none
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	Vanadium	10	UG/L	U	none
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	Zinc	19.4	UG/L	J	none
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	Aluminum	13600	UG/L	none	none
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	Antimony	50	UG/L	U	none
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	Arsenic	2	UG/L	U	none

Table I-3.0-8 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier	Prep Method
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	Barium	829	UG/L	none	none
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	Beryllium	4	UG/L	U	none
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	Cadmium	5	UG/L	U	none
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	Calcium	8230	UG/L	none	none
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	Chromium, Total	10	UG/L	U	none
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	Cobalt	10	UG/L	U	none
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	Copper	5	UG/L	U	none
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	Iron	7340	UG/L	none	none
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	Lead	2.5	UG/L	J	none
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	Magnesium	3600	UG/L	J	none
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	Manganese	38.2	UG/L	none	none
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	Mercury	0.1	UG/L	U	none
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	Nickel	15	UG/L	U	none
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	Potassium	3510	UG/L	J	none
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	Selenium	2.5	UG/L	U	none
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	Silver	5	UG/L	U	none
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	Sodium	8500	UG/L	none	none
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	Thallium	2	UG/L	U	none
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	Vanadium	10.4	UG/L	J	none
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	Zinc	29.2	UG/L	none	none
16-021(c)	16-2670	0316-97-0450	15-Dec-97	WSF	Filtered	Aluminum	100	UG/L	U	3005A
16-021(c)	16-2670	0316-97-0450	15-Dec-97	WSF	Filtered	Aluminum	100	UG/L	U	none
16-021(c)	16-2670	0316-97-0450	15-Dec-97	WSF	Filtered	Antimony	20	UG/L	U	3005A
16-021(c)	16-2670	0316-97-0450	15-Dec-97	WSF	Filtered	Antimony	20	UG/L	U	none
16-021(c)	16-2670	0316-97-0450	15-Dec-97	WSF	Filtered	Arsenic	10	UG/L	U	3005A
16-021(c)	16-2670	0316-97-0450	15-Dec-97	WSF	Filtered	Arsenic	10	UG/L	U	none
16-021(c)	16-2670	0316-97-0450	15-Dec-97	WSF	Filtered	Barium	4200	UG/L	none	3005A
16-021(c)	16-2670	0316-97-0450	15-Dec-97	WSF	Filtered	Barium	4400	UG/L	none	none

Table I-3.0-8 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier	Prep Method
16-021(c)	16-2670	0316-97-0450	15-Dec-97	WSF	Filtered	Beryllium	4	UG/L	U	3005A
16-021(c)	16-2670	0316-97-0450	15-Dec-97	WSF	Filtered	Beryllium	4	UG/L	U	none
16-021(c)	16-2670	0316-97-0450	15-Dec-97	WSF	Filtered	Cadmium	5	UG/L	U	3005A
16-021(c)	16-2670	0316-97-0450	15-Dec-97	WSF	Filtered	Cadmium	5	UG/L	U	none
16-021(c)	16-2670	0316-97-0450	15-Dec-97	WSF	Filtered	Calcium	17000	UG/L	none	3005A
16-021(c)	16-2670	0316-97-0450	15-Dec-97	WSF	Filtered	Calcium	17000	UG/L	none	none
16-021(c)	16-2670	0316-97-0450	15-Dec-97	WSF	Filtered	Chromium, Total	10	UG/L	U	3005A
16-021(c)	16-2670	0316-97-0450	15-Dec-97	WSF	Filtered	Chromium, Total	10	UG/L	U	none
16-021(c)	16-2670	0316-97-0450	15-Dec-97	WSF	Filtered	Cobalt	20	UG/L	U	3005A
16-021(c)	16-2670	0316-97-0450	15-Dec-97	WSF	Filtered	Cobalt	20	UG/L	U	none
16-021(c)	16-2670	0316-97-0450	15-Dec-97	WSF	Filtered	Copper	20	UG/L	U	3005A
16-021(c)	16-2670	0316-97-0450	15-Dec-97	WSF	Filtered	Copper	20	UG/L	U	none
16-021(c)	16-2670	0316-97-0450	15-Dec-97	WSF	Filtered	Cyanide, Total	10	UG/L	U	none
16-021(c)	16-2670	0316-97-0450	15-Dec-97	WSF	Filtered	Iron	40	UG/L	U	3005A
16-021(c)	16-2670	0316-97-0450	15-Dec-97	WSF	Filtered	Iron	40	UG/L	U	none
16-021(c)	16-2670	0316-97-0450	15-Dec-97	WSF	Filtered	Lead	3	UG/L	none	3005A
16-021(c)	16-2670	0316-97-0450	15-Dec-97	WSF	Filtered	Lead	4	UG/L	none	none
16-021(c)	16-2670	0316-97-0450	15-Dec-97	WSF	Filtered	Magnesium	4700	UG/L	U	3005A
16-021(c)	16-2670	0316-97-0450	15-Dec-97	WSF	Filtered	Magnesium	4900	UG/L	U	none
16-021(c)	16-2670	0316-97-0450	15-Dec-97	WSF	Filtered	Manganese	10	UG/L	U	3005A
16-021(c)	16-2670	0316-97-0450	15-Dec-97	WSF	Filtered	Manganese	10	UG/L	U	none
16-021(c)	16-2670	0316-97-0450	15-Dec-97	WSF	Filtered	Mercury	0.2	UG/L	U	3005A
16-021(c)	16-2670	0316-97-0450	15-Dec-97	WSF	Filtered	Mercury	0.2	UG/L	U	none
16-021(c)	16-2670	0316-97-0450	15-Dec-97	WSF	Filtered	Nickel	40	UG/L	U	3005A
16-021(c)	16-2670	0316-97-0450	15-Dec-97	WSF	Filtered	Nickel	40	UG/L	U	none
16-021(c)	16-2670	0316-97-0450	15-Dec-97	WSF	Filtered	Nitrogen, Nitrate (Expressed as NO3)	710	UG/L	nv	none
16-021(c)	16-2670	0316-97-0450	15-Dec-97	WSF	Filtered	Nitrogen Nitrite (Expressed as NO2)	710	UG/L	nv	none
16-021(c)	16-2670	0316-97-0450	15-Dec-97	WSF	Filtered	Potassium	1000	UG/L	none	3005A

Table I-3.0-8 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier	Prep Method
16-021(c)	16-2670	0316-97-0450	15-Dec-97	WSF	Filtered	Potassium	3000	UG/L	none	none
16-021(c)	16-2670	0316-97-0450	15-Dec-97	WSF	Filtered	Selenium	4	UG/L	UJ	3005A
16-021(c)	16-2670	0316-97-0450	15-Dec-97	WSF	Filtered	Selenium	4	UG/L	UJ	none
16-021(c)	16-2670	0316-97-0450	15-Dec-97	WSF	Filtered	Silver	10	UG/L	U	3005A
16-021(c)	16-2670	0316-97-0450	15-Dec-97	WSF	Filtered	Silver	10	UG/L	U	none
16-021(c)	16-2670	0316-97-0450	15-Dec-97	WSF	Filtered	Sodium	17000	UG/L	U	3005A
16-021(c)	16-2670	0316-97-0450	15-Dec-97	WSF	Filtered	Sodium	18000	UG/L	U	none
16-021(c)	16-2670	0316-97-0450	15-Dec-97	WSF	Filtered	Thallium	5	UG/L	U	3005A
16-021(c)	16-2670	0316-97-0450	15-Dec-97	WSF	Filtered	Thallium	5	UG/L	U	none
16-021(c)	16-2670	0316-97-0450	15-Dec-97	WSF	Filtered	Vanadium	10	UG/L	U	3005A
16-021(c)	16-2670	0316-97-0450	15-Dec-97	WSF	Filtered	Vanadium	10	UG/L	U	none
16-021(c)	16-2670	0316-97-0450	15-Dec-97	WSF	Filtered	Zinc	20	UG/L	U	3005A
16-021(c)	16-2670	0316-97-0450	15-Dec-97	WSF	Filtered	Zinc	20	UG/L	U	none
16-021(c)	16-2671	0316-97-0451	15-Dec-97	WSF	Filtered	Aluminum	100	UG/L	U	3005A
16-021(c)	16-2671	0316-97-0451	15-Dec-97	WSF	Filtered	Aluminum	100	UG/L	U	none
16-021(c)	16-2671	0316-97-0451	15-Dec-97	WSF	Filtered	Antimony	20	UG/L	U	3005A
16-021(c)	16-2671	0316-97-0451	15-Dec-97	WSF	Filtered	Antimony	20	UG/L	U	none
16-021(c)	16-2671	0316-97-0451	15-Dec-97	WSF	Filtered	Arsenic	10	UG/L	U	3005A
16-021(c)	16-2671	0316-97-0451	15-Dec-97	WSF	Filtered	Arsenic	10	UG/L	U	none
16-021(c)	16-2671	0316-97-0451	15-Dec-97	WSF	Filtered	Barium	4070	UG/L	none	none
16-021(c)	16-2671	0316-97-0451	15-Dec-97	WSF	Filtered	Barium	4700	UG/L	none	3005A
16-021(c)	16-2671	0316-97-0451	15-Dec-97	WSF	Filtered	Beryllium	4	UG/L	U	3005A
16-021(c)	16-2671	0316-97-0451	15-Dec-97	WSF	Filtered	Beryllium	4	UG/L	U	none
16-021(c)	16-2671	0316-97-0451	15-Dec-97	WSF	Filtered	Cadmium	5	UG/L	U	3005A
16-021(c)	16-2671	0316-97-0451	15-Dec-97	WSF	Filtered	Cadmium	5	UG/L	U	none
16-021(c)	16-2671	0316-97-0451	15-Dec-97	WSF	Filtered	Calcium	15000	UG/L	none	3005A
16-021(c)	16-2671	0316-97-0451	15-Dec-97	WSF	Filtered	Calcium	15000	UG/L	none	none
16-021(c)	16-2671	0316-97-0451	15-Dec-97	WSF	Filtered	Chromium, Total	10	UG/L	U	3005A

Table I-3.0-8 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier	Prep Method
16-021(c)	16-2671	0316-97-0451	15-Dec-97	WSF	Filtered	Chromium, Total	10	UG/L	U	none
16-021(c)	16-2671	0316-97-0451	15-Dec-97	WSF	Filtered	Cobalt	20	UG/L	U	3005A
16-021(c)	16-2671	0316-97-0451	15-Dec-97	WSF	Filtered	Cobalt	20	UG/L	U	none
16-021(c)	16-2671	0316-97-0451	15-Dec-97	WSF	Filtered	Copper	20	UG/L	U	3005A
16-021(c)	16-2671	0316-97-0451	15-Dec-97	WSF	Filtered	Copper	20	UG/L	U	none
16-021(c)	16-2671	0316-97-0451	15-Dec-97	WSF	Filtered	Cyanide, Total	10	UG/L	U	none
16-021(c)	16-2671	0316-97-0451	15-Dec-97	WSF	Filtered	Iron	40	UG/L	U	3005A
16-021(c)	16-2671	0316-97-0451	15-Dec-97	WSF	Filtered	Iron	40	UG/L	U	none
16-021(c)	16-2671	0316-97-0451	15-Dec-97	WSF	Filtered	Lead	4	UG/L	none	none
16-021(c)	16-2671	0316-97-0451	15-Dec-97	WSF	Filtered	Lead	5	UG/L	none	3005A
16-021(c)	16-2671	0316-97-0451	15-Dec-97	WSF	Filtered	Magnesium	4300	UG/L	U	3005A
16-021(c)	16-2671	0316-97-0451	15-Dec-97	WSF	Filtered	Magnesium	4300	UG/L	U	none
16-021(c)	16-2671	0316-97-0451	15-Dec-97	WSF	Filtered	Manganese	10	UG/L	U	3005A
16-021(c)	16-2671	0316-97-0451	15-Dec-97	WSF	Filtered	Manganese	10	UG/L	U	none
16-021(c)	16-2671	0316-97-0451	15-Dec-97	WSF	Filtered	Mercury	0.2	UG/L	U	3005A
16-021(c)	16-2671	0316-97-0451	15-Dec-97	WSF	Filtered	Mercury	0.2	UG/L	U	none
16-021(c)	16-2671	0316-97-0451	15-Dec-97	WSF	Filtered	Nickel	40	UG/L	U	3005A
16-021(c)	16-2671	0316-97-0451	15-Dec-97	WSF	Filtered	Nickel	40	UG/L	U	none
16-021(c)	16-2671	0316-97-0451	15-Dec-97	WSF	Filtered	Nitrogen, Nitrate (Expressed as NO3)	50	UG/L	nv	none
16-021(c)	16-2671	0316-97-0451	15-Dec-97	WSF	Filtered	Nitrogen, Nitrite (Expressed as NO2)	50	UG/L	nv	none
16-021(c)	16-2671	0316-97-0451	15-Dec-97	WSF	Filtered	Potassium	3000	UG/L	none	3005A
16-021(c)	16-2671	0316-97-0451	15-Dec-97	WSF	Filtered	Potassium	3000	UG/L	none	none
16-021(c)	16-2671	0316-97-0451	15-Dec-97	WSF	Filtered	Selenium	4	UG/L	UJ	3005A
16-021(c)	16-2671	0316-97-0451	15-Dec-97	WSF	Filtered	Selenium	4	UG/L	UJ	none
16-021(c)	16-2671	0316-97-0451	15-Dec-97	WSF	Filtered	Silver	10	UG/L	U	3005A
16-021(c)	16-2671	0316-97-0451	15-Dec-97	WSF	Filtered	Silver	10	UG/L	U	none
16-021(c)	16-2671	0316-97-0451	15-Dec-97	WSF	Filtered	Sodium	16000	UG/L	U	3005A
16-021(c)	16-2671	0316-97-0451	15-Dec-97	WSF	Filtered	Sodium	16000	UG/L	U	none

Table I-3.0-8 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier	Prep Method
16-021(c)	16-2671	0316-97-0451	15-Dec-97	WSF	Filtered	Thallium	5	UG/L	U	3005A
16-021(c)	16-2671	0316-97-0451	15-Dec-97	WSF	Filtered	Thallium	5	UG/L	U	none
16-021(c)	16-2671	0316-97-0451	15-Dec-97	WSF	Filtered	Vanadium	10	UG/L	U	3005A
16-021(c)	16-2671	0316-97-0451	15-Dec-97	WSF	Filtered	Vanadium	10	UG/L	U	none
16-021(c)	16-2671	0316-97-0451	15-Dec-97	WSF	Filtered	Zinc	20	UG/L	U	3005A
16-021(c)	16-2671	0316-97-0451	15-Dec-97	WSF	Filtered	Zinc	20	UG/L	U	none
16-021(c)	16-2675	0316-97-0455	6-Jan-98	WSF	Filtered	Aluminum	1500	UG/L	U	none
16-021(c)	16-2675	0316-97-0455	6-Jan-98	WSF	Filtered	Antimony	20	UG/L	R	none
16-021(c)	16-2675	0316-97-0455	6-Jan-98	WSF	Filtered	Arsenic	4	UG/L	U	none
16-021(c)	16-2675	0316-97-0455	6-Jan-98	WSF	Filtered	Barium	2500	UG/L	none	none
16-021(c)	16-2675	0316-97-0455	6-Jan-98	WSF	Filtered	Beryllium	4	UG/L	none	none
16-021(c)	16-2675	0316-97-0455	6-Jan-98	WSF	Filtered	Cadmium	5	UG/L	U	none
16-021(c)	16-2675	0316-97-0455	6-Jan-98	WSF	Filtered	Calcium	11000	UG/L	none	none
16-021(c)	16-2675	0316-97-0455	6-Jan-98	WSF	Filtered	Chromium, Total	10	UG/L	U	none
16-021(c)	16-2675	0316-97-0455	6-Jan-98	WSF	Filtered	Cobalt	20	UG/L	U	none
16-021(c)	16-2675	0316-97-0455	6-Jan-98	WSF	Filtered	Copper	20	UG/L	U	none
16-021(c)	16-2675	0316-97-0455	6-Jan-98	WSF	Filtered	Cyanide, Total	10	UG/L	U	none
16-021(c)	16-2675	0316-97-0455	6-Jan-98	WSF	Filtered	Iron	4200	UG/L	U	none
16-021(c)	16-2675	0316-97-0455	6-Jan-98	WSF	Filtered	Lead	2	UG/L	J	none
16-021(c)	16-2675	0316-97-0455	6-Jan-98	WSF	Filtered	Magnesium	2900	UG/L	U	none
16-021(c)	16-2675	0316-97-0455	6-Jan-98	WSF	Filtered	Manganese	1800	UG/L	J	none
16-021(c)	16-2675	0316-97-0455	6-Jan-98	WSF	Filtered	Mercury	0.2	UG/L	U	none
16-021(c)	16-2675	0316-97-0455	6-Jan-98	WSF	Filtered	Nickel	40	UG/L	none	none
16-021(c)	16-2675	0316-97-0455	6-Jan-98	WSF	Filtered	Nitrogen, Nitrate + Nitrite (Expressed as N)	50	UG/L	nv	none
16-021(c)	16-2675	0316-97-0455	6-Jan-98	WSF	Filtered	Potassium	3000	UG/L	none	none
16-021(c)	16-2675	0316-97-0455	6-Jan-98	WSF	Filtered	Selenium	4	UG/L	U	none
16-021(c)	16-2675	0316-97-0455	6-Jan-98	WSF	Filtered	Silver	10	UG/L	U	none

Table I-3.0-8 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier	Prep Method
16-021(c)	16-2675	0316-97-0455	6-Jan-98	WSF	Filtered	Sodium	4900	UG/L	none	none
16-021(c)	16-2675	0316-97-0455	6-Jan-98	WSF	Filtered	Thallium	5	UG/L	UJ	none
16-021(c)	16-2675	0316-97-0455	6-Jan-98	WSF	Filtered	Vanadium	10	UG/L	U	none
16-021(c)	16-2675	0316-97-0455	6-Jan-98	WSF	Filtered	Zinc	30	UG/L	none	none
16-021(c)	16-2670	0316-97-0460	15-Dec-97	WSF	Unfiltered	Aluminum	100	UG/L	U	3005A
16-021(c)	16-2670	0316-97-0460	15-Dec-97	WSF	Unfiltered	Aluminum	100	UG/L	none	none
16-021(c)	16-2670	0316-97-0460	15-Dec-97	WSF	Unfiltered	Antimony	20	UG/L	U	3005A
16-021(c)	16-2670	0316-97-0460	15-Dec-97	WSF	Unfiltered	Antimony	20	UG/L	U	none
16-021(c)	16-2670	0316-97-0460	15-Dec-97	WSF	Unfiltered	Arsenic	10	UG/L	U	3005A
16-021(c)	16-2670	0316-97-0460	15-Dec-97	WSF	Unfiltered	Arsenic	10	UG/L	U	none
16-021(c)	16-2670	0316-97-0460	15-Dec-97	WSF	Unfiltered	Barium	4300	UG/L	none	3005A
16-021(c)	16-2670	0316-97-0460	15-Dec-97	WSF	Unfiltered	Barium	4400	UG/L	none	none
16-021(c)	16-2670	0316-97-0460	15-Dec-97	WSF	Unfiltered	Beryllium	4	UG/L	U	3005A
16-021(c)	16-2670	0316-97-0460	15-Dec-97	WSF	Unfiltered	Beryllium	4	UG/L	U	none
16-021(c)	16-2670	0316-97-0460	15-Dec-97	WSF	Unfiltered	Cadmium	5	UG/L	U	3005A
16-021(c)	16-2670	0316-97-0460	15-Dec-97	WSF	Unfiltered	Cadmium	5	UG/L	U	none
16-021(c)	16-2670	0316-97-0460	15-Dec-97	WSF	Unfiltered	Calcium	17000	UG/L	none	3005A
16-021(c)	16-2670	0316-97-0460	15-Dec-97	WSF	Unfiltered	Calcium	18000	UG/L	none	none
16-021(c)	16-2670	0316-97-0460	15-Dec-97	WSF	Unfiltered	Chromium, Total	10	UG/L	U	3005A
16-021(c)	16-2670	0316-97-0460	15-Dec-97	WSF	Unfiltered	Chromium, Total	10	UG/L	U	none
16-021(c)	16-2670	0316-97-0460	15-Dec-97	WSF	Unfiltered	Cobalt	20	UG/L	U	3005A
16-021(c)	16-2670	0316-97-0460	15-Dec-97	WSF	Unfiltered	Cobalt	20	UG/L	U	none
16-021(c)	16-2670	0316-97-0460	15-Dec-97	WSF	Unfiltered	Copper	20	UG/L	U	3005A
16-021(c)	16-2670	0316-97-0460	15-Dec-97	WSF	Unfiltered	Copper	20	UG/L	U	none
16-021(c)	16-2670	0316-97-0460	15-Dec-97	WSF	Unfiltered	Cyanide, Total	10	UG/L	U	none
16-021(c)	16-2670	0316-97-0460	15-Dec-97	WSF	Unfiltered	Iron	60	UG/L	none	3005A
16-021(c)	16-2670	0316-97-0460	15-Dec-97	WSF	Unfiltered	Iron	100	UG/L	none	none
16-021(c)	16-2670	0316-97-0460	15-Dec-97	WSF	Unfiltered	Lead	3	UG/L	none	none

Table I-3.0-8 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier	Prep Method
16-021(c)	16-2670	0316-97-0460	15-Dec-97	WSF	Unfiltered	Lead	6	UG/L	none	3005A
16-021(c)	16-2670	0316-97-0460	15-Dec-97	WSF	Unfiltered	Magnesium	4800	UG/L	U	3005A
16-021(c)	16-2670	0316-97-0460	15-Dec-97	WSF	Unfiltered	Magnesium	4900	UG/L	U	none
16-021(c)	16-2670	0316-97-0460	15-Dec-97	WSF	Unfiltered	Manganese	10	UG/L	U	3005A
16-021(c)	16-2670	0316-97-0460	15-Dec-97	WSF	Unfiltered	Manganese	10	UG/L	U	none
16-021(c)	16-2670	0316-97-0460	15-Dec-97	WSF	Unfiltered	Mercury	0.2	UG/L	U	3005A
16-021(c)	16-2670	0316-97-0460	15-Dec-97	WSF	Unfiltered	Mercury	0.2	UG/L	U	none
16-021(c)	16-2670	0316-97-0460	15-Dec-97	WSF	Unfiltered	Nickel	40	UG/L	U	3005A
16-021(c)	16-2670	0316-97-0460	15-Dec-97	WSF	Unfiltered	Nickel	500	UG/L	U	none
16-021(c)	16-2670	0316-97-0460	15-Dec-97	WSF	Unfiltered	Nitrogen, Nitrate (Expressed as NO3)	810	UG/L	nv	none
16-021(c)	16-2670	0316-97-0460	15-Dec-97	WSF	Unfiltered	Nitrogen Nitrite (Expressed as NO2)	810	UG/L	nv	none
16-021(c)	16-2670	0316-97-0460	15-Dec-97	WSF	Unfiltered	Potassium	3000	UG/L	none	3005A
16-021(c)	16-2670	0316-97-0460	15-Dec-97	WSF	Unfiltered	Potassium	3000	UG/L	U	none
16-021(c)	16-2670	0316-97-0460	15-Dec-97	WSF	Unfiltered	Selenium	4	UG/L	UJ	3005A
16-021(c)	16-2670	0316-97-0460	15-Dec-97	WSF	Unfiltered	Selenium	4	UG/L	UJ	none
16-021(c)	16-2670	0316-97-0460	15-Dec-97	WSF	Unfiltered	Silver	10	UG/L	U	3005A
16-021(c)	16-2670	0316-97-0460	15-Dec-97	WSF	Unfiltered	Silver	10	UG/L	U	none
16-021(c)	16-2670	0316-97-0460	15-Dec-97	WSF	Unfiltered	Sodium	17000	UG/L	U	3005A
16-021(c)	16-2670	0316-97-0460	15-Dec-97	WSF	Unfiltered	Sodium	18000	UG/L	U	none
16-021(c)	16-2670	0316-97-0460	15-Dec-97	WSF	Unfiltered	Thallium	5	UG/L	U	3005A
16-021(c)	16-2670	0316-97-0460	15-Dec-97	WSF	Unfiltered	Thallium	5	UG/L	U	none
16-021(c)	16-2670	0316-97-0460	15-Dec-97	WSF	Unfiltered	Vanadium	10	UG/L	U	3005A
16-021(c)	16-2670	0316-97-0460	15-Dec-97	WSF	Unfiltered	Vanadium	10	UG/L	U	none
16-021(c)	16-2670	0316-97-0460	15-Dec-97	WSF	Unfiltered	Zinc	20	UG/L	U	3005A
16-021(c)	16-2670	0316-97-0460	15-Dec-97	WSF	Unfiltered	Zinc	20	UG/L	U	none
16-021(c)	16-2671	0316-97-0461	15-Dec-97	WSF	Unfiltered	Aluminum	200	UG/L	none	3005A
16-021(c)	16-2671	0316-97-0461	15-Dec-97	WSF	Unfiltered	Aluminum	200	UG/L	none	none
16-021(c)	16-2671	0316-97-0461	15-Dec-97	WSF	Unfiltered	Antimony	20	UG/L	U	3005A

Table I-3.0-8 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier	Prep Method
16-021(c)	16-2671	0316-97-0461	15-Dec-97	WSF	Unfiltered	Antimony	20	UG/L	U	none
16-021(c)	16-2671	0316-97-0461	15-Dec-97	WSF	Unfiltered	Arsenic	10	UG/L	U	3005A
16-021(c)	16-2671	0316-97-0461	15-Dec-97	WSF	Unfiltered	Arsenic	10	UG/L	U	none
16-021(c)	16-2671	0316-97-0461	15-Dec-97	WSF	Unfiltered	Barium	4700	UG/L	none	none
16-021(c)	16-2671	0316-97-0461	15-Dec-97	WSF	Unfiltered	Barium	4800	UG/L	none	3005A
16-021(c)	16-2671	0316-97-0461	15-Dec-97	WSF	Unfiltered	Beryllium	4	UG/L	U	3005A
16-021(c)	16-2671	0316-97-0461	15-Dec-97	WSF	Unfiltered	Beryllium	4	UG/L	U	none
16-021(c)	16-2671	0316-97-0461	15-Dec-97	WSF	Unfiltered	Cadmium	0.5	UG/L	U	none
16-021(c)	16-2671	0316-97-0461	15-Dec-97	WSF	Unfiltered	Cadmium	5	UG/L	U	3005A
16-021(c)	16-2671	0316-97-0461	15-Dec-97	WSF	Unfiltered	Calcium	15000	UG/L	none	3005A
16-021(c)	16-2671	0316-97-0461	15-Dec-97	WSF	Unfiltered	Calcium	15000	UG/L	none	none
16-021(c)	16-2671	0316-97-0461	15-Dec-97	WSF	Unfiltered	Chromium, Total	10	UG/L	U	3005A
16-021(c)	16-2671	0316-97-0461	15-Dec-97	WSF	Unfiltered	Chromium, Total	10	UG/L	U	none
16-021(c)	16-2671	0316-97-0461	15-Dec-97	WSF	Unfiltered	Cobalt	20	UG/L	U	3005A
16-021(c)	16-2671	0316-97-0461	15-Dec-97	WSF	Unfiltered	Cobalt	20	UG/L	U	none
16-021(c)	16-2671	0316-97-0461	15-Dec-97	WSF	Unfiltered	Copper	20	UG/L	U	3005A
16-021(c)	16-2671	0316-97-0461	15-Dec-97	WSF	Unfiltered	Copper	20	UG/L	U	none
16-021(c)	16-2671	0316-97-0461	15-Dec-97	WSF	Unfiltered	Cyanide, Total	10	UG/L	U	none
16-021(c)	16-2671	0316-97-0461	15-Dec-97	WSF	Unfiltered	Iron	160	UG/L	none	3005A
16-021(c)	16-2671	0316-97-0461	15-Dec-97	WSF	Unfiltered	Iron	160	UG/L	none	none
16-021(c)	16-2671	0316-97-0461	15-Dec-97	WSF	Unfiltered	Lead	1	UG/L	U	3005A
16-021(c)	16-2671	0316-97-0461	15-Dec-97	WSF	Unfiltered	Lead	1	UG/L	none	none
16-021(c)	16-2671	0316-97-0461	15-Dec-97	WSF	Unfiltered	Magnesium	4200	UG/L	U	none
16-021(c)	16-2671	0316-97-0461	15-Dec-97	WSF	Unfiltered	Magnesium	4300	UG/L	U	3005A
16-021(c)	16-2671	0316-97-0461	15-Dec-97	WSF	Unfiltered	Manganese	10	UG/L	U	3005A
16-021(c)	16-2671	0316-97-0461	15-Dec-97	WSF	Unfiltered	Manganese	10	UG/L	U	none
16-021(c)	16-2671	0316-97-0461	15-Dec-97	WSF	Unfiltered	Mercury	0.2	UG/L	U	3005A
16-021(c)	16-2671	0316-97-0461	15-Dec-97	WSF	Unfiltered	Mercury	0.2	UG/L	U	none

Table I-3.0-8 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier	Prep Method
16-021(c)	16-2671	0316-97-0461	15-Dec-97	WSF	Unfiltered	Nickel	40	UG/L	U	3005A
16-021(c)	16-2671	0316-97-0461	15-Dec-97	WSF	Unfiltered	Nickel	40	UG/L	U	none
16-021(c)	16-2671	0316-97-0461	15-Dec-97	WSF	Unfiltered	Nitrogen, Nitrate (Expressed as NO3)	50	UG/L	nv	none
16-021(c)	16-2671	0316-97-0461	15-Dec-97	WSF	Unfiltered	Nitrogen Nitrite (Expressed as NO2)	50	UG/L	nv	none
16-021(c)	16-2671	0316-97-0461	15-Dec-97	WSF	Unfiltered	Potassium	3000	UG/L	none	3005A
16-021(c)	16-2671	0316-97-0461	15-Dec-97	WSF	Unfiltered	Potassium	3000	UG/L	none	none
16-021(c)	16-2671	0316-97-0461	15-Dec-97	WSF	Unfiltered	Selenium	4	UG/L	UJ	3005A
16-021(c)	16-2671	0316-97-0461	15-Dec-97	WSF	Unfiltered	Selenium	5	UG/L	UJ	none
16-021(c)	16-2671	0316-97-0461	15-Dec-97	WSF	Unfiltered	Silver	10	UG/L	U	3005A
16-021(c)	16-2671	0316-97-0461	15-Dec-97	WSF	Unfiltered	Silver	10	UG/L	U	none
16-021(c)	16-2671	0316-97-0461	15-Dec-97	WSF	Unfiltered	Sodium	16000	UG/L	U	none
16-021(c)	16-2671	0316-97-0461	15-Dec-97	WSF	Unfiltered	Sodium	17000	UG/L	U	3005A
16-021(c)	16-2671	0316-97-0461	15-Dec-97	WSF	Unfiltered	Thallium	5	UG/L	U	3005A
16-021(c)	16-2671	0316-97-0461	15-Dec-97	WSF	Unfiltered	Thallium	5	UG/L	U	none
16-021(c)	16-2671	0316-97-0461	15-Dec-97	WSF	Unfiltered	Vanadium	10	UG/L	U	3005A
16-021(c)	16-2671	0316-97-0461	15-Dec-97	WSF	Unfiltered	Vanadium	10	UG/L	U	none
16-021(c)	16-2671	0316-97-0461	15-Dec-97	WSF	Unfiltered	Zinc	20	UG/L	U	3005A
16-021(c)	16-2671	0316-97-0461	15-Dec-97	WSF	Unfiltered	Zinc	20	UG/L	U	none
16-021(c)	16-2675	0316-97-0465	6-Jan-98	WSF	Unfiltered	Aluminum	11000	UG/L	U	none
16-021(c)	16-2675	0316-97-0465	6-Jan-98	WSF	Unfiltered	Antimony	20	UG/L	R	none
16-021(c)	16-2675	0316-97-0465	6-Jan-98	WSF	Unfiltered	Arsenic	5	UG/L	none	none
16-021(c)	16-2675	0316-97-0465	6-Jan-98	WSF	Unfiltered	Barium	3600	UG/L	none	none
16-021(c)	16-2675	0316-97-0465	6-Jan-98	WSF	Unfiltered	Beryllium	4	UG/L	U	none
16-021(c)	16-2675	0316-97-0465	6-Jan-98	WSF	Unfiltered	Cadmium	5	UG/L	U	none
16-021(c)	16-2675	0316-97-0465	6-Jan-98	WSF	Unfiltered	Calcium	13000	UG/L	none	none
16-021(c)	16-2675	0316-97-0465	6-Jan-98	WSF	Unfiltered	Chromium, Total	10	UG/L	none	none
16-021(c)	16-2675	0316-97-0465	6-Jan-98	WSF	Unfiltered	Cobalt	20	UG/L	U	none
16-021(c)	16-2675	0316-97-0465	6-Jan-98	WSF	Unfiltered	Copper	20	UG/L	none	none

Table I-3.0-8 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier	Prep Method
16-021(c)	16-2675	0316-97-0465	6-Jan-98	WSF	Unfiltered	Cyanide, Total	10	UG/L	U	none
16-021(c)	16-2675	0316-97-0465	6-Jan-98	WSF	Unfiltered	Iron	12000	UG/L	U	none
16-021(c)	16-2675	0316-97-0465	6-Jan-98	WSF	Unfiltered	Lead	23	UG/L	J	none
16-021(c)	16-2675	0316-97-0465	6-Jan-98	WSF	Unfiltered	Magnesium	4400	UG/L	U	none
16-021(c)	16-2675	0316-97-0465	6-Jan-98	WSF	Unfiltered	Manganese	2200	UG/L	J	none
16-021(c)	16-2675	0316-97-0465	6-Jan-98	WSF	Unfiltered	Mercury	0.2	UG/L	U	none
16-021(c)	16-2675	0316-97-0465	6-Jan-98	WSF	Unfiltered	Nickel	40	UG/L	U	none
16-021(c)	16-2675	0316-97-0465	6-Jan-98	WSF	Unfiltered	Nitrogen, Nitrate + Nitrite (Expressed as N)	50	UG/L	nv	none
16-021(c)	16-2675	0316-97-0465	6-Jan-98	WSF	Unfiltered	Potassium	1000	UG/L	none	none
16-021(c)	16-2675	0316-97-0465	6-Jan-98	WSF	Unfiltered	Silver	10	UG/L	U	none
16-021(c)	16-2675	0316-97-0465	6-Jan-98	WSF	Unfiltered	Sodium	5100	UG/L	none	none
16-021(c)	16-2675	0316-97-0465	6-Jan-98	WSF	Unfiltered	Thallium	5	UG/L	UJ	none
16-021(c)	16-2675	0316-97-0465	6-Jan-98	WSF	Unfiltered	Vanadium	10	UG/L	none	none
16-021(c)	16-2675	0316-97-0465	6-Jan-98	WSF	Unfiltered	Zinc	70	UG/L	U	none
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	Aluminum	664	UG/L	none	none
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	Antimony	2	UG/L	U	none
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	Arsenic	3.1	UG/L	U	none
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	Barium	4170	UG/L	none	none
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	Beryllium	0.3	UG/L	U	none
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	Cadmium	0.4	UG/L	U	none
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	Calcium	17300	UG/L	none	none
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	Chromium, Total	2.1	UG/L	J	none
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	Cobalt	5.3	UG/L	J	none
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	Copper	6	UG/L	J	none
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	Iron	524	UG/L	none	none
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	Lead	2	UG/L	U	none
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	Magnesium	5010	UG/L	none	none

Table I-3.0-8 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier	Prep Method
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	Manganese	8.2	UG/L	J	none
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	Mercury	0.1	UG/L	U	none
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	Nickel	3.9	UG/L	J	none
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	Potassium	3190	UG/L	J	none
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	Selenium	3.1	UG/L	U	none
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	Silver	1	UG/L	J	none
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	Sodium	17500	UG/L	none	none
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	Thallium	3.8	UG/L	U	none
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	Vanadium	1.7	UG/L	J	none
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	Zinc	11.7	UG/L	J	none
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	Aluminum	2300	UG/L	none	none
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	Antimony	20	UG/L	UJ	none
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	Arsenic	24	UG/L	none	none
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	Barium	3100	UG/L	none	none
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	Beryllium	4	UG/L	U	none
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	Cadmium	5	UG/L	U	none
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	Calcium	14000	UG/L	U	none
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	Chromium, Total	10	UG/L	U	none
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	Cobalt	20	UG/L	U	none
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	Copper	20	UG/L	U	none
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	Iron	1300	UG/L	none	none
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	Lead	2	UG/L	J	none
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	Magnesium	3800	UG/L	none	none
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	Manganese	10	UG/L	U	none
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	Mercury	0.2	UG/L	U	none
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	Nickel	40	UG/L	U	none
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	Potassium	4000	UG/L	none	none
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	Selenium	4	UG/L	UJ	none

Table I-3.0-8 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier	Prep Method
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	Silicon	17000	UG/L	none	none
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	Silver	10	UG/L	U	none
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	Sodium	11000	UG/L	U	none
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	Thallium	5	UG/L	U	none
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	Vanadium	10	UG/L	U	none
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	Zinc	40	UG/L	J	none
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	Aluminum	100	UG/L	U	none
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	Antimony	20	UG/L	U	none
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	Arsenic	4	UG/L	U	none
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	Barium	630	UG/L	none	none
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	Beryllium	4	UG/L	U	none
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	Cadmium	5	UG/L	U	none
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	Calcium	18000	UG/L	none	none
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	Chromium, Total	10	UG/L	U	none
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	Cobalt	20	UG/L	U	none
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	Copper	20	UG/L	U	none
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	Cyanide, Total	10	UG/L	U	none
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	Iron	100	UG/L	U	none
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	Lead	2	UG/L	none	none
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	Magnesium	5000	UG/L	U	none
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	Manganese	20	UG/L	none	none
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	Mercury	0.2	UG/L	U	none
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	Nickel	40	UG/L	U	none
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	Nitrogen, Nitrate + Nitrite (Expressed as N)	90	UG/L	none	none
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	Potassium	3000	UG/L	none	none
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	Selenium	4	UG/L	UJ	none
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	Silver	10	UG/L	U	none

Table I-3.0-8 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier	Prep Method
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	Sodium	24000	UG/L	U	none
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	Thallium	5	UG/L	U	none
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	Vanadium	10	UG/L	U	none
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	Zinc	20	UG/L	U	none
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	Aluminum	300	UG/L	none	none
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	Antimony	20	UG/L	U	none
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	Arsenic	4	UG/L	U	none
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	Barium	630	UG/L	none	none
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	Beryllium	4	UG/L	U	none
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	Cadmium	5	UG/L	U	none
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	Calcium	18000	UG/L	none	none
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	Chromium, Total	10	UG/L	U	none
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	Cobalt	20	UG/L	U	none
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	Copper	20	UG/L	U	none
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	Cyanide, Total	10	UG/L	U	none
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	Iron	360	UG/L	U	none
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	Lead	2	UG/L	none	none
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	Magnesium	4900	UG/L	U	none
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	Manganese	30	UG/L	none	none
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	Mercury	0.2	UG/L	U	none
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	Nickel	40	UG/L	U	none
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	Nitrogen, Nitrate + Nitrite (Expressed as N)	90	UG/L	none	none
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	Potassium	3000	UG/L	none	none
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	Selenium	4	UG/L	U	none
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	Selenium	4	UG/L	UJ	none
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	Silver	10	UG/L	U	none
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	Sodium	24000	UG/L	none	none

Table I-3.0-8 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier	Prep Method
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	Thallium	5	UG/L	U	none
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	Vanadium	10	UG/L	U	none
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	Zinc	20	UG/L	U	none
16-021(c)	16-2747	0816-96-0045	28-Jun-96	Not Available	Filtered	Aluminum	700	UG/L	none	none
16-021(c)	16-2747	0816-96-0045	28-Jun-96	Not Available	Filtered	Antimony	20.2	UG/L	U	none
16-021(c)	16-2747	0816-96-0045	28-Jun-96	Not Available	Filtered	Arsenic	5.6	UG/L	J	none
16-021(c)	16-2747	0816-96-0045	28-Jun-96	Not Available	Filtered	Barium	3620	UG/L	none	none
16-021(c)	16-2747	0816-96-0045	28-Jun-96	Not Available	Filtered	Beryllium	0.11	UG/L	U	none
16-021(c)	16-2747	0816-96-0045	28-Jun-96	Not Available	Filtered	Cadmium	3.6	UG/L	J	none
16-021(c)	16-2747	0816-96-0045	28-Jun-96	Not Available	Filtered	Calcium	16100	UG/L	none	none
16-021(c)	16-2747	0816-96-0045	28-Jun-96	Not Available	Filtered	Chromium, Total	3.9	UG/L	U	none
16-021(c)	16-2747	0816-96-0045	28-Jun-96	Not Available	Filtered	Cobalt	10.4	UG/L	U	none
16-021(c)	16-2747	0816-96-0045	28-Jun-96	Not Available	Filtered	Copper	17.8	UG/L	U	none
16-021(c)	16-2747	0816-96-0045	28-Jun-96	Not Available	Filtered	Iron	424	UG/L	none	none
16-021(c)	16-2747	0816-96-0045	28-Jun-96	Not Available	Filtered	Lead	3.7	UG/L	none	none
16-021(c)	16-2747	0816-96-0045	28-Jun-96	Not Available	Filtered	Magnesium	4820	UG/L	J	none
16-021(c)	16-2747	0816-96-0045	28-Jun-96	Not Available	Filtered	Manganese	13.3	UG/L	J	none
16-021(c)	16-2747	0816-96-0045	28-Jun-96	Not Available	Filtered	Mercury	0.2	UG/L	U	none
16-021(c)	16-2747	0816-96-0045	28-Jun-96	Not Available	Filtered	Nickel	49.6	UG/L	U	none
16-021(c)	16-2747	0816-96-0045	28-Jun-96	Not Available	Filtered	Potassium	3270	UG/L	J	none
16-021(c)	16-2747	0816-96-0045	28-Jun-96	Not Available	Filtered	Selenium	2.7	UG/L	U	none
16-021(c)	16-2747	0816-96-0045	28-Jun-96	Not Available	Filtered	Silver	0.67	UG/L	U	none
16-021(c)	16-2747	0816-96-0045	28-Jun-96	Not Available	Filtered	Sodium	20400	UG/L	none	none
16-021(c)	16-2747	0816-96-0045	28-Jun-96	Not Available	Filtered	Thallium	2.9	UG/L	J	none
16-021(c)	16-2747	0816-96-0045	28-Jun-96	Not Available	Filtered	Uranium	0.22	UG/L	U	none
16-021(c)	16-2747	0816-96-0045	28-Jun-96	Not Available	Filtered	Vanadium	2.1	UG/L	J	none
16-021(c)	16-2747	0816-96-0045	28-Jun-96	Not Available	Filtered	Zinc	27.7	UG/L	none	none
16-021(c)	16-2748	0816-96-0046	28-Jun-96	Not Available	Filtered	Aluminum	391	UG/L	none	none

Table I-3.0-8 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier	Prep Method
16-021(c)	16-2748	0816-96-0046	28-Jun-96	Not Available	Filtered	Antimony	20.2	UG/L	U	none
16-021(c)	16-2748	0816-96-0046	28-Jun-96	Not Available	Filtered	Arsenic	3.1	UG/L	U	none
16-021(c)	16-2748	0816-96-0046	28-Jun-96	Not Available	Filtered	Barium	4210	UG/L	none	none
16-021(c)	16-2748	0816-96-0046	28-Jun-96	Not Available	Filtered	Beryllium	0.11	UG/L	U	none
16-021(c)	16-2748	0816-96-0046	28-Jun-96	Not Available	Filtered	Cadmium	3.1	UG/L	U	none
16-021(c)	16-2748	0816-96-0046	28-Jun-96	Not Available	Filtered	Calcium	16600	UG/L	none	none
16-021(c)	16-2748	0816-96-0046	28-Jun-96	Not Available	Filtered	Chromium, Total	3.9	UG/L	U	none
16-021(c)	16-2748	0816-96-0046	28-Jun-96	Not Available	Filtered	Cobalt	10.4	UG/L	U	none
16-021(c)	16-2748	0816-96-0046	28-Jun-96	Not Available	Filtered	Copper	8.5	UG/L	U	none
16-021(c)	16-2748	0816-96-0046	28-Jun-96	Not Available	Filtered	Iron	289	UG/L	none	none
16-021(c)	16-2748	0816-96-0046	28-Jun-96	Not Available	Filtered	Lead	1.9	UG/L	U	none
16-021(c)	16-2748	0816-96-0046	28-Jun-96	Not Available	Filtered	Magnesium	4750	UG/L	J	none
16-021(c)	16-2748	0816-96-0046	28-Jun-96	Not Available	Filtered	Manganese	49.8	UG/L	none	none
16-021(c)	16-2748	0816-96-0046	28-Jun-96	Not Available	Filtered	Mercury	0.2	UG/L	U	none
16-021(c)	16-2748	0816-96-0046	28-Jun-96	Not Available	Filtered	Nickel	18.2	UG/L	U	none
16-021(c)	16-2748	0816-96-0046	28-Jun-96	Not Available	Filtered	Potassium	3440	UG/L	J	none
16-021(c)	16-2748	0816-96-0046	28-Jun-96	Not Available	Filtered	Selenium	2.7	UG/L	U	none
16-021(c)	16-2748	0816-96-0046	28-Jun-96	Not Available	Filtered	Silver	0.67	UG/L	U	none
16-021(c)	16-2748	0816-96-0046	28-Jun-96	Not Available	Filtered	Sodium	24300	UG/L	none	none
16-021(c)	16-2748	0816-96-0046	28-Jun-96	Not Available	Filtered	Thallium	2.8	UG/L	U	none
16-021(c)	16-2748	0816-96-0046	28-Jun-96	Not Available	Filtered	Uranium	0.22	UG/L	U	none
16-021(c)	16-2748	0816-96-0046	28-Jun-96	Not Available	Filtered	Vanadium	2.1	UG/L	J	none
16-021(c)	16-2748	0816-96-0046	28-Jun-96	Not Available	Filtered	Zinc	8.6	UG/L	J	none
16-021(c)	16-2747	0816-96-0047	28-Jun-96	Not Available	Unfiltered	Aluminum	3250	UG/L	none	none
16-021(c)	16-2747	0816-96-0047	28-Jun-96	Not Available	Unfiltered	Antimony	20.2	UG/L	U	none
16-021(c)	16-2747	0816-96-0047	28-Jun-96	Not Available	Unfiltered	Arsenic	3.1	UG/L	U	none
16-021(c)	16-2747	0816-96-0047	28-Jun-96	Not Available	Unfiltered	Barium	4050	UG/L	none	none
16-021(c)	16-2747	0816-96-0047	28-Jun-96	Not Available	Unfiltered	Beryllium	0.12	UG/L	J	none

Table I-3.0-8 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier	Prep Method
16-021(c)	16-2747	0816-96-0047	28-Jun-96	Not Available	Unfiltered	Cadmium	5.2	UG/L	J	none
16-021(c)	16-2747	0816-96-0047	28-Jun-96	Not Available	Unfiltered	Calcium	17300	UG/L	none	none
16-021(c)	16-2747	0816-96-0047	28-Jun-96	Not Available	Unfiltered	Chromium, Total	6.1	UG/L	U	none
16-021(c)	16-2747	0816-96-0047	28-Jun-96	Not Available	Unfiltered	Cobalt	10.4	UG/L	U	none
16-021(c)	16-2747	0816-96-0047	28-Jun-96	Not Available	Unfiltered	Copper	7.6	UG/L	U	none
16-021(c)	16-2747	0816-96-0047	28-Jun-96	Not Available	Unfiltered	Cyanide, Total	12.3	UG/L	A	none
16-021(c)	16-2747	0816-96-0047	28-Jun-96	Not Available	Unfiltered	Cyanide, Total	12.3	UG/L	U	none
16-021(c)	16-2747	0816-96-0047	28-Jun-96	Not Available	Unfiltered	Iron	1720	UG/L	none	none
16-021(c)	16-2747	0816-96-0047	28-Jun-96	Not Available	Unfiltered	Lead	4.5	UG/L	none	none
16-021(c)	16-2747	0816-96-0047	28-Jun-96	Not Available	Unfiltered	Magnesium	5200	UG/L	J	none
16-021(c)	16-2747	0816-96-0047	28-Jun-96	Not Available	Unfiltered	Manganese	15.9	UG/L	J	none
16-021(c)	16-2747	0816-96-0047	28-Jun-96	Not Available	Unfiltered	Mercury	0.2	UG/L	U	none
16-021(c)	16-2747	0816-96-0047	28-Jun-96	Not Available	Unfiltered	Nickel	8.8	UG/L	U	none
16-021(c)	16-2747	0816-96-0047	28-Jun-96	Not Available	Unfiltered	Potassium	3630	UG/L	J	none
16-021(c)	16-2747	0816-96-0047	28-Jun-96	Not Available	Unfiltered	Selenium	2.7	UG/L	U	none
16-021(c)	16-2747	0816-96-0047	28-Jun-96	Not Available	Unfiltered	Silver	0.67	UG/L	U	none
16-021(c)	16-2747	0816-96-0047	28-Jun-96	Not Available	Unfiltered	Sodium	20600	UG/L	none	none
16-021(c)	16-2747	0816-96-0047	28-Jun-96	Not Available	Unfiltered	Thallium	2.8	UG/L	U	none
16-021(c)	16-2747	0816-96-0047	28-Jun-96	Not Available	Unfiltered	Uranium	0.27	UG/L	J	none
16-021(c)	16-2747	0816-96-0047	28-Jun-96	Not Available	Unfiltered	Vanadium	4.8	UG/L	J	none
16-021(c)	16-2747	0816-96-0047	28-Jun-96	Not Available	Unfiltered	Zinc	15.8	UG/L	J	none
16-021(c)	16-2748	0816-96-0048	28-Jun-96	Not Available	Unfiltered	Aluminum	2920	UG/L	none	none
16-021(c)	16-2748	0816-96-0048	28-Jun-96	Not Available	Unfiltered	Antimony	20.2	UG/L	U	none
16-021(c)	16-2748	0816-96-0048	28-Jun-96	Not Available	Unfiltered	Arsenic	3.1	UG/L	U	none
16-021(c)	16-2748	0816-96-0048	28-Jun-96	Not Available	Unfiltered	Barium	4410	UG/L	none	none
16-021(c)	16-2748	0816-96-0048	28-Jun-96	Not Available	Unfiltered	Beryllium	0.14	UG/L	J	none
16-021(c)	16-2748	0816-96-0048	28-Jun-96	Not Available	Unfiltered	Cadmium	3.9	UG/L	J	none
16-021(c)	16-2748	0816-96-0048	28-Jun-96	Not Available	Unfiltered	Calcium	16800	UG/L	none	none

Table I-3.0-8 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier	Prep Method
16-021(c)	16-2748	0816-96-0048	28-Jun-96	Not Available	Unfiltered	Chromium, Total	7.1	UG/L	U	none
16-021(c)	16-2748	0816-96-0048	28-Jun-96	Not Available	Unfiltered	Cobalt	10.4	UG/L	U	none
16-021(c)	16-2748	0816-96-0048	28-Jun-96	Not Available	Unfiltered	Copper	7.5	UG/L	U	none
16-021(c)	16-2748	0816-96-0048	28-Jun-96	Not Available	Unfiltered	Cyanide, Total	9.3	UG/L	J	none
16-021(c)	16-2748	0816-96-0048	28-Jun-96	Not Available	Unfiltered	Cyanide, Total	9.3	UG/L	J	none
16-021(c)	16-2748	0816-96-0048	28-Jun-96	Not Available	Unfiltered	Iron	1830	UG/L	none	none
16-021(c)	16-2748	0816-96-0048	28-Jun-96	Not Available	Unfiltered	Lead	2.2	UG/L	J	none
16-021(c)	16-2748	0816-96-0048	28-Jun-96	Not Available	Unfiltered	Magnesium	5000	UG/L	J	none
16-021(c)	16-2748	0816-96-0048	28-Jun-96	Not Available	Unfiltered	Manganese	70.7	UG/L	none	none
16-021(c)	16-2748	0816-96-0048	28-Jun-96	Not Available	Unfiltered	Mercury	0.2	UG/L	U	none
16-021(c)	16-2748	0816-96-0048	28-Jun-96	Not Available	Unfiltered	Nickel	7.2	UG/L	U	none
16-021(c)	16-2748	0816-96-0048	28-Jun-96	Not Available	Unfiltered	Potassium	3770	UG/L	J	none
16-021(c)	16-2748	0816-96-0048	28-Jun-96	Not Available	Unfiltered	Selenium	2.7	UG/L	U	none
16-021(c)	16-2748	0816-96-0048	28-Jun-96	Not Available	Unfiltered	Silver	0.67	UG/L	U	none
16-021(c)	16-2748	0816-96-0048	28-Jun-96	Not Available	Unfiltered	Sodium	22400	UG/L	none	none
16-021(c)	16-2748	0816-96-0048	28-Jun-96	Not Available	Unfiltered	Thallium	2.8	UG/L	U	none
16-021(c)	16-2748	0816-96-0048	28-Jun-96	Not Available	Unfiltered	Uranium	0.22	UG/L	U	none
16-021(c)	16-2748	0816-96-0048	28-Jun-96	Not Available	Unfiltered	Vanadium	3.7	UG/L	J	none
16-021(c)	16-2748	0816-96-0048	28-Jun-96	Not Available	Unfiltered	Zinc	13.3	UG/L	J	none
16-021(c)	16-2757	0816-96-0091	6-Sep-96	Not Available	Unfiltered	Aluminum	4110	UG/L	J+	none
16-021(c)	16-2757	0816-96-0091	6-Sep-96	Not Available	Unfiltered	Antimony	3	UG/L	U	none
16-021(c)	16-2757	0816-96-0091	6-Sep-96	Not Available	Unfiltered	Arsenic	6.2	UG/L	U	none
16-021(c)	16-2757	0816-96-0091	6-Sep-96	Not Available	Unfiltered	Barium	6520	UG/L	none	none
16-021(c)	16-2757	0816-96-0091	6-Sep-96	Not Available	Unfiltered	Beryllium	0.1	UG/L	U	none
16-021(c)	16-2757	0816-96-0091	6-Sep-96	Not Available	Unfiltered	Cadmium	0.3	UG/L	U	none
16-021(c)	16-2757	0816-96-0091	6-Sep-96	Not Available	Unfiltered	Calcium	19600	UG/L	none	none
16-021(c)	16-2757	0816-96-0091	6-Sep-96	Not Available	Unfiltered	Chromium, Total	2.4	UG/L	U	none
16-021(c)	16-2757	0816-96-0091	6-Sep-96	Not Available	Unfiltered	Cobalt	2.4	UG/L	U	none

Table I-3.0-8 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier	Prep Method
16-021(c)	16-2757	0816-96-0091	6-Sep-96	Not Available	Unfiltered	Copper	8.1	UG/L	J	none
16-021(c)	16-2757	0816-96-0091	6-Sep-96	Not Available	Unfiltered	Iron	4470	UG/L	none	none
16-021(c)	16-2757	0816-96-0091	6-Sep-96	Not Available	Unfiltered	Lead	16	UG/L	none	none
16-021(c)	16-2757	0816-96-0091	6-Sep-96	Not Available	Unfiltered	Magnesium	5890	UG/L	none	none
16-021(c)	16-2757	0816-96-0091	6-Sep-96	Not Available	Unfiltered	Manganese	359	UG/L	none	none
16-021(c)	16-2757	0816-96-0091	6-Sep-96	Not Available	Unfiltered	Mercury	0.03	UG/L	J	none
16-021(c)	16-2757	0816-96-0091	6-Sep-96	Not Available	Unfiltered	Nickel	8.6	UG/L	J+	none
16-021(c)	16-2757	0816-96-0091	6-Sep-96	Not Available	Unfiltered	Nitrogen, Nitrate + Nitrite (Expressed as N)	1000	UG/L	nv	none
16-021(c)	16-2757	0816-96-0091	6-Sep-96	Not Available	Unfiltered	Potassium	3910	UG/L	J	none
16-021(c)	16-2757	0816-96-0091	6-Sep-96	Not Available	Unfiltered	Selenium	2.9	UG/L	U	none
16-021(c)	16-2757	0816-96-0091	6-Sep-96	Not Available	Unfiltered	Silver	1.3	UG/L	U	none
16-021(c)	16-2757	0816-96-0091	6-Sep-96	Not Available	Unfiltered	Sodium	20500	UG/L	none	none
16-021(c)	16-2757	0816-96-0091	6-Sep-96	Not Available	Unfiltered	Thallium	3.4	UG/L	U	none
16-021(c)	16-2757	0816-96-0091	6-Sep-96	Not Available	Unfiltered	Uranium	0.46	UG/L	J-	none
16-021(c)	16-2757	0816-96-0091	6-Sep-96	Not Available	Unfiltered	Vanadium	9.3	UG/L	J+	none
16-021(c)	16-2757	0816-96-0091	6-Sep-96	Not Available	Unfiltered	Zinc	21.5	UG/L	none	none
16-021(c)	16-2758	0816-96-0092	6-Sep-96	Not Available	Unfiltered	Aluminum	320	UG/L	J+	none
16-021(c)	16-2758	0816-96-0092	6-Sep-96	Not Available	Unfiltered	Antimony	3	UG/L	U	none
16-021(c)	16-2758	0816-96-0092	6-Sep-96	Not Available	Unfiltered	Arsenic	2	UG/L	U	none
16-021(c)	16-2758	0816-96-0092	6-Sep-96	Not Available	Unfiltered	Barium	4190	UG/L	none	none
16-021(c)	16-2758	0816-96-0092	6-Sep-96	Not Available	Unfiltered	Beryllium	0.1	UG/L	U	none
16-021(c)	16-2758	0816-96-0092	6-Sep-96	Not Available	Unfiltered	Cadmium	0.3	UG/L	U	none
16-021(c)	16-2758	0816-96-0092	6-Sep-96	Not Available	Unfiltered	Calcium	17500	UG/L	none	none
16-021(c)	16-2758	0816-96-0092	6-Sep-96	Not Available	Unfiltered	Chromium, Total	0.5	UG/L	U	none
16-021(c)	16-2758	0816-96-0092	6-Sep-96	Not Available	Unfiltered	Cobalt	0.4	UG/L	U	none
16-021(c)	16-2758	0816-96-0092	6-Sep-96	Not Available	Unfiltered	Copper	0.5	UG/L	U	none
16-021(c)	16-2758	0816-96-0092	6-Sep-96	Not Available	Unfiltered	Iron	219	UG/L	none	none

Table I-3.0-8 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier	Prep Method
16-021(c)	16-2758	0816-96-0092	6-Sep-96	Not Available	Unfiltered	Lead	1.2	UG/L	U	none
16-021(c)	16-2758	0816-96-0092	6-Sep-96	Not Available	Unfiltered	Magnesium	5050	UG/L	none	none
16-021(c)	16-2758	0816-96-0092	6-Sep-96	Not Available	Unfiltered	Manganese	4.2	UG/L	U	none
16-021(c)	16-2758	0816-96-0092	6-Sep-96	Not Available	Unfiltered	Mercury	0.02	UG/L	U	none
16-021(c)	16-2758	0816-96-0092	6-Sep-96	Not Available	Unfiltered	Nickel	1.7	UG/L	J	none
16-021(c)	16-2758	0816-96-0092	6-Sep-96	Not Available	Unfiltered	Nitrogen, Nitrate + Nitrite (Expressed as N)	1100	UG/L	nv	none
16-021(c)	16-2758	0816-96-0092	6-Sep-96	Not Available	Unfiltered	Potassium	3110	UG/L	J	none
16-021(c)	16-2758	0816-96-0092	6-Sep-96	Not Available	Unfiltered	Selenium	1.8	UG/L	U	none
16-021(c)	16-2758	0816-96-0092	6-Sep-96	Not Available	Unfiltered	Silver	1	UG/L	U	none
16-021(c)	16-2758	0816-96-0092	6-Sep-96	Not Available	Unfiltered	Sodium	20300	UG/L	none	none
16-021(c)	16-2758	0816-96-0092	6-Sep-96	Not Available	Unfiltered	Thallium	3.4	UG/L	U	none
16-021(c)	16-2758	0816-96-0092	6-Sep-96	Not Available	Unfiltered	Uranium	0.16	UG/L	J-	none
16-021(c)	16-2758	0816-96-0092	6-Sep-96	Not Available	Unfiltered	Vanadium	1.3	UG/L	U	none
16-021(c)	16-2758	0816-96-0092	6-Sep-96	Not Available	Unfiltered	Zinc	4.4	UG/L	U	none
16-021(c)	16-2759	0816-96-0093	06-Sep-96	Not Available	Unfiltered	Aluminum	295	UG/L	J+	none
16-021(c)	16-2759	0816-96-0093	06-Sep-96	Not Available	Unfiltered	Antimony	3	UG/L	none	none
16-021(c)	16-2759	0816-96-0093	06-Sep-96	Not Available	Unfiltered	Arsenic	2.8	UG/L	U	none
16-021(c)	16-2759	0816-96-0093	06-Sep-96	Not Available	Unfiltered	Barium	4200	UG/L	none	none
16-021(c)	16-2759	0816-96-0093	06-Sep-96	Not Available	Unfiltered	Beryllium	0.1	UG/L	U	none
16-021(c)	16-2759	0816-96-0093	06-Sep-96	Not Available	Unfiltered	Cadmium	0.3	UG/L	U	none
16-021(c)	16-2759	0816-96-0093	06-Sep-96	Not Available	Unfiltered	Calcium	17400	UG/L	none	none
16-021(c)	16-2759	0816-96-0093	06-Sep-96	Not Available	Unfiltered	Chromium, Total	0.5	UG/L	U	none
16-021(c)	16-2759	0816-96-0093	06-Sep-96	Not Available	Unfiltered	Cobalt	1	UG/L	U	none
16-021(c)	16-2759	0816-96-0093	06-Sep-96	Not Available	Unfiltered	Copper	0.5	UG/L	U	none
16-021(c)	16-2759	0816-96-0093	06-Sep-96	Not Available	Unfiltered	Cyanide, Total	5	UG/L	U	none
16-021(c)	16-2759	0816-96-0093	06-Sep-96	Not Available	Unfiltered	Iron	204	UG/L	none	none
16-021(c)	16-2759	0816-96-0093	06-Sep-96	Not Available	Unfiltered	Lead	1.2	UG/L	U	none

Table I-3.0-8 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier	Prep Method
16-021(c)	16-2759	0816-96-0093	06-Sep-96	Not Available	Unfiltered	Magnesium	5010	UG/L	none	none
16-021(c)	16-2759	0816-96-0093	06-Sep-96	Not Available	Unfiltered	Manganese	3.2	UG/L	U	none
16-021(c)	16-2759	0816-96-0093	06-Sep-96	Not Available	Unfiltered	Mercury	0.02	UG/L	U	none
16-021(c)	16-2759	0816-96-0093	06-Sep-96	Not Available	Unfiltered	Nickel	1.5	UG/L	J	none
16-021(c)	16-2759	0816-96-0093	06-Sep-96	Not Available	Unfiltered	Nitrogen, Nitrate + Nitrite (Expressed as N)	1100	UG/L	none	none
16-021(c)	16-2759	0816-96-0093	06-Sep-96	Not Available	Unfiltered	Potassium	2990	UG/L	J	none
16-021(c)	16-2759	0816-96-0093	06-Sep-96	Not Available	Unfiltered	Selenium	3.2	UG/L	U	none
16-021(c)	16-2759	0816-96-0093	06-Sep-96	Not Available	Unfiltered	Silver	1.5	UG/L	U	none
16-021(c)	16-2759	0816-96-0093	06-Sep-96	Not Available	Unfiltered	Sodium	20100	UG/L	none	none
16-021(c)	16-2759	0816-96-0093	06-Sep-96	Not Available	Unfiltered	Thallium	3.4	UG/L	U	none
16-021(c)	16-2759	0816-96-0093	06-Sep-96	Not Available	Unfiltered	Uranium	0.16	UG/L	J-	none
16-021(c)	16-2759	0816-96-0093	06-Sep-96	Not Available	Unfiltered	Vanadium	2.5	UG/L	U	none
16-021(c)	16-2759	0816-96-0093	06-Sep-96	Not Available	Unfiltered	Zinc	2.4	UG/L	U	none
16-021(c)	16-2760	0816-96-0094	06-Sep-96	Not Available	Unfiltered	Aluminum	773	UG/L	J+	none
16-021(c)	16-2760	0816-96-0094	06-Sep-96	Not Available	Unfiltered	Antimony	3	UG/L	none	none
16-021(c)	16-2760	0816-96-0094	06-Sep-96	Not Available	Unfiltered	Arsenic	2.3	UG/L	U	none
16-021(c)	16-2760	0816-96-0094	06-Sep-96	Not Available	Unfiltered	Barium	1540	UG/L	none	none
16-021(c)	16-2760	0816-96-0094	06-Sep-96	Not Available	Unfiltered	Beryllium	0.1	UG/L	U	none
16-021(c)	16-2760	0816-96-0094	06-Sep-96	Not Available	Unfiltered	Cadmium	0.3	UG/L	U	none
16-021(c)	16-2760	0816-96-0094	06-Sep-96	Not Available	Unfiltered	Calcium	16900	UG/L	none	none
16-021(c)	16-2760	0816-96-0094	06-Sep-96	Not Available	Unfiltered	Chromium, Total	1.5	UG/L	U	none
16-021(c)	16-2760	0816-96-0094	06-Sep-96	Not Available	Unfiltered	Cobalt	0.9	UG/L	U	none
16-021(c)	16-2760	0816-96-0094	06-Sep-96	Not Available	Unfiltered	Copper	1.4	UG/L	U	none
16-021(c)	16-2760	0816-96-0094	06-Sep-96	Not Available	Unfiltered	Cyanide, Total	4	UG/L	U	none
16-021(c)	16-2760	0816-96-0094	06-Sep-96	Not Available	Unfiltered	Iron	475	UG/L	none	none
16-021(c)	16-2760	0816-96-0094	06-Sep-96	Not Available	Unfiltered	Lead	1.2	UG/L	U	none
16-021(c)	16-2760	0816-96-0094	06-Sep-96	Not Available	Unfiltered	Magnesium	5040	UG/L	none	none

Table I-3.0-8 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier	Prep Method
16-021(c)	16-2760	0816-96-0094	06-Sep-96	Not Available	Unfiltered	Manganese	4.9	UG/L	U	none
16-021(c)	16-2760	0816-96-0094	06-Sep-96	Not Available	Unfiltered	Mercury	0.02	UG/L	U	none
16-021(c)	16-2760	0816-96-0094	06-Sep-96	Not Available	Unfiltered	Nickel	2.8	UG/L	J	none
16-021(c)	16-2760	0816-96-0094	06-Sep-96	Not Available	Unfiltered	Nitrogen, Nitrate + Nitrite (Expressed as N)	900	UG/L	none	none
16-021(c)	16-2760	0816-96-0094	06-Sep-96	Not Available	Unfiltered	Potassium	3030	UG/L	J	none
16-021(c)	16-2760	0816-96-0094	06-Sep-96	Not Available	Unfiltered	Selenium	1.8	UG/L	U	none
16-021(c)	16-2760	0816-96-0094	06-Sep-96	Not Available	Unfiltered	Silver	1.5	UG/L	U	none
16-021(c)	16-2760	0816-96-0094	06-Sep-96	Not Available	Unfiltered	Sodium	19900	UG/L	none	none
16-021(c)	16-2760	0816-96-0094	06-Sep-96	Not Available	Unfiltered	Thallium	3.4	UG/L	U	none
16-021(c)	16-2760	0816-96-0094	06-Sep-96	Not Available	Unfiltered	Uranium	0.43	UG/L	J-	none
16-021(c)	16-2760	0816-96-0094	06-Sep-96	Not Available	Unfiltered	Vanadium	3.2	UG/L	U	none
16-021(c)	16-2760	0816-96-0094	06-Sep-96	Not Available	Unfiltered	Zinc	4.2	UG/L	U	none
16-021(c)	16-2761	0816-96-0095	06-Sep-96	Not Available	Unfiltered	Aluminum	746	UG/L	J+	none
16-021(c)	16-2761	0816-96-0095	06-Sep-96	Not Available	Unfiltered	Antimony	3	UG/L	none	none
16-021(c)	16-2761	0816-96-0095	06-Sep-96	Not Available	Unfiltered	Arsenic	1.6	UG/L	U	none
16-021(c)	16-2761	0816-96-0095	06-Sep-96	Not Available	Unfiltered	Barium	1590	UG/L	none	none
16-021(c)	16-2761	0816-96-0095	06-Sep-96	Not Available	Unfiltered	Beryllium	0.1	UG/L	U	none
16-021(c)	16-2761	0816-96-0095	06-Sep-96	Not Available	Unfiltered	Cadmium	0.3	UG/L	U	none
16-021(c)	16-2761	0816-96-0095	06-Sep-96	Not Available	Unfiltered	Calcium	16900	UG/L	none	none
16-021(c)	16-2761	0816-96-0095	06-Sep-96	Not Available	Unfiltered	Chromium, Total	0.5	UG/L	U	none
16-021(c)	16-2761	0816-96-0095	06-Sep-96	Not Available	Unfiltered	Cobalt	0.66	UG/L	U	none
16-021(c)	16-2761	0816-96-0095	06-Sep-96	Not Available	Unfiltered	Copper	0.5	UG/L	U	none
16-021(c)	16-2761	0816-96-0095	06-Sep-96	Not Available	Unfiltered	Cyanide, Total	3.8	UG/L	U	none
16-021(c)	16-2761	0816-96-0095	06-Sep-96	Not Available	Unfiltered	Iron	445	UG/L	none	none
16-021(c)	16-2761	0816-96-0095	06-Sep-96	Not Available	Unfiltered	Lead	1.2	UG/L	U	none
16-021(c)	16-2761	0816-96-0095	06-Sep-96	Not Available	Unfiltered	Magnesium	5030	UG/L	none	none
16-021(c)	16-2761	0816-96-0095	06-Sep-96	Not Available	Unfiltered	Manganese	8.5	UG/L	J	none

Table I-3.0-8 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier	Prep Method
16-021(c)	16-2761	0816-96-0095	06-Sep-96	Not Available	Unfiltered	Mercury	0.02	UG/L	U	none
16-021(c)	16-2761	0816-96-0095	06-Sep-96	Not Available	Unfiltered	Nickel	2.9	UG/L	J	none
16-021(c)	16-2761	0816-96-0095	06-Sep-96	Not Available	Unfiltered	Nitrogen, Nitrate + Nitrite (Expressed as N)	500	UG/L	none	none
16-021(c)	16-2761	0816-96-0095	06-Sep-96	Not Available	Unfiltered	Potassium	2980	UG/L	J	none
16-021(c)	16-2761	0816-96-0095	06-Sep-96	Not Available	Unfiltered	Selenium	2.5	UG/L	U	none
16-021(c)	16-2761	0816-96-0095	06-Sep-96	Not Available	Unfiltered	Silver	1	UG/L	U	none
16-021(c)	16-2761	0816-96-0095	06-Sep-96	Not Available	Unfiltered	Sodium	19200	UG/L	none	none
16-021(c)	16-2761	0816-96-0095	06-Sep-96	Not Available	Unfiltered	Thallium	3.4	UG/L	U	none
16-021(c)	16-2761	0816-96-0095	06-Sep-96	Not Available	Unfiltered	Uranium	0.41	UG/L	J-	none
16-021(c)	16-2761	0816-96-0095	06-Sep-96	Not Available	Unfiltered	Vanadium	3.1	UG/L	U	none
16-021(c)	16-2761	0816-96-0095	06-Sep-96	Not Available	Unfiltered	Zinc	5.2	UG/L	U	none
16-021(c)	16-2762	0816-96-0096	06-Sep-96	Not Available	Unfiltered	Aluminum	978	UG/L	J+	none
16-021(c)	16-2762	0816-96-0096	06-Sep-96	Not Available	Unfiltered	Antimony	3	UG/L	none	none
16-021(c)	16-2762	0816-96-0096	06-Sep-96	Not Available	Unfiltered	Arsenic	1.6	UG/L	U	none
16-021(c)	16-2762	0816-96-0096	06-Sep-96	Not Available	Unfiltered	Barium	1700	UG/L	none	none
16-021(c)	16-2762	0816-96-0096	06-Sep-96	Not Available	Unfiltered	Beryllium	0.1	UG/L	U	none
16-021(c)	16-2762	0816-96-0096	06-Sep-96	Not Available	Unfiltered	Cadmium	0.3	UG/L	U	none
16-021(c)	16-2762	0816-96-0096	06-Sep-96	Not Available	Unfiltered	Calcium	17400	UG/L	none	none
16-021(c)	16-2762	0816-96-0096	06-Sep-96	Not Available	Unfiltered	Chromium, Total	0.94	UG/L	U	none
16-021(c)	16-2762	0816-96-0096	06-Sep-96	Not Available	Unfiltered	Cobalt	1.2	UG/L	U	none
16-021(c)	16-2762	0816-96-0096	06-Sep-96	Not Available	Unfiltered	Copper	1.3	UG/L	U	none
16-021(c)	16-2762	0816-96-0096	06-Sep-96	Not Available	Unfiltered	Cyanide, Total	3.8	UG/L	U	none
16-021(c)	16-2762	0816-96-0096	06-Sep-96	Not Available	Unfiltered	Iron	646	UG/L	none	none
16-021(c)	16-2762	0816-96-0096	06-Sep-96	Not Available	Unfiltered	Lead	1.2	UG/L	U	none
16-021(c)	16-2762	0816-96-0096	06-Sep-96	Not Available	Unfiltered	Magnesium	5140	UG/L	none	none
16-021(c)	16-2762	0816-96-0096	06-Sep-96	Not Available	Unfiltered	Manganese	47.5	UG/L	none	none
16-021(c)	16-2762	0816-96-0096	06-Sep-96	Not Available	Unfiltered	Mercury	0.02	UG/L	U	none

Table I-3.0-8 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier	Prep Method
16-021(c)	16-2762	0816-96-0096	06-Sep-96	Not Available	Unfiltered	Nickel	4.5	UG/L	J	none
16-021(c)	16-2762	0816-96-0096	06-Sep-96	Not Available	Unfiltered	Nitrogen, Nitrate + Nitrite (Expressed as N)	600	UG/L	none	none
16-021(c)	16-2762	0816-96-0096	06-Sep-96	Not Available	Unfiltered	Potassium	2980	UG/L	J	none
16-021(c)	16-2762	0816-96-0096	06-Sep-96	Not Available	Unfiltered	Selenium	1.9	UG/L	U	none
16-021(c)	16-2762	0816-96-0096	06-Sep-96	Not Available	Unfiltered	Silver	1.2	UG/L	U	none
16-021(c)	16-2762	0816-96-0096	06-Sep-96	Not Available	Unfiltered	Sodium	19200	UG/L	none	none
16-021(c)	16-2762	0816-96-0096	06-Sep-96	Not Available	Unfiltered	Thallium	3.4	UG/L	U	none
16-021(c)	16-2762	0816-96-0096	06-Sep-96	Not Available	Unfiltered	Uranium	0.57	UG/L	J-	none
16-021(c)	16-2762	0816-96-0096	06-Sep-96	Not Available	Unfiltered	Vanadium	4.7	UG/L	U	none
16-021(c)	16-2762	0816-96-0096	06-Sep-96	Not Available	Unfiltered	Zinc	3.7	UG/L	U	none
16-021(c)	16-2763	0816-96-0097	06-Sep-96	Not Available	Unfiltered	Aluminum	574	UG/L	J+	none
16-021(c)	16-2763	0816-96-0097	06-Sep-96	Not Available	Unfiltered	Antimony	3	UG/L	U	none
16-021(c)	16-2763	0816-96-0097	06-Sep-96	Not Available	Unfiltered	Arsenic	2.7	UG/L	U	none
16-021(c)	16-2763	0816-96-0097	06-Sep-96	Not Available	Unfiltered	Barium	1570	UG/L	none	none
16-021(c)	16-2763	0816-96-0097	06-Sep-96	Not Available	Unfiltered	Beryllium	0.1	UG/L	U	none
16-021(c)	16-2763	0816-96-0097	06-Sep-96	Not Available	Unfiltered	Cadmium	0.3	UG/L	U	none
16-021(c)	16-2763	0816-96-0097	06-Sep-96	Not Available	Unfiltered	Calcium	16900	UG/L	none	none
16-021(c)	16-2763	0816-96-0097	06-Sep-96	Not Available	Unfiltered	Chromium, Total	1.1	UG/L	U	none
16-021(c)	16-2763	0816-96-0097	06-Sep-96	Not Available	Unfiltered	Cobalt	1	UG/L	U	none
16-021(c)	16-2763	0816-96-0097	06-Sep-96	Not Available	Unfiltered	Copper	1.7	UG/L	U	none
16-021(c)	16-2763	0816-96-0097	06-Sep-96	Not Available	Unfiltered	Cyanide, Total	4	UG/L	U	none
16-021(c)	16-2763	0816-96-0097	06-Sep-96	Not Available	Unfiltered	Iron	376	UG/L	none	none
16-021(c)	16-2763	0816-96-0097	06-Sep-96	Not Available	Unfiltered	Lead	1.2	UG/L	U	none
16-021(c)	16-2763	0816-96-0097	06-Sep-96	Not Available	Unfiltered	Magnesium	5020	UG/L	none	none
16-021(c)	16-2763	0816-96-0097	06-Sep-96	Not Available	Unfiltered	Manganese	3.4	UG/L	U	none
16-021(c)	16-2763	0816-96-0097	06-Sep-96	Not Available	Unfiltered	Mercury	0.02	UG/L	U	none
16-021(c)	16-2763	0816-96-0097	06-Sep-96	Not Available	Unfiltered	Nickel	4.3	UG/L	J	none

Table I-3.0-8 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier	Prep Method
16-021(c)	16-2763	0816-96-0097	06-Sep-96	Not Available	Unfiltered	Nitrogen, Nitrate + Nitrite (Expressed as N)	500	UG/L	none	none
16-021(c)	16-2763	0816-96-0097	06-Sep-96	Not Available	Unfiltered	Potassium	2840	UG/L	J	none
16-021(c)	16-2763	0816-96-0097	06-Sep-96	Not Available	Unfiltered	Selenium	2.9	UG/L	U	none
16-021(c)	16-2763	0816-96-0097	06-Sep-96	Not Available	Unfiltered	Silver	1.3	UG/L	U	none
16-021(c)	16-2763	0816-96-0097	06-Sep-96	Not Available	Unfiltered	Sodium	19200	UG/L	none	none
16-021(c)	16-2763	0816-96-0097	06-Sep-96	Not Available	Unfiltered	Thallium	3.4	UG/L	U	none
16-021(c)	16-2763	0816-96-0097	06-Sep-96	Not Available	Unfiltered	Uranium	0.38	UG/L	J-	none
16-021(c)	16-2763	0816-96-0097	06-Sep-96	Not Available	Unfiltered	Vanadium	3	UG/L	U	none
16-021(c)	16-2763	0816-96-0097	06-Sep-96	Not Available	Unfiltered	Zinc	33	UG/L	none	none
16-021(c)	16-2764	0816-96-0098	06-Sep-96	Not Available	Unfiltered	Aluminum	660	UG/L	J+	none
16-021(c)	16-2764	0816-96-0098	06-Sep-96	Not Available	Unfiltered	Antimony	3	UG/L	U	none
16-021(c)	16-2764	0816-96-0098	06-Sep-96	Not Available	Unfiltered	Arsenic	1.6	UG/L	U	none
16-021(c)	16-2764	0816-96-0098	06-Sep-96	Not Available	Unfiltered	Barium	1640	UG/L	none	none
16-021(c)	16-2764	0816-96-0098	06-Sep-96	Not Available	Unfiltered	Beryllium	0.1	UG/L	U	none
16-021(c)	16-2764	0816-96-0098	06-Sep-96	Not Available	Unfiltered	Cadmium	0.3	UG/L	U	none
16-021(c)	16-2764	0816-96-0098	06-Sep-96	Not Available	Unfiltered	Calcium	17000	UG/L	none	none
16-021(c)	16-2764	0816-96-0098	06-Sep-96	Not Available	Unfiltered	Chromium, Total	0.5	UG/L	U	none
16-021(c)	16-2764	0816-96-0098	06-Sep-96	Not Available	Unfiltered	Cobalt	0.78	UG/L	U	none
16-021(c)	16-2764	0816-96-0098	06-Sep-96	Not Available	Unfiltered	Copper	0.5	UG/L	U	none
16-021(c)	16-2764	0816-96-0098	06-Sep-96	Not Available	Unfiltered	Cyanide, Total	6	UG/L	U	none
16-021(c)	16-2764	0816-96-0098	06-Sep-96	Not Available	Unfiltered	Iron	396	UG/L	none	none
16-021(c)	16-2764	0816-96-0098	06-Sep-96	Not Available	Unfiltered	Lead	1.2	UG/L	U	none
16-021(c)	16-2764	0816-96-0098	06-Sep-96	Not Available	Unfiltered	Magnesium	5060	UG/L	none	none
16-021(c)	16-2764	0816-96-0098	06-Sep-96	Not Available	Unfiltered	Manganese	7	UG/L	J	none
16-021(c)	16-2764	0816-96-0098	06-Sep-96	Not Available	Unfiltered	Mercury	0.02	UG/L	U	none
16-021(c)	16-2764	0816-96-0098	06-Sep-96	Not Available	Unfiltered	Nickel	3.1	UG/L	J	none
16-021(c)	16-2764	0816-96-0098	06-Sep-96	Not Available	Unfiltered	Nitrogen, Nitrate + Nitrite	500	UG/L	U	none

Table I-3.0-8 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier	Prep Method
						(Expressed as N)				
16-021(c)	16-2764	0816-96-0098	06-Sep-96	Not Available	Unfiltered	Potassium	2810	UG/L	J	none
16-021(c)	16-2764	0816-96-0098	06-Sep-96	Not Available	Unfiltered	Selenium	1.8	UG/L	U	none
16-021(c)	16-2764	0816-96-0098	06-Sep-96	Not Available	Unfiltered	Silver	1.2	UG/L	U	none
16-021(c)	16-2764	0816-96-0098	06-Sep-96	Not Available	Unfiltered	Sodium	19200	UG/L	none	none
16-021(c)	16-2764	0816-96-0098	06-Sep-96	Not Available	Unfiltered	Thallium	3.4	UG/L	U	none
16-021(c)	16-2764	0816-96-0098	06-Sep-96	Not Available	Unfiltered	Uranium	0.36	UG/L	J-	none
16-021(c)	16-2764	0816-96-0098	06-Sep-96	Not Available	Unfiltered	Vanadium	2.6	UG/L	U	none
16-021(c)	16-2764	0816-96-0098	06-Sep-96	Not Available	Unfiltered	Zinc	8.9	UG/L	U	none
16-021(c)	16-2765	0816-96-0099	06-Sep-96	Not Available	Unfiltered	Aluminum	579	UG/L	J+	none
16-021(c)	16-2765	0816-96-0099	06-Sep-96	Not Available	Unfiltered	Antimony	3	UG/L	U	none
16-021(c)	16-2765	0816-96-0099	06-Sep-96	Not Available	Unfiltered	Arsenic	2.2	UG/L	U	none
16-021(c)	16-2765	0816-96-0099	06-Sep-96	Not Available	Unfiltered	Barium	1700	UG/L	none	none
16-021(c)	16-2765	0816-96-0099	06-Sep-96	Not Available	Unfiltered	Beryllium	0.1	UG/L	U	none
16-021(c)	16-2765	0816-96-0099	06-Sep-96	Not Available	Unfiltered	Cadmium	0.3	UG/L	U	none
16-021(c)	16-2765	0816-96-0099	06-Sep-96	Not Available	Unfiltered	Calcium	17100	UG/L	none	none
16-021(c)	16-2765	0816-96-0099	06-Sep-96	Not Available	Unfiltered	Chromium, Total	0.65	UG/L	U	none
16-021(c)	16-2765	0816-96-0099	06-Sep-96	Not Available	Unfiltered	Cobalt	0.78	UG/L	U	none
16-021(c)	16-2765	0816-96-0099	06-Sep-96	Not Available	Unfiltered	Copper	0.5	UG/L	U	none
16-021(c)	16-2765	0816-96-0099	06-Sep-96	Not Available	Unfiltered	Cyanide, Total	4	UG/L	U	none
16-021(c)	16-2765	0816-96-0099	06-Sep-96	Not Available	Unfiltered	Iron	384	UG/L	none	none
16-021(c)	16-2765	0816-96-0099	06-Sep-96	Not Available	Unfiltered	Lead	1.2	UG/L	U	none
16-021(c)	16-2765	0816-96-0099	06-Sep-96	Not Available	Unfiltered	Magnesium	5110	UG/L	none	none
16-021(c)	16-2765	0816-96-0099	06-Sep-96	Not Available	Unfiltered	Manganese	10.8	UG/L	J	none
16-021(c)	16-2765	0816-96-0099	06-Sep-96	Not Available	Unfiltered	Mercury	0.02	UG/L	U	none
16-021(c)	16-2765	0816-96-0099	06-Sep-96	Not Available	Unfiltered	Nickel	3.1	UG/L	J	none
16-021(c)	16-2765	0816-96-0099	06-Sep-96	Not Available	Unfiltered	Nitrogen, Nitrate + Nitrite (Expressed as N)	500	UG/L	U	none

Table I-3.0-8 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier	Prep Method
16-021(c)	16-2765	0816-96-0099	06-Sep-96	Not Available	Unfiltered	Potassium	2830	UG/L	J	none
16-021(c)	16-2765	0816-96-0099	06-Sep-96	Not Available	Unfiltered	Selenium	1.8	UG/L	U	none
16-021(c)	16-2765	0816-96-0099	06-Sep-96	Not Available	Unfiltered	Silver	1.2	UG/L	U	none
16-021(c)	16-2765	0816-96-0099	06-Sep-96	Not Available	Unfiltered	Sodium	19300	UG/L	none	none
16-021(c)	16-2765	0816-96-0099	06-Sep-96	Not Available	Unfiltered	Thallium	3.4	UG/L	U	none
16-021(c)	16-2765	0816-96-0099	06-Sep-96	Not Available	Unfiltered	Uranium	0.35	UG/L	J-	none
16-021(c)	16-2765	0816-96-0099	06-Sep-96	Not Available	Unfiltered	Vanadium	3	UG/L	U	none
16-021(c)	16-2765	0816-96-0099	06-Sep-96	Not Available	Unfiltered	Zinc	2.4	UG/L	U	none
16-021(c)	16-2766	0816-96-0100	06-Sep-96	Not Available	Unfiltered	Aluminum	524	UG/L	J+	none
16-021(c)	16-2766	0816-96-0100	06-Sep-96	Not Available	Unfiltered	Antimony	3	UG/L	U	none
16-021(c)	16-2766	0816-96-0100	06-Sep-96	Not Available	Unfiltered	Arsenic	2.1	UG/L	U	none
16-021(c)	16-2766	0816-96-0100	06-Sep-96	Not Available	Unfiltered	Barium	2320	UG/L	none	none
16-021(c)	16-2766	0816-96-0100	06-Sep-96	Not Available	Unfiltered	Beryllium	0.1	UG/L	U	none
16-021(c)	16-2766	0816-96-0100	06-Sep-96	Not Available	Unfiltered	Cadmium	0.3	UG/L	U	none
16-021(c)	16-2766	0816-96-0100	06-Sep-96	Not Available	Unfiltered	Calcium	17400	UG/L	none	none
16-021(c)	16-2766	0816-96-0100	06-Sep-96	Not Available	Unfiltered	Chromium, Total	0.5	UG/L	U	none
16-021(c)	16-2766	0816-96-0100	06-Sep-96	Not Available	Unfiltered	Cobalt	0.85	UG/L	U	none
16-021(c)	16-2766	0816-96-0100	06-Sep-96	Not Available	Unfiltered	Copper	0.5	UG/L	U	none
16-021(c)	16-2766	0816-96-0100	06-Sep-96	Not Available	Unfiltered	Cyanide, Total	5	UG/L	U	none
16-021(c)	16-2766	0816-96-0100	06-Sep-96	Not Available	Unfiltered	Iron	517	UG/L	none	none
16-021(c)	16-2766	0816-96-0100	06-Sep-96	Not Available	Unfiltered	Lead	1.2	UG/L	U	none
16-021(c)	16-2766	0816-96-0100	06-Sep-96	Not Available	Unfiltered	Magnesium	5180	UG/L	none	none
16-021(c)	16-2766	0816-96-0100	06-Sep-96	Not Available	Unfiltered	Manganese	115	UG/L	none	none
16-021(c)	16-2766	0816-96-0100	06-Sep-96	Not Available	Unfiltered	Mercury	0.02	UG/L	U	none
16-021(c)	16-2766	0816-96-0100	06-Sep-96	Not Available	Unfiltered	Nickel	2.2	UG/L	J	none
16-021(c)	16-2766	0816-96-0100	06-Sep-96	Not Available	Unfiltered	Nitrogen, Nitrate + Nitrite (Expressed as N)	500	UG/L	none	none
16-021(c)	16-2766	0816-96-0100	06-Sep-96	Not Available	Unfiltered	Potassium	2800	UG/L	J	none

Table I-3.0-8 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier	Prep Method
16-021(c)	16-2766	0816-96-0100	06-Sep-96	Not Available	Unfiltered	Selenium	3.8	UG/L	U	none
16-021(c)	16-2766	0816-96-0100	06-Sep-96	Not Available	Unfiltered	Silver	1	UG/L	U	none
16-021(c)	16-2766	0816-96-0100	06-Sep-96	Not Available	Unfiltered	Sodium	19700	UG/L	none	none
16-021(c)	16-2766	0816-96-0100	06-Sep-96	Not Available	Unfiltered	Thallium	3.4	UG/L	U	none
16-021(c)	16-2766	0816-96-0100	06-Sep-96	Not Available	Unfiltered	Uranium	0.27	UG/L	J-	none
16-021(c)	16-2766	0816-96-0100	06-Sep-96	Not Available	Unfiltered	Vanadium	2	UG/L	U	none
16-021(c)	16-2766	0816-96-0100	06-Sep-96	Not Available	Unfiltered	Zinc	5.4	UG/L	U	none
16-021(c)	16-2767	0816-96-0101	06-Sep-96	Not Available	Unfiltered	Aluminum	1190	UG/L	J+	none
16-021(c)	16-2767	0816-96-0101	06-Sep-96	Not Available	Unfiltered	Antimony	3	UG/L	U	none
16-021(c)	16-2767	0816-96-0101	06-Sep-96	Not Available	Unfiltered	Arsenic	2.8	UG/L	U	none
16-021(c)	16-2767	0816-96-0101	06-Sep-96	Not Available	Unfiltered	Barium	2900	UG/L	none	none
16-021(c)	16-2767	0816-96-0101	06-Sep-96	Not Available	Unfiltered	Beryllium	0.1	UG/L	U	none
16-021(c)	16-2767	0816-96-0101	06-Sep-96	Not Available	Unfiltered	Cadmium	0.3	UG/L	U	none
16-021(c)	16-2767	0816-96-0101	06-Sep-96	Not Available	Unfiltered	Calcium	18000	UG/L	none	none
16-021(c)	16-2767	0816-96-0101	06-Sep-96	Not Available	Unfiltered	Chromium, Total	0.69	UG/L	U	none
16-021(c)	16-2767	0816-96-0101	06-Sep-96	Not Available	Unfiltered	Cobalt	2.9	UG/L	U	none
16-021(c)	16-2767	0816-96-0101	06-Sep-96	Not Available	Unfiltered	Copper	0.82	UG/L	U	none
16-021(c)	16-2767	0816-96-0101	06-Sep-96	Not Available	Unfiltered	Cyanide, Total	4	UG/L	U	none
16-021(c)	16-2767	0816-96-0101	06-Sep-96	Not Available	Unfiltered	Iron	2160	UG/L	none	none
16-021(c)	16-2767	0816-96-0101	06-Sep-96	Not Available	Unfiltered	Lead	1.2	UG/L	U	none
16-021(c)	16-2767	0816-96-0101	06-Sep-96	Not Available	Unfiltered	Magnesium	5360	UG/L	none	none
16-021(c)	16-2767	0816-96-0101	06-Sep-96	Not Available	Unfiltered	Manganese	1630	UG/L	none	none
16-021(c)	16-2767	0816-96-0101	06-Sep-96	Not Available	Unfiltered	Mercury	0.02	UG/L	U	none
16-021(c)	16-2767	0816-96-0101	06-Sep-96	Not Available	Unfiltered	Nickel	4.6	UG/L	J	none
16-021(c)	16-2767	0816-96-0101	06-Sep-96	Not Available	Unfiltered	Nitrogen, Nitrate + Nitrite (Expressed as N)	500	UG/L	U	none
16-021(c)	16-2767	0816-96-0101	06-Sep-96	Not Available	Unfiltered	Potassium	2960	UG/L	J	none
16-021(c)	16-2767	0816-96-0101	06-Sep-96	Not Available	Unfiltered	Selenium	3.9	UG/L	U	none

Table I-3.0-8 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier	Prep Method
16-021(c)	16-2767	0816-96-0101	06-Sep-96	Not Available	Unfiltered	Silver	1.2	UG/L	U	none
16-021(c)	16-2767	0816-96-0101	06-Sep-96	Not Available	Unfiltered	Sodium	19700	UG/L	none	none
16-021(c)	16-2767	0816-96-0101	06-Sep-96	Not Available	Unfiltered	Thallium	7.4	UG/L	J	none
16-021(c)	16-2767	0816-96-0101	06-Sep-96	Not Available	Unfiltered	Uranium	0.36	UG/L	J-	none
16-021(c)	16-2767	0816-96-0101	06-Sep-96	Not Available	Unfiltered	Vanadium	3.7	UG/L	U	none
16-021(c)	16-2767	0816-96-0101	06-Sep-96	Not Available	Unfiltered	Zinc	8	UG/L	U	none
16-021(c)	16-2768	0816-96-0102	06-Sep-96	Not Available	Unfiltered	Aluminum	255	UG/L	J+	none
16-021(c)	16-2768	0816-96-0102	06-Sep-96	Not Available	Unfiltered	Antimony	3	UG/L	U	none
16-021(c)	16-2768	0816-96-0102	06-Sep-96	Not Available	Unfiltered	Arsenic	2.1	UG/L	U	none
16-021(c)	16-2768	0816-96-0102	06-Sep-96	Not Available	Unfiltered	Barium	2650	UG/L	none	none
16-021(c)	16-2768	0816-96-0102	06-Sep-96	Not Available	Unfiltered	Beryllium	0.1	UG/L	U	none
16-021(c)	16-2768	0816-96-0102	06-Sep-96	Not Available	Unfiltered	Cadmium	0.3	UG/L	U	none
16-021(c)	16-2768	0816-96-0102	06-Sep-96	Not Available	Unfiltered	Calcium	17700	UG/L	none	none
16-021(c)	16-2768	0816-96-0102	06-Sep-96	Not Available	Unfiltered	Chromium, Total	1.6	UG/L	U	none
16-021(c)	16-2768	0816-96-0102	06-Sep-96	Not Available	Unfiltered	Cobalt	0.95	UG/L	U	none
16-021(c)	16-2768	0816-96-0102	06-Sep-96	Not Available	Unfiltered	Copper	0.5	UG/L	U	none
16-021(c)	16-2768	0816-96-0102	06-Sep-96	Not Available	Unfiltered	Cyanide, Total	6	UG/L	U	none
16-021(c)	16-2768	0816-96-0102	06-Sep-96	Not Available	Unfiltered	Iron	313	UG/L	none	none
16-021(c)	16-2768	0816-96-0102	06-Sep-96	Not Available	Unfiltered	Lead	1.2	UG/L	U	none
16-021(c)	16-2768	0816-96-0102	06-Sep-96	Not Available	Unfiltered	Magnesium	5220	UG/L	none	none
16-021(c)	16-2768	0816-96-0102	06-Sep-96	Not Available	Unfiltered	Manganese	30.9	UG/L	none	none
16-021(c)	16-2768	0816-96-0102	06-Sep-96	Not Available	Unfiltered	Mercury	0.02	UG/L	U	none
16-021(c)	16-2768	0816-96-0102	06-Sep-96	Not Available	Unfiltered	Nickel	2.8	UG/L	J	none
16-021(c)	16-2768	0816-96-0102	06-Sep-96	Not Available	Unfiltered	Nitrogen, Nitrate + Nitrite (Expressed as N)	500	UG/L	U	none
16-021(c)	16-2768	0816-96-0102	06-Sep-96	Not Available	Unfiltered	Potassium	2780	UG/L	J	none
16-021(c)	16-2768	0816-96-0102	06-Sep-96	Not Available	Unfiltered	Selenium	1.8	UG/L	U	none
16-021(c)	16-2768	0816-96-0102	06-Sep-96	Not Available	Unfiltered	Silver	1	UG/L	U	none

Table I-3.0-8 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier	Prep Method
16-021(c)	16-2768	0816-96-0102	06-Sep-96	Not Available	Unfiltered	Sodium	19700	UG/L	none	none
16-021(c)	16-2768	0816-96-0102	06-Sep-96	Not Available	Unfiltered	Thallium	3.4	UG/L	U	none
16-021(c)	16-2768	0816-96-0102	06-Sep-96	Not Available	Unfiltered	Uranium	0.23	UG/L	J-	none
16-021(c)	16-2768	0816-96-0102	06-Sep-96	Not Available	Unfiltered	Vanadium	2	UG/L	U	none
16-021(c)	16-2768	0816-96-0102	06-Sep-96	Not Available	Unfiltered	Zinc	5	UG/L	U	none
16-021(c)	16-2768	0816-96-0103	06-Sep-96	Not Available	Unfiltered	Aluminum	382	UG/L	J+	none
16-021(c)	16-2768	0816-96-0103	06-Sep-96	Not Available	Unfiltered	Antimony	3	UG/L	U	none
16-021(c)	16-2768	0816-96-0103	06-Sep-96	Not Available	Unfiltered	Arsenic	4.1	UG/L	U	none
16-021(c)	16-2768	0816-96-0103	06-Sep-96	Not Available	Unfiltered	Barium	2660	UG/L	none	none
16-021(c)	16-2768	0816-96-0103	06-Sep-96	Not Available	Unfiltered	Beryllium	0.1	UG/L	U	none
16-021(c)	16-2768	0816-96-0103	06-Sep-96	Not Available	Unfiltered	Cadmium	0.3	UG/L	U	none
16-021(c)	16-2768	0816-96-0103	06-Sep-96	Not Available	Unfiltered	Calcium	17700	UG/L	none	none
16-021(c)	16-2768	0816-96-0103	06-Sep-96	Not Available	Unfiltered	Chromium, Total	1	UG/L	U	none
16-021(c)	16-2768	0816-96-0103	06-Sep-96	Not Available	Unfiltered	Cobalt	1.4	UG/L	U	none
16-021(c)	16-2768	0816-96-0103	06-Sep-96	Not Available	Unfiltered	Copper	0.61	UG/L	U	none
16-021(c)	16-2768	0816-96-0103	06-Sep-96	Not Available	Unfiltered	Cyanide, Total	8	UG/L	U	none
16-021(c)	16-2768	0816-96-0103	06-Sep-96	Not Available	Unfiltered	Iron	412	UG/L	none	none
16-021(c)	16-2768	0816-96-0103	06-Sep-96	Not Available	Unfiltered	Lead	1.2	UG/L	U	none
16-021(c)	16-2768	0816-96-0103	06-Sep-96	Not Available	Unfiltered	Magnesium	5230	UG/L	none	none
16-021(c)	16-2768	0816-96-0103	06-Sep-96	Not Available	Unfiltered	Manganese	34.2	UG/L	none	none
16-021(c)	16-2768	0816-96-0103	06-Sep-96	Not Available	Unfiltered	Mercury	0.02	UG/L	U	none
16-021(c)	16-2768	0816-96-0103	06-Sep-96	Not Available	Unfiltered	Nickel	3	UG/L	J	none
16-021(c)	16-2768	0816-96-0103	06-Sep-96	Not Available	Unfiltered	Nitrogen, Nitrate + Nitrite (Expressed as N)	500	UG/L	U	none
16-021(c)	16-2768	0816-96-0103	06-Sep-96	Not Available	Unfiltered	Potassium	2780	UG/L	J	none
16-021(c)	16-2768	0816-96-0103	06-Sep-96	Not Available	Unfiltered	Selenium	1.8	UG/L	U	none
16-021(c)	16-2768	0816-96-0103	06-Sep-96	Not Available	Unfiltered	Silver	1.4	UG/L	U	none
16-021(c)	16-2768	0816-96-0103	06-Sep-96	Not Available	Unfiltered	Sodium	19600	UG/L	none	none

Table I-3.0-8 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier	Prep Method
16-021(c)	16-2768	0816-96-0103	06-Sep-96	Not Available	Unfiltered	Thallium	3.4	UG/L	U	none
16-021(c)	16-2768	0816-96-0103	06-Sep-96	Not Available	Unfiltered	Uranium	0.25	UG/L	J-	none
16-021(c)	16-2768	0816-96-0103	06-Sep-96	Not Available	Unfiltered	Vanadium	2.3	UG/L	U	none
16-021(c)	16-2768	0816-96-0103	06-Sep-96	Not Available	Unfiltered	Zinc	6.5	UG/L	U	none
16-021(c)	16-2769	0816-96-0104	06-Sep-96	Not Available	Unfiltered	Aluminum	328	UG/L	J+	none
16-021(c)	16-2769	0816-96-0104	06-Sep-96	Not Available	Unfiltered	Antimony	3	UG/L	U	none
16-021(c)	16-2769	0816-96-0104	06-Sep-96	Not Available	Unfiltered	Arsenic	1.8	UG/L	U	none
16-021(c)	16-2769	0816-96-0104	06-Sep-96	Not Available	Unfiltered	Barium	2680	UG/L	none	none
16-021(c)	16-2769	0816-96-0104	06-Sep-96	Not Available	Unfiltered	Beryllium	0.1	UG/L	U	none
16-021(c)	16-2769	0816-96-0104	06-Sep-96	Not Available	Unfiltered	Cadmium	0.3	UG/L	U	none
16-021(c)	16-2769	0816-96-0104	06-Sep-96	Not Available	Unfiltered	Calcium	17600	UG/L	none	none
16-021(c)	16-2769	0816-96-0104	06-Sep-96	Not Available	Unfiltered	Chromium, Total	0.5	UG/L	U	none
16-021(c)	16-2769	0816-96-0104	06-Sep-96	Not Available	Unfiltered	Cobalt	0.54	UG/L	U	none
16-021(c)	16-2769	0816-96-0104	06-Sep-96	Not Available	Unfiltered	Copper	0.52	UG/L	U	none
16-021(c)	16-2769	0816-96-0104	06-Sep-96	Not Available	Unfiltered	Cyanide, Total	14	UG/L	U	none
16-021(c)	16-2769	0816-96-0104	06-Sep-96	Not Available	Unfiltered	Iron	317	UG/L	none	none
16-021(c)	16-2769	0816-96-0104	06-Sep-96	Not Available	Unfiltered	Lead	1.2	UG/L	U	none
16-021(c)	16-2769	0816-96-0104	06-Sep-96	Not Available	Unfiltered	Magnesium	5200	UG/L	none	none
16-021(c)	16-2769	0816-96-0104	06-Sep-96	Not Available	Unfiltered	Manganese	16.4	UG/L	none	none
16-021(c)	16-2769	0816-96-0104	06-Sep-96	Not Available	Unfiltered	Mercury	0.02	UG/L	U	none
16-021(c)	16-2769	0816-96-0104	06-Sep-96	Not Available	Unfiltered	Nickel	2.6	UG/L	J	none
16-021(c)	16-2769	0816-96-0104	06-Sep-96	Not Available	Unfiltered	Nitrogen, Nitrate + Nitrite (Expressed as N)	500	UG/L	U	none
16-021(c)	16-2769	0816-96-0104	06-Sep-96	Not Available	Unfiltered	Potassium	2720	UG/L	J	none
16-021(c)	16-2769	0816-96-0104	06-Sep-96	Not Available	Unfiltered	Selenium	1.8	UG/L	U	none
16-021(c)	16-2769	0816-96-0104	06-Sep-96	Not Available	Unfiltered	Silver	1	UG/L	U	none
16-021(c)	16-2769	0816-96-0104	06-Sep-96	Not Available	Unfiltered	Sodium	19600	UG/L	none	none
16-021(c)	16-2769	0816-96-0104	06-Sep-96	Not Available	Unfiltered	Thallium	3.4	UG/L	U	none

Table I-3.0-8 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier	Prep Method
16-021(c)	16-2769	0816-96-0104	06-Sep-96	Not Available	Unfiltered	Uranium	0.24	UG/L	J-	none
16-021(c)	16-2769	0816-96-0104	06-Sep-96	Not Available	Unfiltered	Vanadium	1.6	UG/L	U	none
16-021(c)	16-2769	0816-96-0104	06-Sep-96	Not Available	Unfiltered	Zinc	22.7	UG/L	none	none
16-021(c)	16-2770	0816-96-0105	06-Sep-96	Not Available	Unfiltered	Aluminum	382	UG/L	J+	none
16-021(c)	16-2770	0816-96-0105	06-Sep-96	Not Available	Unfiltered	Antimony	3	UG/L	U	none
16-021(c)	16-2770	0816-96-0105	06-Sep-96	Not Available	Unfiltered	Arsenic	3.5	UG/L	U	none
16-021(c)	16-2770	0816-96-0105	06-Sep-96	Not Available	Unfiltered	Barium	2730	UG/L	none	none
16-021(c)	16-2770	0816-96-0105	06-Sep-96	Not Available	Unfiltered	Beryllium	0.1	UG/L	U	none
16-021(c)	16-2770	0816-96-0105	06-Sep-96	Not Available	Unfiltered	Cadmium	0.3	UG/L	U	none
16-021(c)	16-2770	0816-96-0105	06-Sep-96	Not Available	Unfiltered	Calcium	17700	UG/L	none	none
16-021(c)	16-2770	0816-96-0105	06-Sep-96	Not Available	Unfiltered	Chromium, Total	0.53	UG/L	U	none
16-021(c)	16-2770	0816-96-0105	06-Sep-96	Not Available	Unfiltered	Cobalt	1.5	UG/L	U	none
16-021(c)	16-2770	0816-96-0105	06-Sep-96	Not Available	Unfiltered	Copper	0.66	UG/L	U	none
16-021(c)	16-2770	0816-96-0105	06-Sep-96	Not Available	Unfiltered	Cyanide, Total	4	UG/L	U	none
16-021(c)	16-2770	0816-96-0105	06-Sep-96	Not Available	Unfiltered	Iron	402	UG/L	none	none
16-021(c)	16-2770	0816-96-0105	06-Sep-96	Not Available	Unfiltered	Lead	1.2	UG/L	U	none
16-021(c)	16-2770	0816-96-0105	06-Sep-96	Not Available	Unfiltered	Magnesium	5260	UG/L	none	none
16-021(c)	16-2770	0816-96-0105	06-Sep-96	Not Available	Unfiltered	Manganese	26.5	UG/L	none	none
16-021(c)	16-2770	0816-96-0105	06-Sep-96	Not Available	Unfiltered	Mercury	0.02	UG/L	U	none
16-021(c)	16-2770	0816-96-0105	06-Sep-96	Not Available	Unfiltered	Nickel	2.5	UG/L	J	none
16-021(c)	16-2770	0816-96-0105	06-Sep-96	Not Available	Unfiltered	Nitrogen, Nitrate + Nitrite (Expressed as N)	500	UG/L	U	none
16-021(c)	16-2770	0816-96-0105	06-Sep-96	Not Available	Unfiltered	Potassium	2760	UG/L	J	none
16-021(c)	16-2770	0816-96-0105	06-Sep-96	Not Available	Unfiltered	Selenium	1.8	UG/L	U	none
16-021(c)	16-2770	0816-96-0105	06-Sep-96	Not Available	Unfiltered	Silver	1.5	UG/L	U	none
16-021(c)	16-2770	0816-96-0105	06-Sep-96	Not Available	Unfiltered	Sodium	19700	UG/L	none	none
16-021(c)	16-2770	0816-96-0105	06-Sep-96	Not Available	Unfiltered	Thallium	3.4	UG/L	U	none
16-021(c)	16-2770	0816-96-0105	06-Sep-96	Not Available	Unfiltered	Uranium	0.23	UG/L	J-	none

Table I-3.0-8 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier	Prep Method
16-021(c)	16-2770	0816-96-0105	06-Sep-96	Not Available	Unfiltered	Vanadium	2.1	UG/L	U	none
16-021(c)	16-2770	0816-96-0105	06-Sep-96	Not Available	Unfiltered	Zinc	13.8	UG/L	U	none
16-021(c)	16-2771	0816-96-0106	06-Sep-96	Not Available	Unfiltered	Aluminum	254	UG/L	J+	none
16-021(c)	16-2771	0816-96-0106	06-Sep-96	Not Available	Unfiltered	Antimony	3	UG/L	U	none
16-021(c)	16-2771	0816-96-0106	06-Sep-96	Not Available	Unfiltered	Arsenic	1.9	UG/L	U	none
16-021(c)	16-2771	0816-96-0106	06-Sep-96	Not Available	Unfiltered	Barium	2700	UG/L	none	none
16-021(c)	16-2771	0816-96-0106	06-Sep-96	Not Available	Unfiltered	Beryllium	0.1	UG/L	U	none
16-021(c)	16-2771	0816-96-0106	06-Sep-96	Not Available	Unfiltered	Cadmium	0.3	UG/L	U	none
16-021(c)	16-2771	0816-96-0106	06-Sep-96	Not Available	Unfiltered	Calcium	17500	UG/L	none	none
16-021(c)	16-2771	0816-96-0106	06-Sep-96	Not Available	Unfiltered	Chromium, Total	0.5	UG/L	U	none
16-021(c)	16-2771	0816-96-0106	06-Sep-96	Not Available	Unfiltered	Cobalt	0.6	UG/L	U	none
16-021(c)	16-2771	0816-96-0106	06-Sep-96	Not Available	Unfiltered	Copper	0.5	UG/L	U	none
16-021(c)	16-2771	0816-96-0106	06-Sep-96	Not Available	Unfiltered	Cyanide, Total	4	UG/L	U	none
16-021(c)	16-2771	0816-96-0106	06-Sep-96	Not Available	Unfiltered	Iron	254	UG/L	none	none
16-021(c)	16-2771	0816-96-0106	06-Sep-96	Not Available	Unfiltered	Lead	1.2	UG/L	U	none
16-021(c)	16-2771	0816-96-0106	06-Sep-96	Not Available	Unfiltered	Magnesium	5180	UG/L	none	none
16-021(c)	16-2771	0816-96-0106	06-Sep-96	Not Available	Unfiltered	Manganese	3	UG/L	U	none
16-021(c)	16-2771	0816-96-0106	06-Sep-96	Not Available	Unfiltered	Mercury	0.02	UG/L	U	none
16-021(c)	16-2771	0816-96-0106	06-Sep-96	Not Available	Unfiltered	Nickel	1.6	UG/L	J	none
16-021(c)	16-2771	0816-96-0106	06-Sep-96	Not Available	Unfiltered	Nitrogen, Nitrate + Nitrite (Expressed as N)	500	UG/L	U	none
16-021(c)	16-2771	0816-96-0106	06-Sep-96	Not Available	Unfiltered	Potassium	2960	UG/L	J	none
16-021(c)	16-2771	0816-96-0106	06-Sep-96	Not Available	Unfiltered	Selenium	1.9	UG/L	U	none
16-021(c)	16-2771	0816-96-0106	06-Sep-96	Not Available	Unfiltered	Silver	1	UG/L	U	none
16-021(c)	16-2771	0816-96-0106	06-Sep-96	Not Available	Unfiltered	Sodium	19600	UG/L	none	none
16-021(c)	16-2771	0816-96-0106	06-Sep-96	Not Available	Unfiltered	Thallium	3.4	UG/L	U	none
16-021(c)	16-2771	0816-96-0106	06-Sep-96	Not Available	Unfiltered	Uranium	0.22	UG/L	J-	none
16-021(c)	16-2771	0816-96-0106	06-Sep-96	Not Available	Unfiltered	Vanadium	1.2	UG/L	U	none

Table I-3.0-8 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier	Prep Method
16-021(c)	16-2771	0816-96-0106	06-Sep-96	Not Available	Unfiltered	Zinc	0.4	UG/L	U	none
16-021(c)	16-2772	0816-96-0107	06-Sep-96	Not Available	Unfiltered	Aluminum	475	UG/L	J+	none
16-021(c)	16-2772	0816-96-0107	06-Sep-96	Not Available	Unfiltered	Antimony	3	UG/L	U	none
16-021(c)	16-2772	0816-96-0107	06-Sep-96	Not Available	Unfiltered	Arsenic	3.5	UG/L	U	none
16-021(c)	16-2772	0816-96-0107	06-Sep-96	Not Available	Unfiltered	Barium	2930	UG/L	none	none
16-021(c)	16-2772	0816-96-0107	06-Sep-96	Not Available	Unfiltered	Beryllium	0.1	UG/L	U	none
16-021(c)	16-2772	0816-96-0107	06-Sep-96	Not Available	Unfiltered	Cadmium	0.3	UG/L	U	none
16-021(c)	16-2772	0816-96-0107	06-Sep-96	Not Available	Unfiltered	Calcium	1770	UG/L	none	none
16-021(c)	16-2772	0816-96-0107	06-Sep-96	Not Available	Unfiltered	Chromium, Total	0.51	UG/L	U	none
16-021(c)	16-2772	0816-96-0107	06-Sep-96	Not Available	Unfiltered	Cobalt	0.83	UG/L	U	none
16-021(c)	16-2772	0816-96-0107	06-Sep-96	Not Available	Unfiltered	Copper	1.3	UG/L	U	none
16-021(c)	16-2772	0816-96-0107	06-Sep-96	Not Available	Unfiltered	Cyanide, Total	5	UG/L	U	none
16-021(c)	16-2772	0816-96-0107	06-Sep-96	Not Available	Unfiltered	Iron	478	UG/L	none	none
16-021(c)	16-2772	0816-96-0107	06-Sep-96	Not Available	Unfiltered	Lead	1.2	UG/L	U	none
16-021(c)	16-2772	0816-96-0107	06-Sep-96	Not Available	Unfiltered	Magnesium	5230	UG/L	none	none
16-021(c)	16-2772	0816-96-0107	06-Sep-96	Not Available	Unfiltered	Manganese	19.6	UG/L	none	none
16-021(c)	16-2772	0816-96-0107	06-Sep-96	Not Available	Unfiltered	Mercury	0.02	UG/L	U	none
16-021(c)	16-2772	0816-96-0107	06-Sep-96	Not Available	Unfiltered	Nickel	2.2	UG/L	J	none
16-021(c)	16-2772	0816-96-0107	06-Sep-96	Not Available	Unfiltered	Nitrogen, Nitrate + Nitrite (Expressed as N)	500	UG/L	U	none
16-021(c)	16-2772	0816-96-0107	06-Sep-96	Not Available	Unfiltered	Potassium	2780	UG/L	J	none
16-021(c)	16-2772	0816-96-0107	06-Sep-96	Not Available	Unfiltered	Selenium	1.8	UG/L	U	none
16-021(c)	16-2772	0816-96-0107	06-Sep-96	Not Available	Unfiltered	Silver	1	UG/L	U	none
16-021(c)	16-2772	0816-96-0107	06-Sep-96	Not Available	Unfiltered	Sodium	19500	UG/L	none	none
16-021(c)	16-2772	0816-96-0107	06-Sep-96	Not Available	Unfiltered	Thallium	3.4	UG/L	U	none
16-021(c)	16-2772	0816-96-0107	06-Sep-96	Not Available	Unfiltered	Uranium	0.25	UG/L	J-	none
16-021(c)	16-2772	0816-96-0107	06-Sep-96	Not Available	Unfiltered	Vanadium	2.1	UG/L	U	none
16-021(c)	16-2772	0816-96-0107	06-Sep-96	Not Available	Unfiltered	Zinc	8.2	UG/L	U	none

Table I-3.0-8 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier	Prep Method
16-021(c)	16-2773	0816-96-0108	06-Sep-96	Not Available	Unfiltered	Aluminum	534	UG/L	J+	none
16-021(c)	16-2773	0816-96-0108	06-Sep-96	Not Available	Unfiltered	Antimony	3	UG/L	U	none
16-021(c)	16-2773	0816-96-0108	06-Sep-96	Not Available	Unfiltered	Arsenic	1.8	UG/L	U	none
16-021(c)	16-2773	0816-96-0108	06-Sep-96	Not Available	Unfiltered	Barium	6490	UG/L	none	none
16-021(c)	16-2773	0816-96-0108	06-Sep-96	Not Available	Unfiltered	Beryllium	0.1	UG/L	U	none
16-021(c)	16-2773	0816-96-0108	06-Sep-96	Not Available	Unfiltered	Cadmium	0.3	UG/L	U	none
16-021(c)	16-2773	0816-96-0108	06-Sep-96	Not Available	Unfiltered	Calcium	17900	UG/L	none	none
16-021(c)	16-2773	0816-96-0108	06-Sep-96	Not Available	Unfiltered	Chromium, Total	0.5	UG/L	U	none
16-021(c)	16-2773	0816-96-0108	06-Sep-96	Not Available	Unfiltered	Cobalt	1.1	UG/L	U	none
16-021(c)	16-2773	0816-96-0108	06-Sep-96	Not Available	Unfiltered	Copper	1.5	UG/L	U	none
16-021(c)	16-2773	0816-96-0108	06-Sep-96	Not Available	Unfiltered	Cyanide, Total	5	UG/L	U	none
16-021(c)	16-2773	0816-96-0108	06-Sep-96	Not Available	Unfiltered	Iron	531	UG/L	none	none
16-021(c)	16-2773	0816-96-0108	06-Sep-96	Not Available	Unfiltered	Lead	1.2	UG/L	U	none
16-021(c)	16-2773	0816-96-0108	06-Sep-96	Not Available	Unfiltered	Magnesium	5280	UG/L	none	none
16-021(c)	16-2773	0816-96-0108	06-Sep-96	Not Available	Unfiltered	Manganese	99.5	UG/L	none	none
16-021(c)	16-2773	0816-96-0108	06-Sep-96	Not Available	Unfiltered	Mercury	0.02	UG/L	U	none
16-021(c)	16-2773	0816-96-0108	06-Sep-96	Not Available	Unfiltered	Nickel	2.2	UG/L	J	none
16-021(c)	16-2773	0816-96-0108	06-Sep-96	Not Available	Unfiltered	Nitrogen, Nitrate + Nitrite (Expressed as N)	500	UG/L	U	none
16-021(c)	16-2773	0816-96-0108	06-Sep-96	Not Available	Unfiltered	Potassium	3610	UG/L	J	none
16-021(c)	16-2773	0816-96-0108	06-Sep-96	Not Available	Unfiltered	Selenium	1.8	UG/L	U	none
16-021(c)	16-2773	0816-96-0108	06-Sep-96	Not Available	Unfiltered	Silver	1	UG/L	U	none
16-021(c)	16-2773	0816-96-0108	06-Sep-96	Not Available	Unfiltered	Sodium	20500	UG/L	none	none
16-021(c)	16-2773	0816-96-0108	06-Sep-96	Not Available	Unfiltered	Thallium	3.4	UG/L	U	none
16-021(c)	16-2773	0816-96-0108	06-Sep-96	Not Available	Unfiltered	Uranium	0.16	UG/L	J-	none
16-021(c)	16-2773	0816-96-0108	06-Sep-96	Not Available	Unfiltered	Vanadium	2.7	UG/L	U	none
16-021(c)	16-2773	0816-96-0108	06-Sep-96	Not Available	Unfiltered	Zinc	10.3	UG/L	U	none
16-021(c)	16-2774	0816-96-0109	06-Sep-96	Not Available	Unfiltered	Aluminum	216	UG/L	J+	none

Table I-3.0-8 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier	Prep Method
16-021(c)	16-2774	0816-96-0109	06-Sep-96	Not Available	Unfiltered	Antimony	3	UG/L	U	none
16-021(c)	16-2774	0816-96-0109	06-Sep-96	Not Available	Unfiltered	Arsenic	1.6	UG/L	U	none
16-021(c)	16-2774	0816-96-0109	06-Sep-96	Not Available	Unfiltered	Barium	6320	UG/L	none	none
16-021(c)	16-2774	0816-96-0109	06-Sep-96	Not Available	Unfiltered	Beryllium	0.1	UG/L	U	none
16-021(c)	16-2774	0816-96-0109	06-Sep-96	Not Available	Unfiltered	Cadmium	0.3	UG/L	U	none
16-021(c)	16-2774	0816-96-0109	06-Sep-96	Not Available	Unfiltered	Calcium	17100	UG/L	none	none
16-021(c)	16-2774	0816-96-0109	06-Sep-96	Not Available	Unfiltered	Chromium, Total	0.5	UG/L	U	none
16-021(c)	16-2774	0816-96-0109	06-Sep-96	Not Available	Unfiltered	Cobalt	0.71	UG/L	U	none
16-021(c)	16-2774	0816-96-0109	06-Sep-96	Not Available	Unfiltered	Copper	0.58	UG/L	U	none
16-021(c)	16-2774	0816-96-0109	06-Sep-96	Not Available	Unfiltered	Cyanide, Total	4	UG/L	U	none
16-021(c)	16-2774	0816-96-0109	06-Sep-96	Not Available	Unfiltered	Iron	170	UG/L	none	none
16-021(c)	16-2774	0816-96-0109	06-Sep-96	Not Available	Unfiltered	Lead	1.2	UG/L	U	none
16-021(c)	16-2774	0816-96-0109	06-Sep-96	Not Available	Unfiltered	Magnesium	5200	UG/L	none	none
16-021(c)	16-2774	0816-96-0109	06-Sep-96	Not Available	Unfiltered	Manganese	15	UG/L	none	none
16-021(c)	16-2774	0816-96-0109	06-Sep-96	Not Available	Unfiltered	Mercury	0.02	UG/L	U	none
16-021(c)	16-2774	0816-96-0109	06-Sep-96	Not Available	Unfiltered	Nickel	1.8	UG/L	J	none
16-021(c)	16-2774	0816-96-0109	06-Sep-96	Not Available	Unfiltered	Nitrogen, Nitrate + Nitrite (Expressed as N)	500	UG/L	U	none
16-021(c)	16-2774	0816-96-0109	06-Sep-96	Not Available	Unfiltered	Potassium	3380	UG/L	J	none
16-021(c)	16-2774	0816-96-0109	06-Sep-96	Not Available	Unfiltered	Selenium	1.8	UG/L	U	none
16-021(c)	16-2774	0816-96-0109	06-Sep-96	Not Available	Unfiltered	Silicon	1	UG/L	U	none
16-021(c)	16-2774	0816-96-0109	06-Sep-96	Not Available	Unfiltered	Sodium	20500	UG/L	none	none
16-021(c)	16-2774	0816-96-0109	06-Sep-96	Not Available	Unfiltered	Thallium	3.4	UG/L	U	none
16-021(c)	16-2774	0816-96-0109	06-Sep-96	Not Available	Unfiltered	Uranium	0.12	UG/L	J-	none
16-021(c)	16-2774	0816-96-0109	06-Sep-96	Not Available	Unfiltered	Vanadium	1.8	UG/L	U	none
16-021(c)	16-2774	0816-96-0109	06-Sep-96	Not Available	Unfiltered	Zinc	13.7	UG/L	U	none
16-021(c)	16-2775	0816-96-0110	06-Sep-96	Not Available	Unfiltered	Aluminum	197	UG/L	J+	none
16-021(c)	16-2775	0816-96-0110	06-Sep-96	Not Available	Unfiltered	Antimony	3	UG/L	U	none

Table I-3.0-8 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier	Prep Method
16-021(c)	16-2775	0816-96-0110	06-Sep-96	Not Available	Unfiltered	Arsenic	1.6	UG/L	U	none
16-021(c)	16-2775	0816-96-0110	06-Sep-96	Not Available	Unfiltered	Barium	6390	UG/L	none	none
16-021(c)	16-2775	0816-96-0110	06-Sep-96	Not Available	Unfiltered	Beryllium	0.1	UG/L	U	none
16-021(c)	16-2775	0816-96-0110	06-Sep-96	Not Available	Unfiltered	Cadmium	0.3	UG/L	U	none
16-021(c)	16-2775	0816-96-0110	06-Sep-96	Not Available	Unfiltered	Calcium	17200	UG/L	none	none
16-021(c)	16-2775	0816-96-0110	06-Sep-96	Not Available	Unfiltered	Chromium, Total	0.5	UG/L	U	none
16-021(c)	16-2775	0816-96-0110	06-Sep-96	Not Available	Unfiltered	Cobalt	0.81	UG/L	U	none
16-021(c)	16-2775	0816-96-0110	06-Sep-96	Not Available	Unfiltered	Copper	2	UG/L	U	none
16-021(c)	16-2775	0816-96-0110	06-Sep-96	Not Available	Unfiltered	Cyanide, Total	4	UG/L	U	none
16-021(c)	16-2775	0816-96-0110	06-Sep-96	Not Available	Unfiltered	Iron	162	UG/L	none	none
16-021(c)	16-2775	0816-96-0110	06-Sep-96	Not Available	Unfiltered	Lead	1.2	UG/L	U	none
16-021(c)	16-2775	0816-96-0110	06-Sep-96	Not Available	Unfiltered	Magnesium	5220	UG/L	none	none
16-021(c)	16-2775	0816-96-0110	06-Sep-96	Not Available	Unfiltered	Manganese	6.5	UG/L	J	none
16-021(c)	16-2775	0816-96-0110	06-Sep-96	Not Available	Unfiltered	Mercury	0.02	UG/L	U	none
16-021(c)	16-2775	0816-96-0110	06-Sep-96	Not Available	Unfiltered	Nickel	3.3	UG/L	J	none
16-021(c)	16-2775	0816-96-0110	06-Sep-96	Not Available	Unfiltered	Nitrogen, Nitrate + Nitrite (Expressed as N)	800	UG/L	none	none
16-021(c)	16-2775	0816-96-0110	06-Sep-96	Not Available	Unfiltered	Potassium	3380	UG/L	J	none
16-021(c)	16-2775	0816-96-0110	06-Sep-96	Not Available	Unfiltered	Selenium	1.8	UG/L	U	none
16-021(c)	16-2775	0816-96-0110	06-Sep-96	Not Available	Unfiltered	Silver	1	UG/L	U	none
16-021(c)	16-2775	0816-96-0110	06-Sep-96	Not Available	Unfiltered	Sodium	20600	UG/L	none	none
16-021(c)	16-2775	0816-96-0110	06-Sep-96	Not Available	Unfiltered	Thallium	3.4	UG/L	U	none
16-021(c)	16-2775	0816-96-0110	06-Sep-96	Not Available	Unfiltered	Uranium	0.1	UG/L	J-	none
16-021(c)	16-2775	0816-96-0110	06-Sep-96	Not Available	Unfiltered	Vanadium	1.8	UG/L	U	none
16-021(c)	16-2775	0816-96-0110	06-Sep-96	Not Available	Unfiltered	Zinc	2.5	UG/L	U	none
16-021(c)	16-2776	0816-96-0111	06-Sep-96	Not Available	Unfiltered	Aluminum	154	UG/L	U	none
16-021(c)	16-2776	0816-96-0111	06-Sep-96	Not Available	Unfiltered	Antimony	3	UG/L	U	none
16-021(c)	16-2776	0816-96-0111	06-Sep-96	Not Available	Unfiltered	Arsenic	2.4	UG/L	U	none

Table I-3.0-8 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier	Prep Method
16-021(c)	16-2776	0816-96-0111	06-Sep-96	Not Available	Unfiltered	Barium	6400	UG/L	none	none
16-021(c)	16-2776	0816-96-0111	06-Sep-96	Not Available	Unfiltered	Beryllium	0.1	UG/L	U	none
16-021(c)	16-2776	0816-96-0111	06-Sep-96	Not Available	Unfiltered	Cadmium	0.3	UG/L	U	none
16-021(c)	16-2776	0816-96-0111	06-Sep-96	Not Available	Unfiltered	Calcium	17100	UG/L	none	none
16-021(c)	16-2776	0816-96-0111	06-Sep-96	Not Available	Unfiltered	Chromium, Total	0.55	UG/L	U	none
16-021(c)	16-2776	0816-96-0111	06-Sep-96	Not Available	Unfiltered	Cobalt	0.72	UG/L	U	none
16-021(c)	16-2776	0816-96-0111	06-Sep-96	Not Available	Unfiltered	Copper	0.62	UG/L	U	none
16-021(c)	16-2776	0816-96-0111	06-Sep-96	Not Available	Unfiltered	Cyanide, Total	3.8	UG/L	U	none
16-021(c)	16-2776	0816-96-0111	06-Sep-96	Not Available	Unfiltered	Iron	128	UG/L	U	none
16-021(c)	16-2776	0816-96-0111	06-Sep-96	Not Available	Unfiltered	Lead	1.2	UG/L	U	none
16-021(c)	16-2776	0816-96-0111	06-Sep-96	Not Available	Unfiltered	Magnesium	5220	UG/L	none	none
16-021(c)	16-2776	0816-96-0111	06-Sep-96	Not Available	Unfiltered	Manganese	2.9	UG/L	U	none
16-021(c)	16-2776	0816-96-0111	06-Sep-96	Not Available	Unfiltered	Mercury	0.02	UG/L	U	none
16-021(c)	16-2776	0816-96-0111	06-Sep-96	Not Available	Unfiltered	Nickel	1.8	UG/L	J	none
16-021(c)	16-2776	0816-96-0111	06-Sep-96	Not Available	Unfiltered	Nitrogen, Nitrate + Nitrite (Expressed as N)	500	UG/L	U	none
16-021(c)	16-2776	0816-96-0111	06-Sep-96	Not Available	Unfiltered	Potassium	3370	UG/L	J	none
16-021(c)	16-2776	0816-96-0111	06-Sep-96	Not Available	Unfiltered	Selenium	1.8	UG/L	U	none
16-021(c)	16-2776	0816-96-0111	06-Sep-96	Not Available	Unfiltered	Silver	1	UG/L	U	none
16-021(c)	16-2776	0816-96-0111	06-Sep-96	Not Available	Unfiltered	Sodium	20600	UG/L	none	none
16-021(c)	16-2776	0816-96-0111	06-Sep-96	Not Available	Unfiltered	Thallium	3.4	UG/L	none	none
16-021(c)	16-2776	0816-96-0111	06-Sep-96	Not Available	Unfiltered	Uranium	0.14	UG/L	J-	none
16-021(c)	16-2776	0816-96-0111	06-Sep-96	Not Available	Unfiltered	Vanadium	1.8	UG/L	U	none
16-021(c)	16-2776	0816-96-0111	06-Sep-96	Not Available	Unfiltered	Zinc	6.6	UG/L	U	none
16-021(c)	16-2777	0816-96-0112	06-Sep-96	Not Available	Unfiltered	Aluminum	132	UG/L	U	none
16-021(c)	16-2777	0816-96-0112	06-Sep-96	Not Available	Unfiltered	Antimony	3	UG/L	UU	none
16-021(c)	16-2777	0816-96-0112	06-Sep-96	Not Available	Unfiltered	Arsenic	2.1	UG/L	U	none
16-021(c)	16-2777	0816-96-0112	06-Sep-96	Not Available	Unfiltered	Barium	6460	UG/L	none	none

Table I-3.0-8 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier	Prep Method
16-021(c)	16-2777	0816-96-0112	06-Sep-96	Not Available	Unfiltered	Beryllium	0.1	UG/L	U	none
16-021(c)	16-2777	0816-96-0112	06-Sep-96	Not Available	Unfiltered	Cadmium	0.3	UG/L	U	none
16-021(c)	16-2777	0816-96-0112	06-Sep-96	Not Available	Unfiltered	Calcium	17200	UG/L	none	none
16-021(c)	16-2777	0816-96-0112	06-Sep-96	Not Available	Unfiltered	Chromium, Total	0.5	UG/L	U	none
16-021(c)	16-2777	0816-96-0112	06-Sep-96	Not Available	Unfiltered	Cobalt	0.43	UG/L	U	none
16-021(c)	16-2777	0816-96-0112	06-Sep-96	Not Available	Unfiltered	Copper	0.5	UG/L	U	none
16-021(c)	16-2777	0816-96-0112	06-Sep-96	Not Available	Unfiltered	Cyanide, Total	5	UG/L	U	none
16-021(c)	16-2777	0816-96-0112	06-Sep-96	Not Available	Unfiltered	Iron	120	UG/L	none	none
16-021(c)	16-2777	0816-96-0112	06-Sep-96	Not Available	Unfiltered	Lead	1.2	UG/L	U	none
16-021(c)	16-2777	0816-96-0112	06-Sep-96	Not Available	Unfiltered	Magnesium	5250	UG/L	none	none
16-021(c)	16-2777	0816-96-0112	06-Sep-96	Not Available	Unfiltered	Manganese	2.4	UG/L	U	none
16-021(c)	16-2777	0816-96-0112	06-Sep-96	Not Available	Unfiltered	Mercury	0.02	UG/L	U	none
16-021(c)	16-2777	0816-96-0112	06-Sep-96	Not Available	Unfiltered	Nickel	2.2	UG/L	J	none
16-021(c)	16-2777	0816-96-0112	06-Sep-96	Not Available	Unfiltered	Nitrogen, Nitrate + Nitrite (Expressed as N)	500	UG/L	U	none
16-021(c)	16-2777	0816-96-0112	06-Sep-96	Not Available	Unfiltered	Potassium	3370	UG/L	J	none
16-021(c)	16-2777	0816-96-0112	06-Sep-96	Not Available	Unfiltered	Selenium	2.9	UG/L	U	none
16-021(c)	16-2777	0816-96-0112	06-Sep-96	Not Available	Unfiltered	Silver	1	UG/L	U	none
16-021(c)	16-2777	0816-96-0112	06-Sep-96	Not Available	Unfiltered	Sodium	20600	UG/L	none	none
16-021(c)	16-2777	0816-96-0112	06-Sep-96	Not Available	Unfiltered	Thallium	3.4	UG/L	U	none
16-021(c)	16-2777	0816-96-0112	06-Sep-96	Not Available	Unfiltered	Uranium	0.09	UG/L	J-	none
16-021(c)	16-2777	0816-96-0112	06-Sep-96	Not Available	Unfiltered	Vanadium	1.6	UG/L	U	none
16-021(c)	16-2777	0816-96-0112	06-Sep-96	Not Available	Unfiltered	Zinc	13.2	UG/L	U	none
16-021(c)	16-2778	0816-96-0113	06-Sep-96	Not Available	Unfiltered	Aluminum	133	UG/L	U	none
16-021(c)	16-2778	0816-96-0113	06-Sep-96	Not Available	Unfiltered	Antimony	3	UG/L	U	none
16-021(c)	16-2778	0816-96-0113	06-Sep-96	Not Available	Unfiltered	Arsenic	3.5	UG/L	U	none
16-021(c)	16-2778	0816-96-0113	06-Sep-96	Not Available	Unfiltered	Barium	6350	UG/L	none	none
16-021(c)	16-2778	0816-96-0113	06-Sep-96	Not Available	Unfiltered	Beryllium	0.1	UG/L	U	none

Table I-3.0-8 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier	Prep Method
16-021(c)	16-2778	0816-96-0113	06-Sep-96	Not Available	Unfiltered	Cadmium	0.3	UG/L	U	none
16-021(c)	16-2778	0816-96-0113	06-Sep-96	Not Available	Unfiltered	Calcium	17100	UG/L	none	none
16-021(c)	16-2778	0816-96-0113	06-Sep-96	Not Available	Unfiltered	Chromium, Total	0.5	UG/L	U	none
16-021(c)	16-2778	0816-96-0113	06-Sep-96	Not Available	Unfiltered	Cobalt	1.1	UG/L	U	none
16-021(c)	16-2778	0816-96-0113	06-Sep-96	Not Available	Unfiltered	Copper	1.1	UG/L	U	none
16-021(c)	16-2778	0816-96-0113	06-Sep-96	Not Available	Unfiltered	Cyanide, Total	3.8	UG/L	U	none
16-021(c)	16-2778	0816-96-0113	06-Sep-96	Not Available	Unfiltered	Iron	120	UG/L	U	none
16-021(c)	16-2778	0816-96-0113	06-Sep-96	Not Available	Unfiltered	Lead	1.2	UG/L	U	none
16-021(c)	16-2778	0816-96-0113	06-Sep-96	Not Available	Unfiltered	Magnesium	5220	UG/L	none	none
16-021(c)	16-2778	0816-96-0113	06-Sep-96	Not Available	Unfiltered	Manganese	3.5	UG/L	U	none
16-021(c)	16-2778	0816-96-0113	06-Sep-96	Not Available	Unfiltered	Mercury	0.02	UG/L	U	none
16-021(c)	16-2778	0816-96-0113	06-Sep-96	Not Available	Unfiltered	Nickel	2.8	UG/L	J	none
16-021(c)	16-2778	0816-96-0113	06-Sep-96	Not Available	Unfiltered	Nitrogen, Nitrate + Nitrite (Expressed as N)	500	UG/L	U	none
16-021(c)	16-2778	0816-96-0113	06-Sep-96	Not Available	Unfiltered	Potassium	3450	UG/L	J	none
16-021(c)	16-2778	0816-96-0113	06-Sep-96	Not Available	Unfiltered	Selenium	1.8	UG/L	U	none
16-021(c)	16-2778	0816-96-0113	06-Sep-96	Not Available	Unfiltered	Silver	1	UG/L	U	none
16-021(c)	16-2778	0816-96-0113	06-Sep-96	Not Available	Unfiltered	Sodium	20700	UG/L	none	none
16-021(c)	16-2778	0816-96-0113	06-Sep-96	Not Available	Unfiltered	Thallium	3.4	UG/L	U	none
16-021(c)	16-2778	0816-96-0113	06-Sep-96	Not Available	Unfiltered	Uranium	0.11	UG/L	J-	none
16-021(c)	16-2778	0816-96-0113	06-Sep-96	Not Available	Unfiltered	Vanadium	2	UG/L	U	none
16-021(c)	16-2778	0816-96-0113	06-Sep-96	Not Available	Unfiltered	Zinc	2.5	UG/L	U	none
16-018	16-1001	AAB1597	17-Apr-90	Not Available	Filtered	Aluminum	120	UG/L	none	none
16-018	16-1001	AAB1597	17-Apr-90	Not Available	Filtered	Antimony	4	UG/L	none	none
16-018	16-1001	AAB1597	17-Apr-90	Not Available	Filtered	Arsenic	2	UG/L	U	none
16-018	16-1001	AAB1597	17-Apr-90	Not Available	Filtered	Barium	2900	UG/L	none	none
16-018	16-1001	AAB1597	17-Apr-90	Not Available	Filtered	Beryllium	1	UG/L	U	none
16-018	16-1001	AAB1597	17-Apr-90	Not Available	Filtered	Cadmium	3	UG/L	U	none

Table I-3.0-8 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier	Prep Method
16-018	16-1001	AAB1597	17-Apr-90	Not Available	Filtered	Calcium	18000	UG/L	none	none
16-018	16-1001	AAB1597	17-Apr-90	Not Available	Filtered	Chromium, Total	70	UG/L	U	none
16-018	16-1001	AAB1597	17-Apr-90	Not Available	Filtered	Cobalt	4	UG/L	U	none
16-018	16-1001	AAB1597	17-Apr-90	Not Available	Filtered	Copper	20	UG/L	U	none
16-018	16-1001	AAB1597	17-Apr-90	Not Available	Filtered	Iron	300	UG/L	U	none
16-018	16-1001	AAB1597	17-Apr-90	Not Available	Filtered	Lead	2	UG/L	U	none
16-018	16-1001	AAB1597	17-Apr-90	Not Available	Filtered	Magnesium	5300	UG/L	none	none
16-018	16-1001	AAB1597	17-Apr-90	Not Available	Filtered	Manganese	200	UG/L	U	none
16-018	16-1001	AAB1597	17-Apr-90	Not Available	Filtered	Mercury	0.2	UG/L	U	none
16-018	16-1001	AAB1597	17-Apr-90	Not Available	Filtered	Nickel	10	UG/L	U	none
16-018	16-1001	AAB1597	17-Apr-90	Not Available	Filtered	Potassium	3200	UG/L	none	none
16-018	16-1001	AAB1597	17-Apr-90	Not Available	Filtered	Selenium	3	UG/L	none	none
16-018	16-1001	AAB1597	17-Apr-90	Not Available	Filtered	Silver	40	UG/L	U	none
16-018	16-1001	AAB1597	17-Apr-90	Not Available	Filtered	Sodium	20000	UG/L	none	none
16-018	16-1001	AAB1597	17-Apr-90	Not Available	Filtered	Thallium	2	UG/L	U	none
16-018	16-1001	AAB1597	17-Apr-90	Not Available	Filtered	Vanadium	5	UG/L	none	none
16-018	16-1001	AAB1597	17-Apr-90	Not Available	Filtered	Zinc	20	UG/L	U	none
16-018	16-1002	AAB1598	17-Apr-90	Not Available	Filtered	Aluminum	150	UG/L	none	none
16-018	16-1002	AAB1598	17-Apr-90	Not Available	Filtered	Antimony	3	UG/L	none	none
16-018	16-1002	AAB1598	17-Apr-90	Not Available	Filtered	Arsenic	2	UG/L	U	none
16-018	16-1002	AAB1598	17-Apr-90	Not Available	Filtered	Barium	3000	UG/L	none	none
16-018	16-1002	AAB1598	17-Apr-90	Not Available	Filtered	Beryllium	1	UG/L	U	none
16-018	16-1002	AAB1598	17-Apr-90	Not Available	Filtered	Cadmium	3	UG/L	U	none
16-018	16-1002	AAB1598	17-Apr-90	Not Available	Filtered	Calcium	18000	UG/L	none	none
16-018	16-1002	AAB1598	17-Apr-90	Not Available	Filtered	Chromium, Total	70	UG/L	U	none
16-018	16-1002	AAB1598	17-Apr-90	Not Available	Filtered	Cobalt	4	UG/L	U	none
16-018	16-1002	AAB1598	17-Apr-90	Not Available	Filtered	Copper	20	UG/L	U	none
16-018	16-1002	AAB1598	17-Apr-90	Not Available	Filtered	Iron	300	UG/L	U	none

Table I-3.0-8 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier	Prep Method
16-018	16-1002	AAB1598	17-Apr-90	Not Available	Filtered	Lead	2	UG/L	U	none
16-018	16-1002	AAB1598	17-Apr-90	Not Available	Filtered	Magnesium	5400	UG/L	none	none
16-018	16-1002	AAB1598	17-Apr-90	Not Available	Filtered	Manganese	200	UG/L	U	none
16-018	16-1002	AAB1598	17-Apr-90	Not Available	Filtered	Mercury	0.2	UG/L	U	none
16-018	16-1002	AAB1598	17-Apr-90	Not Available	Filtered	Nickel	10	UG/L	U	none
16-018	16-1002	AAB1598	17-Apr-90	Not Available	Filtered	Potassium	3000	UG/L	none	none
16-018	16-1002	AAB1598	17-Apr-90	Not Available	Filtered	Selenium	3	UG/L	none	none
16-018	16-1002	AAB1598	17-Apr-90	Not Available	Filtered	Silver	40	UG/L	U	none
16-018	16-1002	AAB1598	17-Apr-90	Not Available	Filtered	Sodium	21000	UG/L	none	none
16-018	16-1002	AAB1598	17-Apr-90	Not Available	Filtered	Thallium	2	UG/L	U	none
16-018	16-1002	AAB1598	17-Apr-90	Not Available	Filtered	Vanadium	4	UG/L	U	none
16-018	16-1002	AAB1598	17-Apr-90	Not Available	Filtered	Zinc	20	UG/L	U	none
16-018	16-1003	AAB1599	17-Apr-90	Not Available	Filtered	Aluminum	151	UG/L	none	none
16-018	16-1003	AAB1599	17-Apr-90	Not Available	Filtered	Antimony	20	UG/L	U	none
16-018	16-1003	AAB1599	17-Apr-90	Not Available	Filtered	Arsenic	15	UG/L	U	none
16-018	16-1003	AAB1599	17-Apr-90	Not Available	Filtered	Barium	2890	UG/L	none	none
16-018	16-1003	AAB1599	17-Apr-90	Not Available	Filtered	Beryllium	1	UG/L	U	none
16-018	16-1003	AAB1599	17-Apr-90	Not Available	Filtered	Cadmium	2	UG/L	U	none
16-018	16-1003	AAB1599	17-Apr-90	Not Available	Filtered	Calcium	15800	UG/L	none	none
16-018	16-1003	AAB1599	17-Apr-90	Not Available	Filtered	Chromium, Total	4.3	UG/L	none	none
16-018	16-1003	AAB1599	17-Apr-90	Not Available	Filtered	Cobalt	3	UG/L	U	none
16-018	16-1003	AAB1599	17-Apr-90	Not Available	Filtered	Copper	4.6	UG/L	none	none
16-018	16-1003	AAB1599	17-Apr-90	Not Available	Filtered	Iron	99.4	UG/L	none	none
16-018	16-1003	AAB1599	17-Apr-90	Not Available	Filtered	Lead	16	UG/L	U	none
16-018	16-1003	AAB1599	17-Apr-90	Not Available	Filtered	Magnesium	4870	UG/L	U	none
16-018	16-1003	AAB1599	17-Apr-90	Not Available	Filtered	Manganese	8.3	UG/L	none	none
16-018	16-1003	AAB1599	17-Apr-90	Not Available	Filtered	Mercury	0.8	UG/L	R	none
16-018	16-1003	AAB1599	17-Apr-90	Not Available	Filtered	Nickel	4	UG/L	U	none

Table I-3.0-8 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier	Prep Method
16-018	16-1003	AAB1599	17-Apr-90	Not Available	Filtered	Nitrogen, Nitrate (Expressed as NO3)	0.05	UG/L	U	none
16-018	16-1003	AAB1599	17-Apr-90	Not Available	Filtered	Potassium	2760	UG/L	none	none
16-018	16-1003	AAB1599	17-Apr-90	Not Available	Filtered	Selenium	34	UG/L	U	none
16-018	16-1003	AAB1599	17-Apr-90	Not Available	Filtered	Silver	2	UG/L	U	none
16-018	16-1003	AAB1599	17-Apr-90	Not Available	Filtered	Sodium	20900	UG/L	none	none
16-018	16-1003	AAB1599	17-Apr-90	Not Available	Filtered	Thallium	68	UG/L	U	none
16-018	16-1003	AAB1599	17-Apr-90	Not Available	Filtered	Vanadium	3.4	UG/L	none	none
16-018	16-1003	AAB1599	17-Apr-90	Not Available	Filtered	Zinc	8.2	UG/L	none	none
16-018	16-1003	AAB1599	17-Apr-90	Not Available	Filtered	Zinc	11	UG/L	none	none
16-018	16-1004	AAB1600	17-Apr-90	Not Available	Filtered	Aluminum	100	UG/L	U	none
16-018	16-1004	AAB1600	17-Apr-90	Not Available	Filtered	Antimony	2	UG/L	none	none
16-018	16-1004	AAB1600	17-Apr-90	Not Available	Filtered	Arsenic	2	UG/L	U	none
16-018	16-1004	AAB1600	17-Apr-90	Not Available	Filtered	Barium	3300	UG/L	none	none
16-018	16-1004	AAB1600	17-Apr-90	Not Available	Filtered	Beryllium	1	UG/L	U	none
16-018	16-1004	AAB1600	17-Apr-90	Not Available	Filtered	Cadmium	3	UG/L	U	none
16-018	16-1004	AAB1600	17-Apr-90	Not Available	Filtered	Calcium	18000	UG/L	none	none
16-018	16-1004	AAB1600	17-Apr-90	Not Available	Filtered	Chromium, Total	70	UG/L	U	none
16-018	16-1004	AAB1600	17-Apr-90	Not Available	Filtered	Cobalt	4	UG/L	U	none
16-018	16-1004	AAB1600	17-Apr-90	Not Available	Filtered	Copper	20	UG/L	U	none
16-018	16-1004	AAB1600	17-Apr-90	Not Available	Filtered	Iron	300	UG/L	U	none
16-018	16-1004	AAB1600	17-Apr-90	Not Available	Filtered	Lead	2	UG/L	U	none
16-018	16-1004	AAB1600	17-Apr-90	Not Available	Filtered	Magnesium	5100	UG/L	none	none
16-018	16-1004	AAB1600	17-Apr-90	Not Available	Filtered	Manganese	200	UG/L	U	none
16-018	16-1004	AAB1600	17-Apr-90	Not Available	Filtered	Mercury	0.2	UG/L	U	none
16-018	16-1004	AAB1600	17-Apr-90	Not Available	Filtered	Nickel	10	UG/L	U	none
16-018	16-1004	AAB1600	17-Apr-90	Not Available	Filtered	Potassium	2400	UG/L	none	none
16-018	16-1004	AAB1600	17-Apr-90	Not Available	Filtered	Selenium	2	UG/L	U	none
16-018	16-1004	AAB1600	17-Apr-90	Not Available	Filtered	Silver	40	UG/L	U	none

Table I-3.0-8 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier	Prep Method
16-018	16-1004	AAB1600	17-Apr-90	Not Available	Filtered	Sodium	20000	UG/L	none	none
16-018	16-1004	AAB1600	17-Apr-90	Not Available	Filtered	Thallium	2	UG/L	U	none
16-018	16-1004	AAB1600	17-Apr-90	Not Available	Filtered	Vanadium	4	UG/L	U	none
16-018	16-1004	AAB1600	17-Apr-90	Not Available	Filtered	Zinc	20	UG/L	U	none
16-018	16-1005	AAB1601	17-Apr-90	Not Available	Filtered	Aluminum	51.6	UG/L	none	none
16-018	16-1005	AAB1601	17-Apr-90	Not Available	Filtered	Antimony	20	UG/L	U	none
16-018	16-1005	AAB1601	17-Apr-90	Not Available	Filtered	Arsenic	15	UG/L	U	none
16-018	16-1005	AAB1601	17-Apr-90	Not Available	Filtered	Barium	3060	UG/L	none	none
16-018	16-1005	AAB1601	17-Apr-90	Not Available	Filtered	Beryllium	1	UG/L	U	none
16-018	16-1005	AAB1601	17-Apr-90	Not Available	Filtered	Cadmium	2	UG/L	U	none
16-018	16-1005	AAB1601	17-Apr-90	Not Available	Filtered	Calcium	15300	UG/L	none	none
16-018	16-1005	AAB1601	17-Apr-90	Not Available	Filtered	Chromium, Total	3.8	UG/L	none	none
16-018	16-1005	AAB1601	17-Apr-90	Not Available	Filtered	Cobalt	3	UG/L	U	none
16-018	16-1005	AAB1601	17-Apr-90	Not Available	Filtered	Copper	3.2	UG/L	none	none
16-018	16-1005	AAB1601	17-Apr-90	Not Available	Filtered	Iron	124	UG/L	none	none
16-018	16-1005	AAB1601	17-Apr-90	Not Available	Filtered	Lead	16	UG/L	U	none
16-018	16-1005	AAB1601	17-Apr-90	Not Available	Filtered	Magnesium	4710	UG/L	none	none
16-018	16-1005	AAB1601	17-Apr-90	Not Available	Filtered	Manganese	65.1	UG/L	none	none
16-018	16-1005	AAB1601	17-Apr-90	Not Available	Filtered	Mercury	0.2	UG/L	R	none
16-018	16-1005	AAB1601	17-Apr-90	Not Available	Filtered	Nickel	4	UG/L	U	none
16-018	16-1005	AAB1601	17-Apr-90	Not Available	Filtered	Nitrogen, Nitrate (Expressed as NO3)	0.05	UG/L	U	none
16-018	16-1005	AAB1601	17-Apr-90	Not Available	Filtered	Potassium	2860	UG/L	none	none
16-018	16-1005	AAB1601	17-Apr-90	Not Available	Filtered	Selenium	34	UG/L	U	none
16-018	16-1005	AAB1601	17-Apr-90	Not Available	Filtered	Silver	2	UG/L	U	none
16-018	16-1005	AAB1601	17-Apr-90	Not Available	Filtered	Sodium	20400	UG/L	none	none
16-018	16-1005	AAB1601	17-Apr-90	Not Available	Filtered	Thallium	68	UG/L	U	none
16-018	16-1005	AAB1601	17-Apr-90	Not Available	Filtered	Vanadium	2.4	UG/L	none	none
16-018	16-1005	AAB1601	17-Apr-90	Not Available	Filtered	Zinc	17.2	UG/L	none	none

Table I-3.0-8 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier	Prep Method
16-018	16-1006	AAB1602	17-Apr-90	Not Available	Filtered	Aluminum	281	UG/L	none	none
16-018	16-1006	AAB1602	17-Apr-90	Not Available	Filtered	Antimony	20	UG/L	U	none
16-018	16-1006	AAB1602	17-Apr-90	Not Available	Filtered	Arsenic	15	UG/L	U	none
16-018	16-1006	AAB1602	17-Apr-90	Not Available	Filtered	Barium	3200	UG/L	none	none
16-018	16-1006	AAB1602	17-Apr-90	Not Available	Filtered	Beryllium	1	UG/L	U	none
16-018	16-1006	AAB1602	17-Apr-90	Not Available	Filtered	Cadmium	2	UG/L	U	none
16-018	16-1006	AAB1602	17-Apr-90	Not Available	Filtered	Calcium	15400	UG/L	none	none
16-018	16-1006	AAB1602	17-Apr-90	Not Available	Filtered	Chromium, Total	4.2	UG/L	none	none
16-018	16-1006	AAB1602	17-Apr-90	Not Available	Filtered	Cobalt	3	UG/L	U	none
16-018	16-1006	AAB1602	17-Apr-90	Not Available	Filtered	Copper	14.8	UG/L	none	none
16-018	16-1006	AAB1602	17-Apr-90	Not Available	Filtered	Iron	257	UG/L	none	none
16-018	16-1006	AAB1602	17-Apr-90	Not Available	Filtered	Lead	16	UG/L	U	none
16-018	16-1006	AAB1602	17-Apr-90	Not Available	Filtered	Magnesium	4770	UG/L	none	none
16-018	16-1006	AAB1602	17-Apr-90	Not Available	Filtered	Manganese	33.3	UG/L	none	none
16-018	16-1006	AAB1602	17-Apr-90	Not Available	Filtered	Mercury	6.5	UG/L	R	none
16-018	16-1006	AAB1602	17-Apr-90	Not Available	Filtered	Nickel	4	UG/L	U	none
16-018	16-1006	AAB1602	17-Apr-90	Not Available	Filtered	Nitrogen, Nitrate (Expressed as NO3)	0.05	UG/L	U	none
16-018	16-1006	AAB1602	17-Apr-90	Not Available	Filtered	Potassium	2780	UG/L	none	none
16-018	16-1006	AAB1602	17-Apr-90	Not Available	Filtered	Selenium	34	UG/L	U	none
16-018	16-1006	AAB1602	17-Apr-90	Not Available	Filtered	Silver	2	UG/L	U	none
16-018	16-1006	AAB1602	17-Apr-90	Not Available	Filtered	Sodium	19700	UG/L	none	none
16-018	16-1006	AAB1602	17-Apr-90	Not Available	Filtered	Thallium	68	UG/L	U	none
16-018	16-1006	AAB1602	17-Apr-90	Not Available	Filtered	Vanadium	3.2	UG/L	none	none
16-018	16-1006	AAB1602	17-Apr-90	Not Available	Filtered	Zinc	14.6	UG/L	none	none
16-018	16-1001	AAB1603	17-Apr-90	Not Available	Unfiltered	Aluminum	310	UG/L	none	none
16-018	16-1001	AAB1603	17-Apr-90	Not Available	Unfiltered	Antimony	2	UG/L	U	none
16-018	16-1001	AAB1603	17-Apr-90	Not Available	Unfiltered	Arsenic	2	UG/L	U	none
16-018	16-1001	AAB1603	17-Apr-90	Not Available	Unfiltered	Barium	3000	UG/L	none	none

Table I-3.0-8 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier	Prep Method
16-018	16-1001	AAB1603	17-Apr-90	Not Available	Unfiltered	Beryllium	1	UG/L	U	none
16-018	16-1001	AAB1603	17-Apr-90	Not Available	Unfiltered	Cadmium	3	UG/L	U	none
16-018	16-1001	AAB1603	17-Apr-90	Not Available	Unfiltered	Calcium	19000	UG/L	none	none
16-018	16-1001	AAB1603	17-Apr-90	Not Available	Unfiltered	Chromium, Total	70	UG/L	U	none
16-018	16-1001	AAB1603	17-Apr-90	Not Available	Unfiltered	Cobalt	4	UG/L	U	none
16-018	16-1001	AAB1603	17-Apr-90	Not Available	Unfiltered	Copper	20	UG/L	U	none
16-018	16-1001	AAB1603	17-Apr-90	Not Available	Unfiltered	Iron	300	UG/L	U	none
16-018	16-1001	AAB1603	17-Apr-90	Not Available	Unfiltered	Lead	2	UG/L	U	none
16-018	16-1001	AAB1603	17-Apr-90	Not Available	Unfiltered	Magnesium	5600	UG/L	none	none
16-018	16-1001	AAB1603	17-Apr-90	Not Available	Unfiltered	Manganese	200	UG/L	U	none
16-018	16-1001	AAB1603	17-Apr-90	Not Available	Unfiltered	Mercury	0.2	UG/L	U	none
16-018	16-1001	AAB1603	17-Apr-90	Not Available	Unfiltered	Nickel	10	UG/L	U	none
16-018	16-1001	AAB1603	17-Apr-90	Not Available	Unfiltered	Potassium	3000	UG/L	none	none
16-018	16-1001	AAB1603	17-Apr-90	Not Available	Unfiltered	Selenium	2	UG/L	U	none
16-018	16-1001	AAB1603	17-Apr-90	Not Available	Unfiltered	Silver	40	UG/L	U	none
16-018	16-1001	AAB1603	17-Apr-90	Not Available	Unfiltered	Sodium	21000	UG/L	none	none
16-018	16-1001	AAB1603	17-Apr-90	Not Available	Unfiltered	Thallium	2	UG/L	U	none
16-018	16-1001	AAB1603	17-Apr-90	Not Available	Unfiltered	Vanadium	4	UG/L	U	none
16-018	16-1001	AAB1603	17-Apr-90	Not Available	Unfiltered	Zinc	20	UG/L	U	none
16-018	16-1002	AAB1604	17-Apr-90	Not Available	Unfiltered	Aluminum	560	UG/L	none	none
16-018	16-1002	AAB1604	17-Apr-90	Not Available	Unfiltered	Antimony	2	UG/L	U	none
16-018	16-1002	AAB1604	17-Apr-90	Not Available	Unfiltered	Arsenic	2	UG/L	U	none
16-018	16-1002	AAB1604	17-Apr-90	Not Available	Unfiltered	Barium	3000	UG/L	none	none
16-018	16-1002	AAB1604	17-Apr-90	Not Available	Unfiltered	Beryllium	1	UG/L	U	none
16-018	16-1002	AAB1604	17-Apr-90	Not Available	Unfiltered	Cadmium	3	UG/L	U	none
16-018	16-1002	AAB1604	17-Apr-90	Not Available	Unfiltered	Calcium	19000	UG/L	none	none
16-018	16-1002	AAB1604	17-Apr-90	Not Available	Unfiltered	Chromium, Total	70	UG/L	U	none
16-018	16-1002	AAB1604	17-Apr-90	Not Available	Unfiltered	Cobalt	4	UG/L	U	none

Table I-3.0-8 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier	Prep Method
16-018	16-1002	AAB1604	17-Apr-90	Not Available	Unfiltered	Copper	20	UG/L	U	none
16-018	16-1002	AAB1604	17-Apr-90	Not Available	Unfiltered	Iron	340	UG/L	none	none
16-018	16-1002	AAB1604	17-Apr-90	Not Available	Unfiltered	Lead	2	UG/L	U	none
16-018	16-1002	AAB1604	17-Apr-90	Not Available	Unfiltered	Magnesium	5500	UG/L	none	none
16-018	16-1002	AAB1604	17-Apr-90	Not Available	Unfiltered	Manganese	200	UG/L	U	none
16-018	16-1002	AAB1604	17-Apr-90	Not Available	Unfiltered	Mercury	0.2	UG/L	U	none
16-018	16-1002	AAB1604	17-Apr-90	Not Available	Unfiltered	Nickel	10	UG/L	U	none
16-018	16-1002	AAB1604	17-Apr-90	Not Available	Unfiltered	Potassium	3100	UG/L	none	none
16-018	16-1002	AAB1604	17-Apr-90	Not Available	Unfiltered	Selenium	2	UG/L	U	none
16-018	16-1002	AAB1604	17-Apr-90	Not Available	Unfiltered	Silver	40	UG/L	U	none
16-018	16-1002	AAB1604	17-Apr-90	Not Available	Unfiltered	Sodium	20000	UG/L	none	none
16-018	16-1002	AAB1604	17-Apr-90	Not Available	Unfiltered	Thallium	2	UG/L	U	none
16-018	16-1002	AAB1604	17-Apr-90	Not Available	Unfiltered	Vanadium	4	UG/L	U	none
16-018	16-1002	AAB1604	17-Apr-90	Not Available	Unfiltered	Zinc	20	UG/L	U	none
16-018	16-1003	AAB1605	17-Apr-90	Not Available	Unfiltered	Aluminum	740	UG/L	none	none
16-018	16-1003	AAB1605	17-Apr-90	Not Available	Unfiltered	Antimony	2	UG/L	U	none
16-018	16-1003	AAB1605	17-Apr-90	Not Available	Unfiltered	Arsenic	2	UG/L	U	none
16-018	16-1003	AAB1605	17-Apr-90	Not Available	Unfiltered	Barium	3100	UG/L	none	none
16-018	16-1003	AAB1605	17-Apr-90	Not Available	Unfiltered	Beryllium	1	UG/L	U	none
16-018	16-1003	AAB1605	17-Apr-90	Not Available	Unfiltered	Cadmium	3	UG/L	U	none
16-018	16-1003	AAB1605	17-Apr-90	Not Available	Unfiltered	Calcium	19000	UG/L	none	none
16-018	16-1003	AAB1605	17-Apr-90	Not Available	Unfiltered	Chromium, Total	70	UG/L	U	none
16-018	16-1003	AAB1605	17-Apr-90	Not Available	Unfiltered	Cobalt	4	UG/L	U	none
16-018	16-1003	AAB1605	17-Apr-90	Not Available	Unfiltered	Copper	20	UG/L	U	none
16-018	16-1003	AAB1605	17-Apr-90	Not Available	Unfiltered	Iron	350	UG/L	none	none
16-018	16-1003	AAB1605	17-Apr-90	Not Available	Unfiltered	Lead	2	UG/L	U	none
16-018	16-1003	AAB1605	17-Apr-90	Not Available	Unfiltered	Magnesium	5500	UG/L	none	none
16-018	16-1003	AAB1605	17-Apr-90	Not Available	Unfiltered	Manganese	200	UG/L	U	none

Table I-3.0-8 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier	Prep Method
16-018	16-1003	AAB1605	17-Apr-90	Not Available	Unfiltered	Mercury	0.2	UG/L	U	none
16-018	16-1003	AAB1605	17-Apr-90	Not Available	Unfiltered	Nickel	10	UG/L	U	none
16-018	16-1003	AAB1605	17-Apr-90	Not Available	Unfiltered	Potassium	2500	UG/L	none	none
16-018	16-1003	AAB1605	17-Apr-90	Not Available	Unfiltered	Selenium	3	UG/L	none	none
16-018	16-1003	AAB1605	17-Apr-90	Not Available	Unfiltered	Silver	40	UG/L	U	none
16-018	16-1003	AAB1605	17-Apr-90	Not Available	Unfiltered	Sodium	20000	UG/L	none	none
16-018	16-1003	AAB1605	17-Apr-90	Not Available	Unfiltered	Thallium	2	UG/L	U	none
16-018	16-1003	AAB1605	17-Apr-90	Not Available	Unfiltered	Vanadium	4	UG/L	U	none
16-018	16-1003	AAB1605	17-Apr-90	Not Available	Unfiltered	Zinc	20	UG/L	U	none
16-018	16-1004	AAB1606	17-Apr-90	Not Available	Unfiltered	Aluminum	370	UG/L	none	none
16-018	16-1004	AAB1606	17-Apr-90	Not Available	Unfiltered	Antimony	2	UG/L	U	none
16-018	16-1004	AAB1606	17-Apr-90	Not Available	Unfiltered	Arsenic	2	UG/L	U	none
16-018	16-1004	AAB1606	17-Apr-90	Not Available	Unfiltered	Barium	3400	UG/L	none	none
16-018	16-1004	AAB1606	17-Apr-90	Not Available	Unfiltered	Beryllium	1	UG/L	U	none
16-018	16-1004	AAB1606	17-Apr-90	Not Available	Unfiltered	Cadmium	3	UG/L	U	none
16-018	16-1004	AAB1606	17-Apr-90	Not Available	Unfiltered	Calcium	18000	UG/L	none	none
16-018	16-1004	AAB1606	17-Apr-90	Not Available	Unfiltered	Chromium, Total	70	UG/L	U	none
16-018	16-1004	AAB1606	17-Apr-90	Not Available	Unfiltered	Cobalt	4	UG/L	U	none
16-018	16-1004	AAB1606	17-Apr-90	Not Available	Unfiltered	Copper	20	UG/L	U	none
16-018	16-1004	AAB1606	17-Apr-90	Not Available	Unfiltered	Iron	310	UG/L	none	none
16-018	16-1004	AAB1606	17-Apr-90	Not Available	Unfiltered	Lead	2	UG/L	U	none
16-018	16-1004	AAB1606	17-Apr-90	Not Available	Unfiltered	Magnesium	5300	UG/L	none	none
16-018	16-1004	AAB1606	17-Apr-90	Not Available	Unfiltered	Manganese	200	UG/L	U	none
16-018	16-1004	AAB1606	17-Apr-90	Not Available	Unfiltered	Mercury	0.2	UG/L	U	none
16-018	16-1004	AAB1606	17-Apr-90	Not Available	Unfiltered	Nickel	10	UG/L	U	none
16-018	16-1004	AAB1606	17-Apr-90	Not Available	Unfiltered	Potassium	2700	UG/L	none	none
16-018	16-1004	AAB1606	17-Apr-90	Not Available	Unfiltered	Selenium	2	UG/L	U	none
16-018	16-1004	AAB1606	17-Apr-90	Not Available	Unfiltered	Silver	40	UG/L	U	none

Table I-3.0-8 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier	Prep Method
16-018	16-1004	AAB1606	17-Apr-90	Not Available	Unfiltered	Sodium	20000	UG/L	none	none
16-018	16-1004	AAB1606	17-Apr-90	Not Available	Unfiltered	Thallium	2	UG/L	U	none
16-018	16-1004	AAB1606	17-Apr-90	Not Available	Unfiltered	Vanadium	5	UG/L	none	none
16-018	16-1004	AAB1606	17-Apr-90	Not Available	Unfiltered	Zinc	20	UG/L	U	none
16-018	16-1005	AAB1607	17-Apr-90	Not Available	Unfiltered	Aluminum	180	UG/L	none	none
16-018	16-1005	AAB1607	17-Apr-90	Not Available	Unfiltered	Antimony	2	UG/L	U	none
16-018	16-1005	AAB1607	17-Apr-90	Not Available	Unfiltered	Arsenic	2	UG/L	U	none
16-018	16-1005	AAB1607	17-Apr-90	Not Available	Unfiltered	Barium	3400	UG/L	none	none
16-018	16-1005	AAB1607	17-Apr-90	Not Available	Unfiltered	Beryllium	1	UG/L	U	none
16-018	16-1005	AAB1607	17-Apr-90	Not Available	Unfiltered	Cadmium	3	UG/L	U	none
16-018	16-1005	AAB1607	17-Apr-90	Not Available	Unfiltered	Calcium	18000	UG/L	none	none
16-018	16-1005	AAB1607	17-Apr-90	Not Available	Unfiltered	Chromium, Total	70	UG/L	U	none
16-018	16-1005	AAB1607	17-Apr-90	Not Available	Unfiltered	Cobalt	4	UG/L	U	none
16-018	16-1005	AAB1607	17-Apr-90	Not Available	Unfiltered	Copper	20	UG/L	U	none
16-018	16-1005	AAB1607	17-Apr-90	Not Available	Unfiltered	Iron	300	UG/L	U	none
16-018	16-1005	AAB1607	17-Apr-90	Not Available	Unfiltered	Lead	2	UG/L	U	none
16-018	16-1005	AAB1607	17-Apr-90	Not Available	Unfiltered	Magnesium	5200	UG/L	none	none
16-018	16-1005	AAB1607	17-Apr-90	Not Available	Unfiltered	Manganese	200	UG/L	U	none
16-018	16-1005	AAB1607	17-Apr-90	Not Available	Unfiltered	Mercury	0.2	UG/L	U	none
16-018	16-1005	AAB1607	17-Apr-90	Not Available	Unfiltered	Nickel	10	UG/L	U	none
16-018	16-1005	AAB1607	17-Apr-90	Not Available	Unfiltered	Potassium	2800	UG/L	none	none
16-018	16-1005	AAB1607	17-Apr-90	Not Available	Unfiltered	Selenium	2	UG/L	U	none
16-018	16-1005	AAB1607	17-Apr-90	Not Available	Unfiltered	Silver	40	UG/L	U	none
16-018	16-1005	AAB1607	17-Apr-90	Not Available	Unfiltered	Sodium	20000	UG/L	none	none
16-018	16-1005	AAB1607	17-Apr-90	Not Available	Unfiltered	Thallium	2	UG/L	U	none
16-018	16-1005	AAB1607	17-Apr-90	Not Available	Unfiltered	Vanadium	4	UG/L	U	none
16-018	16-1005	AAB1607	17-Apr-90	Not Available	Unfiltered	Zinc	20	UG/L	U	none
16-018	16-1006	AAB1608	17-Apr-90	Not Available	Unfiltered	Aluminum	100	UG/L	U	none

Table I-3.0-8 (concluded)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier	Prep Method
16-018	16-1006	AAB1608	17-Apr-90	Not Available	Unfiltered	Antimony	3	UG/L	none	none
16-018	16-1006	AAB1608	17-Apr-90	Not Available	Unfiltered	Arsenic	2	UG/L	U	none
16-018	16-1006	AAB1608	17-Apr-90	Not Available	Unfiltered	Barium	3300	UG/L	none	none
16-018	16-1006	AAB1608	17-Apr-90	Not Available	Unfiltered	Beryllium	1	UG/L	U	none
16-018	16-1006	AAB1608	17-Apr-90	Not Available	Unfiltered	Cadmium	3	UG/L	U	none
16-018	16-1006	AAB1608	17-Apr-90	Not Available	Unfiltered	Calcium	17000	UG/L	none	none
16-018	16-1006	AAB1608	17-Apr-90	Not Available	Unfiltered	Chromium, Total	70	UG/L	U	none
16-018	16-1006	AAB1608	17-Apr-90	Not Available	Unfiltered	Cobalt	4	UG/L	U	none
16-018	16-1006	AAB1608	17-Apr-90	Not Available	Unfiltered	Copper	20	UG/L	U	none
16-018	16-1006	AAB1608	17-Apr-90	Not Available	Unfiltered	Iron	300	UG/L	U	none
16-018	16-1006	AAB1608	17-Apr-90	Not Available	Unfiltered	Lead	2	UG/L	U	none
16-018	16-1006	AAB1608	17-Apr-90	Not Available	Unfiltered	Magnesium	5100	UG/L	none	none
16-018	16-1006	AAB1608	17-Apr-90	Not Available	Unfiltered	Manganese	200	UG/L	U	none
16-018	16-1006	AAB1608	17-Apr-90	Not Available	Unfiltered	Mercury	0.2	UG/L	U	none
16-018	16-1006	AAB1608	17-Apr-90	Not Available	Unfiltered	Nickel	10	UG/L	U	none
16-018	16-1006	AAB1608	17-Apr-90	Not Available	Unfiltered	Potassium	2500	UG/L	none	none
16-018	16-1006	AAB1608	17-Apr-90	Not Available	Unfiltered	Selenium	2	UG/L	U	none
16-018	16-1006	AAB1608	17-Apr-90	Not Available	Unfiltered	Silver	40	UG/L	U	none
16-018	16-1006	AAB1608	17-Apr-90	Not Available	Unfiltered	Sodium	22000	UG/L	none	none
16-018	16-1006	AAB1608	17-Apr-90	Not Available	Unfiltered	Thallium	2	UG/L	U	none
16-018	16-1006	AAB1608	17-Apr-90	Not Available	Unfiltered	Vanadium	4	UG/L	U	none
16-018	16-1006	AAB1608	17-Apr-90	Not Available	Unfiltered	Zinc	20	UG/L	U	none

Table I-3.0-9

Water Quality Chemicals in Surface Water Samples

PRS ID	Location Id	Sample Id	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	Bromide	2000	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	Chloride	16000	UG/L	none
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	Conductivity	160	UMHOS	none
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	Fluoride	200	UG/L	none
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	pH	7.75	SU	none
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	Solids, Total Dissolved	150000	UG/L	none
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	Solids, Total Suspended	5000	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	Sulfate	13000	UG/L	none
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	Turbidity	24	NTU	none
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	Bromide	4000	UG/L	UA
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	Chloride	24000	UG/L	none
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	Fluoride	100	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	Sulfate	8000	UG/L	none
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	Bromide	2000	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	Chloride	25000	UG/L	none
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	Fluoride	100	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	Sulfate	10000	UG/L	none

Table I-3.0-10
Radionuclides in Surface Water Samples

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	Gross Alpha Radiation	1.39	PCI/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	Gross Beta Radiation	5.26	PCI/L	none
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	Gross Gamma Radiation	225	PCI/L	none
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	Uranium-234	0.099	PCI/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	Uranium-235	0.045	PCI/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	Uranium-238	0.054	PCI/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	Gross Alpha Radiation	2.71	PCI/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	Gross Beta Radiation	4.61	PCI/L	none
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	Gross Gamma Radiation	213	PCI/L	none
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	Uranium-234	0.144	PCI/L	none
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	Uranium-235	0.018	PCI/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	Nav[a]	Unfiltered	Actinium-228	7.23	PCI/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	Nav	Unfiltered	Americium-241	2.6	PCI/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	Nav	Unfiltered	Annihilation Radiation	-26.8	PCI/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	Nav	Unfiltered	Barium-140	-3.27	PCI/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	Nav	Unfiltered	Bismuth-211	-35.8	PCI/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	Nav	Unfiltered	Bismuth-212	264	PCI/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	Nav	Unfiltered	Bismuth-214	10.2	PCI/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	Nav	Unfiltered	Cadmium-109	24.9	PCI/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	Nav	Unfiltered	Cerium-139	-3.29	PCI/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	Nav	Unfiltered	Cerium-144	9.78	PCI/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	Nav	Unfiltered	Cesium-134	3.3	PCI/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	Nav	Unfiltered	Cesium-137	-2.25	PCI/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	Nav	Unfiltered	Cobalt-57	0	PCI/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	Nav	Unfiltered	Cobalt-60	0.236	PCI/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	Nav	Unfiltered	Europium-152	-3.97	PCI/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	Nav	Unfiltered	Lanthanum-140	-81.6	PCI/L	U

Table I-3.0-10 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	Lead-211	47.2	PCI/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	Lead-212	4.55	PCI/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	Lead-214	15.4	PCI/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	Manganese-54	-1.73	PCI/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	Mercury-203	-0.901	PCI/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	Neptunium-237	-10.6	PCI/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	Potassium-40	-99.6	PCI/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	Protactinium-231	30.9	PCI/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	Protactinium-233	-2.26	PCI/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	Protactinium-234M	-823	PCI/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	Radium-223	1.22	PCI/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	Radium-224	-137	PCI/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	Radium-226	78.9	PCI/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	Radon-219	0.442	PCI/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	Ruthenium-106	12.9	PCI/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	Selenium-75	-2.44	PCI/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	Sodium-22	0.512	PCI/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	Strontium-85	-8.05	PCI/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	Thallium-208	7.43	PCI/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	Thorium-227	-8.59	PCI/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	Thorium-234	-120	PCI/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	Tin-113	-5.41	PCI/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	Uranium-235	0.342	PCI/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	Yttrium-88	5.72	PCI/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	Zinc-65	2.4	PCI/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	Actinium-228	-1.9	PCI/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	Americium-241	-2.33	PCI/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	Annihilation Radiation	-22.6	PCI/L	U

Table I-3.0-10 (continued)									
PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	Barium-140	0	PCI/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	Bismuth-211	31	PCI/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	Bismuth-212	16.4	PCI/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	Bismuth-214	2.09	PCI/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	Cadmium-109	77.1	PCI/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	Cerium-139	0.386	PCI/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	Cerium-144	-5.37	PCI/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	Cesium-134	0.525	PCI/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	Cesium-137	-2.24	PCI/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	Cobalt-57	1.25	PCI/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	Cobalt-60	-1.58	PCI/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	Europium-152	-0.856	PCI/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	Lanthanum-140	-4.86	PCI/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	Lead-211	-17.1	PCI/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	Lead-212	-1.12	PCI/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	Lead-214	1.7	PCI/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	Manganese-54	0.99	PCI/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	Mercury-203	1.08	PCI/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	Neptunium-237	-3.28	PCI/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	Potassium-40	-19.3	PCI/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	Protactinium-231	49.1	PCI/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	Protactinium-233	0.152	PCI/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	Protactinium-234M	98.3	PCI/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	Radium-223	-12.5	PCI/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	Radium-224	-113	PCI/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	Radium-226	-19.2	PCI/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	Radon-219	-8.62	PCI/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	Ruthenium-106	2.37	PCI/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	Selenium-75	-1.68	PCI/L	U

Table I-3.0-10 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	Sodium-22	1.31	PCI/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	Strontium-85	1.73	PCI/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	Thallium-208	-1.25	PCI/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	Thorium-227	-27.9	PCI/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	Thorium-234	-243	PCI/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	Tin-113	1.14	PCI/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	Uranium-235	-1.99	PCI/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	Yttrium-88	-1.18	PCI/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	Zinc-65	0.647	PCI/L	U
16-021(c)	16-2759	0816-96-0093	06-Sep-96	NAv	Unfiltered	Actinium-228	5.25	PCI/L	U
16-021(c)	16-2759	0816-96-0093	06-Sep-96	NAv	Unfiltered	Americium-241	13.3	PCI/L	U
16-021(c)	16-2759	0816-96-0093	06-Sep-96	NAv	Unfiltered	Annihilation Radiation	-19.3	PCI/L	U
16-021(c)	16-2759	0816-96-0093	06-Sep-96	NAv	Unfiltered	Barium-140	19.3	PCI/L	U
16-021(c)	16-2759	0816-96-0093	06-Sep-96	NAv	Unfiltered	Bismuth-211	-2.57	PCI/L	U
16-021(c)	16-2759	0816-96-0093	06-Sep-96	NAv	Unfiltered	Bismuth-212	-104	PCI/L	U
16-021(c)	16-2759	0816-96-0093	06-Sep-96	NAv	Unfiltered	Bismuth-214	-2.63	PCI/L	U
16-021(c)	16-2759	0816-96-0093	06-Sep-96	NAv	Unfiltered	Cadmium-109	-16.6	PCI/L	U
16-021(c)	16-2759	0816-96-0093	06-Sep-96	NAv	Unfiltered	Cerium-139	-0.731	PCI/L	U
16-021(c)	16-2759	0816-96-0093	06-Sep-96	NAv	Unfiltered	Cerium-144	-4.75	PCI/L	U
16-021(c)	16-2759	0816-96-0093	06-Sep-96	NAv	Unfiltered	Cesium-134	2.64	PCI/L	U
16-021(c)	16-2759	0816-96-0093	06-Sep-96	NAv	Unfiltered	Cesium-137	-1.97	PCI/L	U
16-021(c)	16-2759	0816-96-0093	06-Sep-96	NAv	Unfiltered	Cobalt-57	1.41	PCI/L	U
16-021(c)	16-2759	0816-96-0093	06-Sep-96	NAv	Unfiltered	Cobalt-60	0.864	PCI/L	U
16-021(c)	16-2759	0816-96-0093	06-Sep-96	NAv	Unfiltered	Europium-152	-9.38	PCI/L	U
16-021(c)	16-2759	0816-96-0093	06-Sep-96	NAv	Unfiltered	Lanthanum-140	83	PCI/L	U
16-021(c)	16-2759	0816-96-0093	06-Sep-96	NAv	Unfiltered	Lead-211	-97.3	PCI/L	U
16-021(c)	16-2759	0816-96-0093	06-Sep-96	NAv	Unfiltered	Lead-212	0.276	PCI/L	U
16-021(c)	16-2759	0816-96-0093	06-Sep-96	NAv	Unfiltered	Lead-214	-9.1	PCI/L	U
16-021(c)	16-2759	0816-96-0093	06-Sep-96	NAv	Unfiltered	Manganese-54	4.49	PCI/L	U

Table I-3.0-10 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-021(c)	16-2759	0816-96-0093	06-Sep-96	NAv	Unfiltered	Mercury-203	1.39	PCI/L	U
16-021(c)	16-2759	0816-96-0093	06-Sep-96	NAv	Unfiltered	Neptunium-237	9.61	PCI/L	U
16-021(c)	16-2759	0816-96-0093	06-Sep-96	NAv	Unfiltered	Potassium-40	-30.1	PCI/L	U
16-021(c)	16-2759	0816-96-0093	06-Sep-96	NAv	Unfiltered	Protactinium-231	121	PCI/L	U
16-021(c)	16-2759	0816-96-0093	06-Sep-96	NAv	Unfiltered	Protactinium-233	-4.57	PCI/L	U
16-021(c)	16-2759	0816-96-0093	06-Sep-96	NAv	Unfiltered	Protactinium-234M	395	PCI/L	U
16-021(c)	16-2759	0816-96-0093	06-Sep-96	NAv	Unfiltered	Radium-223	69.6	PCI/L	U
16-021(c)	16-2759	0816-96-0093	06-Sep-96	NAv	Unfiltered	Radium-224	-122	PCI/L	U
16-021(c)	16-2759	0816-96-0093	06-Sep-96	NAv	Unfiltered	Radium-226	3.18	PCI/L	U
16-021(c)	16-2759	0816-96-0093	06-Sep-96	NAv	Unfiltered	Radon-219	7.61	PCI/L	U
16-021(c)	16-2759	0816-96-0093	06-Sep-96	NAv	Unfiltered	Ruthenium-106	-28.9	PCI/L	U
16-021(c)	16-2759	0816-96-0093	06-Sep-96	NAv	Unfiltered	Selenium-75	-4.56	PCI/L	U
16-021(c)	16-2759	0816-96-0093	06-Sep-96	NAv	Unfiltered	Sodium-22	2.98	PCI/L	U
16-021(c)	16-2759	0816-96-0093	06-Sep-96	NAv	Unfiltered	Strontium-85	-11.3	PCI/L	U
16-021(c)	16-2759	0816-96-0093	06-Sep-96	NAv	Unfiltered	Thallium-208	-0.847	PCI/L	U
16-021(c)	16-2759	0816-96-0093	06-Sep-96	NAv	Unfiltered	Thorium-227	9.56	PCI/L	U
16-021(c)	16-2759	0816-96-0093	06-Sep-96	NAv	Unfiltered	Thorium-234	-84.5	PCI/L	U
16-021(c)	16-2759	0816-96-0093	06-Sep-96	NAv	Unfiltered	Tin-113	-0.396	PCI/L	U
16-021(c)	16-2759	0816-96-0093	06-Sep-96	NAv	Unfiltered	Uranium-235	1.16	PCI/L	U
16-021(c)	16-2759	0816-96-0093	06-Sep-96	NAv	Unfiltered	Yttrium-88	-0.41	PCI/L	U
16-021(c)	16-2759	0816-96-0093	06-Sep-96	NAv	Unfiltered	Zinc-65	1.78	PCI/L	U
16-021(c)	16-2760	0816-96-0094	06-Sep-96	NAv	Unfiltered	Actinium-228	-11	PCI/L	U
16-021(c)	16-2760	0816-96-0094	06-Sep-96	NAv	Unfiltered	Americium-241	2.45	PCI/L	U
16-021(c)	16-2760	0816-96-0094	06-Sep-96	NAv	Unfiltered	Annihilation Radiation	-28.4	PCI/L	U
16-021(c)	16-2760	0816-96-0094	06-Sep-96	NAv	Unfiltered	Barium-140	3.18	PCI/L	U
16-021(c)	16-2760	0816-96-0094	06-Sep-96	NAv	Unfiltered	Bismuth-211	-16.6	PCI/L	U
16-021(c)	16-2760	0816-96-0094	06-Sep-96	NAv	Unfiltered	Bismuth-212	47.9	PCI/L	U
16-021(c)	16-2760	0816-96-0094	06-Sep-96	NAv	Unfiltered	Bismuth-214	0.655	PCI/L	U
16-021(c)	16-2760	0816-96-0094	06-Sep-96	NAv	Unfiltered	Cadmium-109	61.5	PCI/L	U

Table I-3.0-10 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-021(c)	16-2760	0816-96-0094	06-Sep-96	NAv	Unfiltered	Cerium-139	-0.231	PCI/L	U
16-021(c)	16-2760	0816-96-0094	06-Sep-96	NAv	Unfiltered	Cerium-144	-4.13	PCI/L	U
16-021(c)	16-2760	0816-96-0094	06-Sep-96	NAv	Unfiltered	Cesium-134	-0.4	PCI/L	U
16-021(c)	16-2760	0816-96-0094	06-Sep-96	NAv	Unfiltered	Cesium-137	0.671	PCI/L	U
16-021(c)	16-2760	0816-96-0094	06-Sep-96	NAv	Unfiltered	Cobalt-57	-1.38	PCI/L	U
16-021(c)	16-2760	0816-96-0094	06-Sep-96	NAv	Unfiltered	Cobalt-60	-0.162	PCI/L	U
16-021(c)	16-2760	0816-96-0094	06-Sep-96	NAv	Unfiltered	Europium-152	8.17	PCI/L	U
16-021(c)	16-2760	0816-96-0094	06-Sep-96	NAv	Unfiltered	Lanthanum-140	-360	PCI/L	U
16-021(c)	16-2760	0816-96-0094	06-Sep-96	NAv	Unfiltered	Lead-211	94	PCI/L	U
16-021(c)	16-2760	0816-96-0094	06-Sep-96	NAv	Unfiltered	Lead-212	1.28	PCI/L	U
16-021(c)	16-2760	0816-96-0094	06-Sep-96	NAv	Unfiltered	Lead-214	-5.92	PCI/L	U
16-021(c)	16-2760	0816-96-0094	06-Sep-96	NAv	Unfiltered	Manganese-54	3.22	PCI/L	U
16-021(c)	16-2760	0816-96-0094	06-Sep-96	NAv	Unfiltered	Mercury-203	-0.517	PCI/L	U
16-021(c)	16-2760	0816-96-0094	06-Sep-96	NAv	Unfiltered	Neptunium-237	-4.6	PCI/L	U
16-021(c)	16-2760	0816-96-0094	06-Sep-96	NAv	Unfiltered	Potassium-40	93.1	PCI/L	U
16-021(c)	16-2760	0816-96-0094	06-Sep-96	NAv	Unfiltered	Protactinium-231	-91.5	PCI/L	U
16-021(c)	16-2760	0816-96-0094	06-Sep-96	NAv	Unfiltered	Protactinium-233	4.16	PCI/L	U
16-021(c)	16-2760	0816-96-0094	06-Sep-96	NAv	Unfiltered	Protactinium-234M	435	PCI/L	U
16-021(c)	16-2760	0816-96-0094	06-Sep-96	NAv	Unfiltered	Radium-223	37.7	PCI/L	U
16-021(c)	16-2760	0816-96-0094	06-Sep-96	NAv	Unfiltered	Radium-224	-139	PCI/L	U
16-021(c)	16-2760	0816-96-0094	06-Sep-96	NAv	Unfiltered	Radium-226	151	PCI/L	U
16-021(c)	16-2760	0816-96-0094	06-Sep-96	NAv	Unfiltered	Radon-219	-24.1	PCI/L	U
16-021(c)	16-2760	0816-96-0094	06-Sep-96	NAv	Unfiltered	Ruthenium-106	22.5	PCI/L	U
16-021(c)	16-2760	0816-96-0094	06-Sep-96	NAv	Unfiltered	Selenium-75	-0.511	PCI/L	U
16-021(c)	16-2760	0816-96-0094	06-Sep-96	NAv	Unfiltered	Sodium-22	-2.17	PCI/L	U
16-021(c)	16-2760	0816-96-0094	06-Sep-96	NAv	Unfiltered	Strontium-85	-6.31	PCI/L	U
16-021(c)	16-2760	0816-96-0094	06-Sep-96	NAv	Unfiltered	Thallium-208	7.86	PCI/L	U
16-021(c)	16-2760	0816-96-0094	06-Sep-96	NAv	Unfiltered	Thorium-227	0.981	PCI/L	U
16-021(c)	16-2760	0816-96-0094	06-Sep-96	NAv	Unfiltered	Thorium-234	-134	PCI/L	U

Table I-3.0-10 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-021(c)	16-2760	0816-96-0094	06-Sep-96	NAv	Unfiltered	Tin-113	3.59	PCI/L	U
16-021(c)	16-2760	0816-96-0094	06-Sep-96	NAv	Unfiltered	Uranium-235	3.81	PCI/L	U
16-021(c)	16-2760	0816-96-0094	06-Sep-96	NAv	Unfiltered	Yttrium-88	-2.14	PCI/L	U
16-021(c)	16-2760	0816-96-0094	06-Sep-96	NAv	Unfiltered	Zinc-65	2.65	PCI/L	U
16-021(c)	16-2761	0816-96-0095	06-Sep-96	NAv	Unfiltered	Actinium-228	0.427	PCI/L	U
16-021(c)	16-2761	0816-96-0095	06-Sep-96	NAv	Unfiltered	Americium-241	-5.61	PCI/L	U
16-021(c)	16-2761	0816-96-0095	06-Sep-96	NAv	Unfiltered	Annihilation Radiation	-20.3	PCI/L	U
16-021(c)	16-2761	0816-96-0095	06-Sep-96	NAv	Unfiltered	Barium-140	-5.04	PCI/L	U
16-021(c)	16-2761	0816-96-0095	06-Sep-96	NAv	Unfiltered	Bismuth-211	-17.2	PCI/L	U
16-021(c)	16-2761	0816-96-0095	06-Sep-96	NAv	Unfiltered	Bismuth-212	-25.2	PCI/L	U
16-021(c)	16-2761	0816-96-0095	06-Sep-96	NAv	Unfiltered	Bismuth-214	16.4	PCI/L	U
16-021(c)	16-2761	0816-96-0095	06-Sep-96	NAv	Unfiltered	Cadmium-109	1.33	PCI/L	U
16-021(c)	16-2761	0816-96-0095	06-Sep-96	NAv	Unfiltered	Cerium-139	-0.492	PCI/L	U
16-021(c)	16-2761	0816-96-0095	06-Sep-96	NAv	Unfiltered	Cerium-144	5.77	PCI/L	U
16-021(c)	16-2761	0816-96-0095	06-Sep-96	NAv	Unfiltered	Cesium-134	-0.0579	PCI/L	U
16-021(c)	16-2761	0816-96-0095	06-Sep-96	NAv	Unfiltered	Cesium-137	-2.43	PCI/L	U
16-021(c)	16-2761	0816-96-0095	06-Sep-96	NAv	Unfiltered	Cobalt-57	1.52	PCI/L	U
16-021(c)	16-2761	0816-96-0095	06-Sep-96	NAv	Unfiltered	Cobalt-60	1.93	PCI/L	U
16-021(c)	16-2761	0816-96-0095	06-Sep-96	NAv	Unfiltered	Europium-152	-0.694	PCI/L	U
16-021(c)	16-2761	0816-96-0095	06-Sep-96	NAv	Unfiltered	Lanthanum-140	19.3	PCI/L	U
16-021(c)	16-2761	0816-96-0095	06-Sep-96	NAv	Unfiltered	Lead-211	19.7	PCI/L	U
16-021(c)	16-2761	0816-96-0095	06-Sep-96	NAv	Unfiltered	Lead-212	-1.4	PCI/L	U
16-021(c)	16-2761	0816-96-0095	06-Sep-96	NAv	Unfiltered	Lead-214	-2.18	PCI/L	U
16-021(c)	16-2761	0816-96-0095	06-Sep-96	NAv	Unfiltered	Manganese-54	-0.843	PCI/L	U
16-021(c)	16-2761	0816-96-0095	06-Sep-96	NAv	Unfiltered	Mercury-203	1.43	PCI/L	U
16-021(c)	16-2761	0816-96-0095	06-Sep-96	NAv	Unfiltered	Neptunium-237	2.07	PCI/L	U
16-021(c)	16-2761	0816-96-0095	06-Sep-96	NAv	Unfiltered	Potassium-40	71.2	PCI/L	U
16-021(c)	16-2761	0816-96-0095	06-Sep-96	NAv	Unfiltered	Protactinium-231	-35.2	PCI/L	U
16-021(c)	16-2761	0816-96-0095	06-Sep-96	NAv	Unfiltered	Protactinium-233	0.134	PCI/L	U

Table I-3.0-10 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-021(c)	16-2761	0816-96-0095	06-Sep-96	NAv	Unfiltered	Protactinium-234M	142	PCI/L	U
16-021(c)	16-2761	0816-96-0095	06-Sep-96	NAv	Unfiltered	Radium-223	-51.7	PCI/L	U
16-021(c)	16-2761	0816-96-0095	06-Sep-96	NAv	Unfiltered	Radium-224	-122	PCI/L	U
16-021(c)	16-2761	0816-96-0095	06-Sep-96	NAv	Unfiltered	Radium-226	-5.3	PCI/L	U
16-021(c)	16-2761	0816-96-0095	06-Sep-96	NAv	Unfiltered	Radon-219	-5.47	PCI/L	U
16-021(c)	16-2761	0816-96-0095	06-Sep-96	NAv	Unfiltered	Ruthenium-106	-12.4	PCI/L	U
16-021(c)	16-2761	0816-96-0095	06-Sep-96	NAv	Unfiltered	Selenium-75	-0.63	PCI/L	U
16-021(c)	16-2761	0816-96-0095	06-Sep-96	NAv	Unfiltered	Sodium-22	0.3	PCI/L	U
16-021(c)	16-2761	0816-96-0095	06-Sep-96	NAv	Unfiltered	Strontium-85	-4.36	PCI/L	U
16-021(c)	16-2761	0816-96-0095	06-Sep-96	NAv	Unfiltered	Thallium-208	0.196	PCI/L	U
16-021(c)	16-2761	0816-96-0095	06-Sep-96	NAv	Unfiltered	Thorium-227	-28.3	PCI/L	U
16-021(c)	16-2761	0816-96-0095	06-Sep-96	NAv	Unfiltered	Thorium-234	-279	PCI/L	U
16-021(c)	16-2761	0816-96-0095	06-Sep-96	NAv	Unfiltered	Tin-113	-0.0239	PCI/L	U
16-021(c)	16-2761	0816-96-0095	06-Sep-96	NAv	Unfiltered	Uranium-235	-2.42	PCI/L	U
16-021(c)	16-2761	0816-96-0095	06-Sep-96	NAv	Unfiltered	Yttrium-88	-3.24	PCI/L	U
16-021(c)	16-2761	0816-96-0095	06-Sep-96	NAv	Unfiltered	Zinc-65	-0.216	PCI/L	U
16-021(c)	16-2762	0816-96-0096	06-Sep-96	NAv	Unfiltered	Actinium-228	12.9	PCI/L	U
16-021(c)	16-2762	0816-96-0096	06-Sep-96	NAv	Unfiltered	Americium-241	14.6	PCI/L	U
16-021(c)	16-2762	0816-96-0096	06-Sep-96	NAv	Unfiltered	Annihilation Radiation	6.46	PCI/L	U
16-021(c)	16-2762	0816-96-0096	06-Sep-96	NAv	Unfiltered	Barium-140	18	PCI/L	U
16-021(c)	16-2762	0816-96-0096	06-Sep-96	NAv	Unfiltered	Bismuth-211	19.3	PCI/L	U
16-021(c)	16-2762	0816-96-0096	06-Sep-96	NAv	Unfiltered	Bismuth-212	120	PCI/L	U
16-021(c)	16-2762	0816-96-0096	06-Sep-96	NAv	Unfiltered	Bismuth-214	4.26	PCI/L	U
16-021(c)	16-2762	0816-96-0096	06-Sep-96	NAv	Unfiltered	Cadmium-109	-6.03	PCI/L	U
16-021(c)	16-2762	0816-96-0096	06-Sep-96	NAv	Unfiltered	Cerium-139	1.36	PCI/L	U
16-021(c)	16-2762	0816-96-0096	06-Sep-96	NAv	Unfiltered	Cerium-144	8.64	PCI/L	U
16-021(c)	16-2762	0816-96-0096	06-Sep-96	NAv	Unfiltered	Cesium-134	-2.32	PCI/L	U
16-021(c)	16-2762	0816-96-0096	06-Sep-96	NAv	Unfiltered	Cesium-137	3.45	PCI/L	U
16-021(c)	16-2762	0816-96-0096	06-Sep-96	NAv	Unfiltered	Cobalt-57	0.444	PCI/L	U

Table I-3.0-10 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-021(c)	16-2762	0816-96-0096	06-Sep-96	NAv	Unfiltered	Cobalt-60	-0.67	PCI/L	U
16-021(c)	16-2762	0816-96-0096	06-Sep-96	NAv	Unfiltered	Europium-152	2.4	PCI/L	U
16-021(c)	16-2762	0816-96-0096	06-Sep-96	NAv	Unfiltered	Lanthanum-140	-144	PCI/L	U
16-021(c)	16-2762	0816-96-0096	06-Sep-96	NAv	Unfiltered	Lead-211	46.6	PCI/L	U
16-021(c)	16-2762	0816-96-0096	06-Sep-96	NAv	Unfiltered	Lead-212	1.23	PCI/L	U
16-021(c)	16-2762	0816-96-0096	06-Sep-96	NAv	Unfiltered	Lead-214	-2.3	PCI/L	U
16-021(c)	16-2762	0816-96-0096	06-Sep-96	NAv	Unfiltered	Manganese-54	1.42	PCI/L	U
16-021(c)	16-2762	0816-96-0096	06-Sep-96	NAv	Unfiltered	Mercury-203	-0.406	PCI/L	U
16-021(c)	16-2762	0816-96-0096	06-Sep-96	NAv	Unfiltered	Neptunium-237	-6.34	PCI/L	U
16-021(c)	16-2762	0816-96-0096	06-Sep-96	NAv	Unfiltered	Potassium-40	-24.6	PCI/L	U
16-021(c)	16-2762	0816-96-0096	06-Sep-96	NAv	Unfiltered	Protactinium-231	-46.1	PCI/L	U
16-021(c)	16-2762	0816-96-0096	06-Sep-96	NAv	Unfiltered	Protactinium-233	1.2	PCI/L	U
16-021(c)	16-2762	0816-96-0096	06-Sep-96	NAv	Unfiltered	Protactinium-234M	109	PCI/L	U
16-021(c)	16-2762	0816-96-0096	06-Sep-96	NAv	Unfiltered	Radium-223	-40.7	PCI/L	U
16-021(c)	16-2762	0816-96-0096	06-Sep-96	NAv	Unfiltered	Radium-224	-67.4	PCI/L	U
16-021(c)	16-2762	0816-96-0096	06-Sep-96	NAv	Unfiltered	Radium-226	35.5	PCI/L	U
16-021(c)	16-2762	0816-96-0096	06-Sep-96	NAv	Unfiltered	Radon-219	26.5	PCI/L	U
16-021(c)	16-2762	0816-96-0096	06-Sep-96	NAv	Unfiltered	Ruthenium-106	7.19	PCI/L	U
16-021(c)	16-2762	0816-96-0096	06-Sep-96	NAv	Unfiltered	Selenium-75	0.263	PCI/L	U
16-021(c)	16-2762	0816-96-0096	06-Sep-96	NAv	Unfiltered	Sodium-22	2.62	PCI/L	U
16-021(c)	16-2762	0816-96-0096	06-Sep-96	NAv	Unfiltered	Strontium-85	-11	PCI/L	U
16-021(c)	16-2762	0816-96-0096	06-Sep-96	NAv	Unfiltered	Thallium-208	-0.0823	PCI/L	U
16-021(c)	16-2762	0816-96-0096	06-Sep-96	NAv	Unfiltered	Thorium-227	-9.77	PCI/L	U
16-021(c)	16-2762	0816-96-0096	06-Sep-96	NAv	Unfiltered	Thorium-234	-133	PCI/L	U
16-021(c)	16-2762	0816-96-0096	06-Sep-96	NAv	Unfiltered	Tin-113	2.43	PCI/L	U
16-021(c)	16-2762	0816-96-0096	06-Sep-96	NAv	Unfiltered	Uranium-235	0.592	PCI/L	U
16-021(c)	16-2762	0816-96-0096	06-Sep-96	NAv	Unfiltered	Yttrium-88	-2.87	PCI/L	U
16-021(c)	16-2762	0816-96-0096	06-Sep-96	NAv	Unfiltered	Zinc-65	-4.26	PCI/L	U
16-021(c)	16-2763	0816-96-0097	06-Sep-96	NAv	Unfiltered	Actinium-228	-9.05	PCI/L	U

Table I-3.0-10 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-021(c)	16-2763	0816-96-0097	06-Sep-96	NAv	Unfiltered	Americium-241	-4.34	PCI/L	U
16-021(c)	16-2763	0816-96-0097	06-Sep-96	NAv	Unfiltered	Annihilation Radiation	7.62	PCI/L	U
16-021(c)	16-2763	0816-96-0097	06-Sep-96	NAv	Unfiltered	Barium-140	-9.44	PCI/L	U
16-021(c)	16-2763	0816-96-0097	06-Sep-96	NAv	Unfiltered	Bismuth-211	13.5	PCI/L	U
16-021(c)	16-2763	0816-96-0097	06-Sep-96	NAv	Unfiltered	Bismuth-212	284	PCI/L	U
16-021(c)	16-2763	0816-96-0097	06-Sep-96	NAv	Unfiltered	Bismuth-214	3.01	PCI/L	U
16-021(c)	16-2763	0816-96-0097	06-Sep-96	NAv	Unfiltered	Cadmium-109	-19.1	PCI/L	U
16-021(c)	16-2763	0816-96-0097	06-Sep-96	NAv	Unfiltered	Cerium-139	0.345	PCI/L	U
16-021(c)	16-2763	0816-96-0097	06-Sep-96	NAv	Unfiltered	Cerium-144	-12.8	PCI/L	U
16-021(c)	16-2763	0816-96-0097	06-Sep-96	NAv	Unfiltered	Cesium-134	-5.61	PCI/L	U
16-021(c)	16-2763	0816-96-0097	06-Sep-96	NAv	Unfiltered	Cesium-137	3.51	PCI/L	U
16-021(c)	16-2763	0816-96-0097	06-Sep-96	NAv	Unfiltered	Cobalt-57	0.672	PCI/L	U
16-021(c)	16-2763	0816-96-0097	06-Sep-96	NAv	Unfiltered	Cobalt-60	0.578	PCI/L	U
16-021(c)	16-2763	0816-96-0097	06-Sep-96	NAv	Unfiltered	Europium-152	5.38	PCI/L	U
16-021(c)	16-2763	0816-96-0097	06-Sep-96	NAv	Unfiltered	Lanthanum-140	331	PCI/L	U
16-021(c)	16-2763	0816-96-0097	06-Sep-96	NAv	Unfiltered	Lead-211	34.2	PCI/L	U
16-021(c)	16-2763	0816-96-0097	06-Sep-96	NAv	Unfiltered	Lead-212	-7.12	PCI/L	U
16-021(c)	16-2763	0816-96-0097	06-Sep-96	NAv	Unfiltered	Lead-214	-2.81	PCI/L	U
16-021(c)	16-2763	0816-96-0097	06-Sep-96	NAv	Unfiltered	Manganese-54	-0.901	PCI/L	U
16-021(c)	16-2763	0816-96-0097	06-Sep-96	NAv	Unfiltered	Mercury-203	-0.192	PCI/L	U
16-021(c)	16-2763	0816-96-0097	06-Sep-96	NAv	Unfiltered	Neptunium-237	-2.86	PCI/L	U
16-021(c)	16-2763	0816-96-0097	06-Sep-96	NAv	Unfiltered	Potassium-40	-81.5	PCI/L	U
16-021(c)	16-2763	0816-96-0097	06-Sep-96	NAv	Unfiltered	Protactinium-231	41.1	PCI/L	U
16-021(c)	16-2763	0816-96-0097	06-Sep-96	NAv	Unfiltered	Protactinium-233	4.59	PCI/L	U
16-021(c)	16-2763	0816-96-0097	06-Sep-96	NAv	Unfiltered	Protactinium-234M	299	PCI/L	U
16-021(c)	16-2763	0816-96-0097	06-Sep-96	NAv	Unfiltered	Radium-223	-5.28	PCI/L	U
16-021(c)	16-2763	0816-96-0097	06-Sep-96	NAv	Unfiltered	Radium-224	-63.6	PCI/L	U
16-021(c)	16-2763	0816-96-0097	06-Sep-96	NAv	Unfiltered	Radium-226	-53.2	PCI/L	U
16-021(c)	16-2763	0816-96-0097	06-Sep-96	NAv	Unfiltered	Radon-219	-15.1	PCI/L	U

Table I-3.0-10 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-021(c)	16-2763	0816-96-0097	06-Sep-96	NAv	Unfiltered	Ruthenium-106	-7.61	PCI/L	U
16-021(c)	16-2763	0816-96-0097	06-Sep-96	NAv	Unfiltered	Selenium-75	-2.18	PCI/L	U
16-021(c)	16-2763	0816-96-0097	06-Sep-96	NAv	Unfiltered	Sodium-22	1.31	PCI/L	U
16-021(c)	16-2763	0816-96-0097	06-Sep-96	NAv	Unfiltered	Strontium-85	0.742	PCI/L	U
16-021(c)	16-2763	0816-96-0097	06-Sep-96	NAv	Unfiltered	Thallium-208	-1.3	PCI/L	U
16-021(c)	16-2763	0816-96-0097	06-Sep-96	NAv	Unfiltered	Thorium-227	6.85	PCI/L	U
16-021(c)	16-2763	0816-96-0097	06-Sep-96	NAv	Unfiltered	Thorium-234	-77.4	PCI/L	U
16-021(c)	16-2763	0816-96-0097	06-Sep-96	NAv	Unfiltered	Tin-113	-2.78	PCI/L	U
16-021(c)	16-2763	0816-96-0097	06-Sep-96	NAv	Unfiltered	Uranium-235	-4.76	PCI/L	U
16-021(c)	16-2763	0816-96-0097	06-Sep-96	NAv	Unfiltered	Yttrium-88	-1.08	PCI/L	U
16-021(c)	16-2763	0816-96-0097	06-Sep-96	NAv	Unfiltered	Zinc-65	2.51	PCI/L	U
16-021(c)	16-2764	0816-96-0098	06-Sep-96	NAv	Unfiltered	Actinium-228	3.45	PCI/L	U
16-021(c)	16-2764	0816-96-0098	06-Sep-96	NAv	Unfiltered	Americium-241	7.06	PCI/L	U
16-021(c)	16-2764	0816-96-0098	06-Sep-96	NAv	Unfiltered	Annihilation Radiation	-23.4	PCI/L	U
16-021(c)	16-2764	0816-96-0098	06-Sep-96	NAv	Unfiltered	Barium-140	-8.53	PCI/L	U
16-021(c)	16-2764	0816-96-0098	06-Sep-96	NAv	Unfiltered	Bismuth-211	-26.5	PCI/L	U
16-021(c)	16-2764	0816-96-0098	06-Sep-96	NAv	Unfiltered	Bismuth-212	-123	PCI/L	U
16-021(c)	16-2764	0816-96-0098	06-Sep-96	NAv	Unfiltered	Bismuth-214	2.68	PCI/L	U
16-021(c)	16-2764	0816-96-0098	06-Sep-96	NAv	Unfiltered	Cadmium-109	-1.03	PCI/L	U
16-021(c)	16-2764	0816-96-0098	06-Sep-96	NAv	Unfiltered	Cerium-139	-0.529	PCI/L	U
16-021(c)	16-2764	0816-96-0098	06-Sep-96	NAv	Unfiltered	Cerium-144	-8.81	PCI/L	U
16-021(c)	16-2764	0816-96-0098	06-Sep-96	NAv	Unfiltered	Cesium-134	0.465	PCI/L	U
16-021(c)	16-2764	0816-96-0098	06-Sep-96	NAv	Unfiltered	Cesium-137	-3.69	PCI/L	U
16-021(c)	16-2764	0816-96-0098	06-Sep-96	NAv	Unfiltered	Cobalt-57	2.1	PCI/L	U
16-021(c)	16-2764	0816-96-0098	06-Sep-96	NAv	Unfiltered	Cobalt-60	-1.69	PCI/L	U
16-021(c)	16-2764	0816-96-0098	06-Sep-96	NAv	Unfiltered	Europium-152	3.93	PCI/L	U
16-021(c)	16-2764	0816-96-0098	06-Sep-96	NAv	Unfiltered	Lanthanum-140	-583	PCI/L	U
16-021(c)	16-2764	0816-96-0098	06-Sep-96	NAv	Unfiltered	Lead-211	1.83	PCI/L	U
16-021(c)	16-2764	0816-96-0098	06-Sep-96	NAv	Unfiltered	Lead-212	2.07	PCI/L	U

Table I-3.0-10 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-021(c)	16-2764	0816-96-0098	06-Sep-96	NAv	Unfiltered	Lead-214	-7.56	PCI/L	U
16-021(c)	16-2764	0816-96-0098	06-Sep-96	NAv	Unfiltered	Manganese-54	1.9	PCI/L	U
16-021(c)	16-2764	0816-96-0098	06-Sep-96	NAv	Unfiltered	Mercury-203	1.32	PCI/L	U
16-021(c)	16-2764	0816-96-0098	06-Sep-96	NAv	Unfiltered	Neptunium-237	-0.925	PCI/L	U
16-021(c)	16-2764	0816-96-0098	06-Sep-96	NAv	Unfiltered	Potassium-40	-38	PCI/L	U
16-021(c)	16-2764	0816-96-0098	06-Sep-96	NAv	Unfiltered	Protactinium-231	71.8	PCI/L	U
16-021(c)	16-2764	0816-96-0098	06-Sep-96	NAv	Unfiltered	Protactinium-233	-0.565	PCI/L	U
16-021(c)	16-2764	0816-96-0098	06-Sep-96	NAv	Unfiltered	Protactinium-234M	137	PCI/L	U
16-021(c)	16-2764	0816-96-0098	06-Sep-96	NAv	Unfiltered	Radium-223	-4.64	PCI/L	U
16-021(c)	16-2764	0816-96-0098	06-Sep-96	NAv	Unfiltered	Radium-224	-47.2	PCI/L	U
16-021(c)	16-2764	0816-96-0098	06-Sep-96	NAv	Unfiltered	Radium-226	-4.6	PCI/L	U
16-021(c)	16-2764	0816-96-0098	06-Sep-96	NAv	Unfiltered	Radon-219	2.47	PCI/L	U
16-021(c)	16-2764	0816-96-0098	06-Sep-96	NAv	Unfiltered	Ruthenium-106	-20.4	PCI/L	U
16-021(c)	16-2764	0816-96-0098	06-Sep-96	NAv	Unfiltered	Selenium-75	2.29	PCI/L	U
16-021(c)	16-2764	0816-96-0098	06-Sep-96	NAv	Unfiltered	Sodium-22	-0.864	PCI/L	U
16-021(c)	16-2764	0816-96-0098	06-Sep-96	NAv	Unfiltered	Strontium-85	-11.5	PCI/L	U
16-021(c)	16-2764	0816-96-0098	06-Sep-96	NAv	Unfiltered	Thallium-208	3.15	PCI/L	U
16-021(c)	16-2764	0816-96-0098	06-Sep-96	NAv	Unfiltered	Thorium-227	3.68	PCI/L	U
16-021(c)	16-2764	0816-96-0098	06-Sep-96	NAv	Unfiltered	Thorium-234	-246	PCI/L	U
16-021(c)	16-2764	0816-96-0098	06-Sep-96	NAv	Unfiltered	Tin-113	0.602	PCI/L	U
16-021(c)	16-2764	0816-96-0098	06-Sep-96	NAv	Unfiltered	Uranium-235	-3.35	PCI/L	U
16-021(c)	16-2764	0816-96-0098	06-Sep-96	NAv	Unfiltered	Yttrium-88	0	PCI/L	U
16-021(c)	16-2764	0816-96-0098	06-Sep-96	NAv	Unfiltered	Zinc-65	2.28	PCI/L	U
16-021(c)	16-2765	0816-96-0099	06-Sep-96	NAv	Unfiltered	Actinium-228	3.31	PCI/L	U
16-021(c)	16-2765	0816-96-0099	06-Sep-96	NAv	Unfiltered	Americium-241	2.67	PCI/L	U
16-021(c)	16-2765	0816-96-0099	06-Sep-96	NAv	Unfiltered	Annihilation Radiation	-26.8	PCI/L	U
16-021(c)	16-2765	0816-96-0099	06-Sep-96	NAv	Unfiltered	Barium-140	1.8	PCI/L	U
16-021(c)	16-2765	0816-96-0099	06-Sep-96	NAv	Unfiltered	Bismuth-211	1.21	PCI/L	U
16-021(c)	16-2765	0816-96-0099	06-Sep-96	NAv	Unfiltered	Bismuth-212	145	PCI/L	U

Table I-3.0-10 (continued)									
PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-021(c)	16-2765	0816-96-0099	06-Sep-96	NAv	Unfiltered	Bismuth-214	-5.94	PCI/L	U
16-021(c)	16-2765	0816-96-0099	06-Sep-96	NAv	Unfiltered	Cadmium-109	35.3	PCI/L	U
16-021(c)	16-2765	0816-96-0099	06-Sep-96	NAv	Unfiltered	Cerium-139	-0.92	PCI/L	U
16-021(c)	16-2765	0816-96-0099	06-Sep-96	NAv	Unfiltered	Cerium-144	4.11	PCI/L	U
16-021(c)	16-2765	0816-96-0099	06-Sep-96	NAv	Unfiltered	Cesium-134	-2.26	PCI/L	U
16-021(c)	16-2765	0816-96-0099	06-Sep-96	NAv	Unfiltered	Cesium-137	-1.18	PCI/L	U
16-021(c)	16-2765	0816-96-0099	06-Sep-96	NAv	Unfiltered	Cobalt-57	-0.496	PCI/L	U
16-021(c)	16-2765	0816-96-0099	06-Sep-96	NAv	Unfiltered	Cobalt-60	-3.26	PCI/L	U
16-021(c)	16-2765	0816-96-0099	06-Sep-96	NAv	Unfiltered	Europium-152	-2.75	PCI/L	U
16-021(c)	16-2765	0816-96-0099	06-Sep-96	NAv	Unfiltered	Lanthanum-140	-1050	PCI/L	U
16-021(c)	16-2765	0816-96-0099	06-Sep-96	NAv	Unfiltered	Lead-211	76.8	PCI/L	U
16-021(c)	16-2765	0816-96-0099	06-Sep-96	NAv	Unfiltered	Lead-212	-1.12	PCI/L	U
16-021(c)	16-2765	0816-96-0099	06-Sep-96	NAv	Unfiltered	Lead-214	1.45	PCI/L	U
16-021(c)	16-2765	0816-96-0099	06-Sep-96	NAv	Unfiltered	Manganese-54	-1.66	PCI/L	U
16-021(c)	16-2765	0816-96-0099	06-Sep-96	NAv	Unfiltered	Mercury-203	-0.59	PCI/L	U
16-021(c)	16-2765	0816-96-0099	06-Sep-96	NAv	Unfiltered	Neptunium-237	-33.7	PCI/L	U
16-021(c)	16-2765	0816-96-0099	06-Sep-96	NAv	Unfiltered	Potassium-40	-56.2	PCI/L	U
16-021(c)	16-2765	0816-96-0099	06-Sep-96	NAv	Unfiltered	Protactinium-231	72.3	PCI/L	U
16-021(c)	16-2765	0816-96-0099	06-Sep-96	NAv	Unfiltered	Protactinium-233	-0.423	PCI/L	U
16-021(c)	16-2765	0816-96-0099	06-Sep-96	NAv	Unfiltered	Protactinium-234M	0	PCI/L	U
16-021(c)	16-2765	0816-96-0099	06-Sep-96	NAv	Unfiltered	Radium-223	-32	PCI/L	U
16-021(c)	16-2765	0816-96-0099	06-Sep-96	NAv	Unfiltered	Radium-224	-95.6	PCI/L	U
16-021(c)	16-2765	0816-96-0099	06-Sep-96	NAv	Unfiltered	Radium-226	-54.2	PCI/L	U
16-021(c)	16-2765	0816-96-0099	06-Sep-96	NAv	Unfiltered	Radon-219	-1.53	PCI/L	U
16-021(c)	16-2765	0816-96-0099	06-Sep-96	NAv	Unfiltered	Ruthenium-106	12.2	PCI/L	U
16-021(c)	16-2765	0816-96-0099	06-Sep-96	NAv	Unfiltered	Selenium-75	-0.13	PCI/L	U
16-021(c)	16-2765	0816-96-0099	06-Sep-96	NAv	Unfiltered	Sodium-22	-0.573	PCI/L	U
16-021(c)	16-2765	0816-96-0099	06-Sep-96	NAv	Unfiltered	Strontium-85	-6.98	PCI/L	U
16-021(c)	16-2765	0816-96-0099	06-Sep-96	NAv	Unfiltered	Thallium-208	-2.24	PCI/L	U

Table I-3.0-10 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-021(c)	16-2765	0816-96-0099	06-Sep-96	NAv	Unfiltered	Thorium-227	4.31	PCI/L	U
16-021(c)	16-2765	0816-96-0099	06-Sep-96	NAv	Unfiltered	Thorium-234	-78.7	PCI/L	U
16-021(c)	16-2765	0816-96-0099	06-Sep-96	NAv	Unfiltered	Tin-113	3.22	PCI/L	U
16-021(c)	16-2765	0816-96-0099	06-Sep-96	NAv	Unfiltered	Uranium-235	-4.7	PCI/L	U
16-021(c)	16-2765	0816-96-0099	06-Sep-96	NAv	Unfiltered	Yttrium-88	-4.99	PCI/L	U
16-021(c)	16-2765	0816-96-0099	06-Sep-96	NAv	Unfiltered	Zinc-65	-0.348	PCI/L	U
16-021(c)	16-2766	0816-96-0100	06-Sep-96	NAv	Unfiltered	Actinium-228	-6.38	PCI/L	U
16-021(c)	16-2766	0816-96-0100	06-Sep-96	NAv	Unfiltered	Americium-241	-15.5	PCI/L	U
16-021(c)	16-2766	0816-96-0100	06-Sep-96	NAv	Unfiltered	Annihilation Radiation	6.52	PCI/L	U
16-021(c)	16-2766	0816-96-0100	06-Sep-96	NAv	Unfiltered	Barium-140	-7.15	PCI/L	U
16-021(c)	16-2766	0816-96-0100	06-Sep-96	NAv	Unfiltered	Bismuth-211	0	PCI/L	U
16-021(c)	16-2766	0816-96-0100	06-Sep-96	NAv	Unfiltered	Bismuth-212	73.8	PCI/L	U
16-021(c)	16-2766	0816-96-0100	06-Sep-96	NAv	Unfiltered	Bismuth-214	-3.99	PCI/L	U
16-021(c)	16-2766	0816-96-0100	06-Sep-96	NAv	Unfiltered	Cadmium-109	-16	PCI/L	U
16-021(c)	16-2766	0816-96-0100	06-Sep-96	NAv	Unfiltered	Cerium-139	0	PCI/L	U
16-021(c)	16-2766	0816-96-0100	06-Sep-96	NAv	Unfiltered	Cerium-144	1.23	PCI/L	U
16-021(c)	16-2766	0816-96-0100	06-Sep-96	NAv	Unfiltered	Cesium-134	0	PCI/L	U
16-021(c)	16-2766	0816-96-0100	06-Sep-96	NAv	Unfiltered	Cesium-137	0.134	PCI/L	U
16-021(c)	16-2766	0816-96-0100	06-Sep-96	NAv	Unfiltered	Cobalt-57	-0.0634	PCI/L	U
16-021(c)	16-2766	0816-96-0100	06-Sep-96	NAv	Unfiltered	Cobalt-60	2.96	PCI/L	U
16-021(c)	16-2766	0816-96-0100	06-Sep-96	NAv	Unfiltered	Europium-152	-4.59	PCI/L	U
16-021(c)	16-2766	0816-96-0100	06-Sep-96	NAv	Unfiltered	Lanthanum-140	-1130	PCI/L	U
16-021(c)	16-2766	0816-96-0100	06-Sep-96	NAv	Unfiltered	Lead-211	-53.9	PCI/L	U
16-021(c)	16-2766	0816-96-0100	06-Sep-96	NAv	Unfiltered	Lead-212	-1.75	PCI/L	U
16-021(c)	16-2766	0816-96-0100	06-Sep-96	NAv	Unfiltered	Lead-214	-12.3	PCI/L	U
16-021(c)	16-2766	0816-96-0100	06-Sep-96	NAv	Unfiltered	Manganese-54	3.11	PCI/L	U
16-021(c)	16-2766	0816-96-0100	06-Sep-96	NAv	Unfiltered	Mercury-203	1.22	PCI/L	U
16-021(c)	16-2766	0816-96-0100	06-Sep-96	NAv	Unfiltered	Neptunium-237	-2.69	PCI/L	U
16-021(c)	16-2766	0816-96-0100	06-Sep-96	NAv	Unfiltered	Potassium-40	-61.8	PCI/L	U

Table I-3.0-10 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-021(c)	16-2766	0816-96-0100	06-Sep-96	NAv	Unfiltered	Protactinium-231	-8.78	PCI/L	U
16-021(c)	16-2766	0816-96-0100	06-Sep-96	NAv	Unfiltered	Protactinium-233	1.29	PCI/L	U
16-021(c)	16-2766	0816-96-0100	06-Sep-96	NAv	Unfiltered	Protactinium-234M	-162	PCI/L	U
16-021(c)	16-2766	0816-96-0100	06-Sep-96	NAv	Unfiltered	Radium-223	5.52	PCI/L	U
16-021(c)	16-2766	0816-96-0100	06-Sep-96	NAv	Unfiltered	Radium-224	-91	PCI/L	U
16-021(c)	16-2766	0816-96-0100	06-Sep-96	NAv	Unfiltered	Radium-226	5.27	PCI/L	U
16-021(c)	16-2766	0816-96-0100	06-Sep-96	NAv	Unfiltered	Radon-219	27.4	PCI/L	U
16-021(c)	16-2766	0816-96-0100	06-Sep-96	NAv	Unfiltered	Ruthenium-106	15.1	PCI/L	U
16-021(c)	16-2766	0816-96-0100	06-Sep-96	NAv	Unfiltered	Selenium-75	-1.06	PCI/L	U
16-021(c)	16-2766	0816-96-0100	06-Sep-96	NAv	Unfiltered	Sodium-22	-1.82	PCI/L	U
16-021(c)	16-2766	0816-96-0100	06-Sep-96	NAv	Unfiltered	Strontium-85	-9.66	PCI/L	U
16-021(c)	16-2766	0816-96-0100	06-Sep-96	NAv	Unfiltered	Thallium-208	-2.36	PCI/L	U
16-021(c)	16-2766	0816-96-0100	06-Sep-96	NAv	Unfiltered	Thorium-227	-20.2	PCI/L	U
16-021(c)	16-2766	0816-96-0100	06-Sep-96	NAv	Unfiltered	Thorium-234	-96.3	PCI/L	U
16-021(c)	16-2766	0816-96-0100	06-Sep-96	NAv	Unfiltered	Tin-113	1.13	PCI/L	U
16-021(c)	16-2766	0816-96-0100	06-Sep-96	NAv	Unfiltered	Uranium-235	-5.49	PCI/L	U
16-021(c)	16-2766	0816-96-0100	06-Sep-96	NAv	Unfiltered	Yttrium-88	-6.09	PCI/L	U
16-021(c)	16-2766	0816-96-0100	06-Sep-96	NAv	Unfiltered	Zinc-65	-2.37	PCI/L	U
16-021(c)	16-2767	0816-96-0101	06-Sep-96	NAv	Unfiltered	Actinium-228	-18.9	PCI/L	U
16-021(c)	16-2767	0816-96-0101	06-Sep-96	NAv	Unfiltered	Americium-241	-0.769	PCI/L	U
16-021(c)	16-2767	0816-96-0101	06-Sep-96	NAv	Unfiltered	Annihilation Radiation	-20.4	PCI/L	U
16-021(c)	16-2767	0816-96-0101	06-Sep-96	NAv	Unfiltered	Barium-140	11.7	PCI/L	U
16-021(c)	16-2767	0816-96-0101	06-Sep-96	NAv	Unfiltered	Bismuth-211	17.4	PCI/L	U
16-021(c)	16-2767	0816-96-0101	06-Sep-96	NAv	Unfiltered	Bismuth-212	-15.8	PCI/L	U
16-021(c)	16-2767	0816-96-0101	06-Sep-96	NAv	Unfiltered	Bismuth-214	-5.98	PCI/L	U
16-021(c)	16-2767	0816-96-0101	06-Sep-96	NAv	Unfiltered	Cadmium-109	3.04	PCI/L	U
16-021(c)	16-2767	0816-96-0101	06-Sep-96	NAv	Unfiltered	Cerium-139	2.05	PCI/L	U
16-021(c)	16-2767	0816-96-0101	06-Sep-96	NAv	Unfiltered	Cerium-144	11.7	PCI/L	U
16-021(c)	16-2767	0816-96-0101	06-Sep-96	NAv	Unfiltered	Cesium-134	2.07	PCI/L	U

Table I-3.0-10 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-021(c)	16-2767	0816-96-0101	06-Sep-96	NAv	Unfiltered	Cesium-137	3.34	PCI/L	U
16-021(c)	16-2767	0816-96-0101	06-Sep-96	NAv	Unfiltered	Cobalt-57	-0.719	PCI/L	U
16-021(c)	16-2767	0816-96-0101	06-Sep-96	NAv	Unfiltered	Cobalt-60	3.31	PCI/L	U
16-021(c)	16-2767	0816-96-0101	06-Sep-96	NAv	Unfiltered	Europium-152	10.2	PCI/L	U
16-021(c)	16-2767	0816-96-0101	06-Sep-96	NAv	Unfiltered	Lanthanum-140	780	PCI/L	U
16-021(c)	16-2767	0816-96-0101	06-Sep-96	NAv	Unfiltered	Lead-211	34.6	PCI/L	U
16-021(c)	16-2767	0816-96-0101	06-Sep-96	NAv	Unfiltered	Lead-212	5.54	PCI/L	U
16-021(c)	16-2767	0816-96-0101	06-Sep-96	NAv	Unfiltered	Lead-214	0.38	PCI/L	U
16-021(c)	16-2767	0816-96-0101	06-Sep-96	NAv	Unfiltered	Manganese-54	2.07	PCI/L	U
16-021(c)	16-2767	0816-96-0101	06-Sep-96	NAv	Unfiltered	Mercury-203	0.5	PCI/L	U
16-021(c)	16-2767	0816-96-0101	06-Sep-96	NAv	Unfiltered	Neptunium-237	9.06	PCI/L	U
16-021(c)	16-2767	0816-96-0101	06-Sep-96	NAv	Unfiltered	Potassium-40	-42.6	PCI/L	U
16-021(c)	16-2767	0816-96-0101	06-Sep-96	NAv	Unfiltered	Protactinium-231	101	PCI/L	U
16-021(c)	16-2767	0816-96-0101	06-Sep-96	NAv	Unfiltered	Protactinium-233	1.11	PCI/L	U
16-021(c)	16-2767	0816-96-0101	06-Sep-96	NAv	Unfiltered	Protactinium-234M	1270	PCI/L	U
16-021(c)	16-2767	0816-96-0101	06-Sep-96	NAv	Unfiltered	Radium-223	-10.2	PCI/L	U
16-021(c)	16-2767	0816-96-0101	06-Sep-96	NAv	Unfiltered	Radium-224	-0.889	PCI/L	U
16-021(c)	16-2767	0816-96-0101	06-Sep-96	NAv	Unfiltered	Radium-226	5.4	PCI/L	U
16-021(c)	16-2767	0816-96-0101	06-Sep-96	NAv	Unfiltered	Radon-219	-10.5	PCI/L	U
16-021(c)	16-2767	0816-96-0101	06-Sep-96	NAv	Unfiltered	Ruthenium-106	33.4	PCI/L	U
16-021(c)	16-2767	0816-96-0101	06-Sep-96	NAv	Unfiltered	Selenium-75	4.3	PCI/L	U
16-021(c)	16-2767	0816-96-0101	06-Sep-96	NAv	Unfiltered	Sodium-22	-1.64	PCI/L	U
16-021(c)	16-2767	0816-96-0101	06-Sep-96	NAv	Unfiltered	Strontium-85	-5.94	PCI/L	U
16-021(c)	16-2767	0816-96-0101	06-Sep-96	NAv	Unfiltered	Thallium-208	-2.71	PCI/L	U
16-021(c)	16-2767	0816-96-0101	06-Sep-96	NAv	Unfiltered	Thorium-227	1.5	PCI/L	U
16-021(c)	16-2767	0816-96-0101	06-Sep-96	NAv	Unfiltered	Thorium-234	-136	PCI/L	U
16-021(c)	16-2767	0816-96-0101	06-Sep-96	NAv	Unfiltered	Tin-113	3.19	PCI/L	U
16-021(c)	16-2767	0816-96-0101	06-Sep-96	NAv	Unfiltered	Uranium-235	-4.1	PCI/L	U
16-021(c)	16-2767	0816-96-0101	06-Sep-96	NAv	Unfiltered	Yttrium-88	3.21	PCI/L	U

Table I-3.0-10 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-021(c)	16-2767	0816-96-0101	06-Sep-96	NAv	Unfiltered	Zinc-65	1.87	PCI/L	U
16-021(c)	16-2768	0816-96-0102	06-Sep-96	NAv	Unfiltered	Actinium-228	4.66	PCI/L	U
16-021(c)	16-2768	0816-96-0102	06-Sep-96	NAv	Unfiltered	Americium-241	-1.74	PCI/L	U
16-021(c)	16-2768	0816-96-0102	06-Sep-96	NAv	Unfiltered	Annihilation Radiation	-25	PCI/L	U
16-021(c)	16-2768	0816-96-0102	06-Sep-96	NAv	Unfiltered	Barium-140	8.21	PCI/L	U
16-021(c)	16-2768	0816-96-0102	06-Sep-96	NAv	Unfiltered	Bismuth-211	0.373	PCI/L	U
16-021(c)	16-2768	0816-96-0102	06-Sep-96	NAv	Unfiltered	Bismuth-212	-77.4	PCI/L	U
16-021(c)	16-2768	0816-96-0102	06-Sep-96	NAv	Unfiltered	Bismuth-214	4.23	PCI/L	U
16-021(c)	16-2768	0816-96-0102	06-Sep-96	NAv	Unfiltered	Cadmium-109	4.58	PCI/L	U
16-021(c)	16-2768	0816-96-0102	06-Sep-96	NAv	Unfiltered	Cerium-139	1.09	PCI/L	U
16-021(c)	16-2768	0816-96-0102	06-Sep-96	NAv	Unfiltered	Cerium-144	14	PCI/L	U
16-021(c)	16-2768	0816-96-0102	06-Sep-96	NAv	Unfiltered	Cesium-134	3.21	PCI/L	U
16-021(c)	16-2768	0816-96-0102	06-Sep-96	NAv	Unfiltered	Cesium-137	3.04	PCI/L	U
16-021(c)	16-2768	0816-96-0102	06-Sep-96	NAv	Unfiltered	Cobalt-57	-0.427	PCI/L	U
16-021(c)	16-2768	0816-96-0102	06-Sep-96	NAv	Unfiltered	Cobalt-60	-6.8	PCI/L	U
16-021(c)	16-2768	0816-96-0102	06-Sep-96	NAv	Unfiltered	Europium-152	6.63	PCI/L	U
16-021(c)	16-2768	0816-96-0102	06-Sep-96	NAv	Unfiltered	Lanthanum-140	-720	PCI/L	U
16-021(c)	16-2768	0816-96-0102	06-Sep-96	NAv	Unfiltered	Lead-211	33.6	PCI/L	U
16-021(c)	16-2768	0816-96-0102	06-Sep-96	NAv	Unfiltered	Lead-212	0.549	PCI/L	U
16-021(c)	16-2768	0816-96-0102	06-Sep-96	NAv	Unfiltered	Lead-214	-2.47	PCI/L	U
16-021(c)	16-2768	0816-96-0102	06-Sep-96	NAv	Unfiltered	Manganese-54	1.33	PCI/L	U
16-021(c)	16-2768	0816-96-0102	06-Sep-96	NAv	Unfiltered	Mercury-203	1.58	PCI/L	U
16-021(c)	16-2768	0816-96-0102	06-Sep-96	NAv	Unfiltered	Neptunium-237	-2.92	PCI/L	U
16-021(c)	16-2768	0816-96-0102	06-Sep-96	NAv	Unfiltered	Potassium-40	-0.88	PCI/L	U
16-021(c)	16-2768	0816-96-0102	06-Sep-96	NAv	Unfiltered	Protactinium-231	29.3	PCI/L	U
16-021(c)	16-2768	0816-96-0102	06-Sep-96	NAv	Unfiltered	Protactinium-233	4.4	PCI/L	U
16-021(c)	16-2768	0816-96-0102	06-Sep-96	NAv	Unfiltered	Protactinium-234M	585	PCI/L	U
16-021(c)	16-2768	0816-96-0102	06-Sep-96	NAv	Unfiltered	Radium-223	-40.6	PCI/L	U
16-021(c)	16-2768	0816-96-0102	06-Sep-96	NAv	Unfiltered	Radium-224	-24.3	PCI/L	U

Table I-3.0-10 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-021(c)	16-2768	0816-96-0102	06-Sep-96	NAv	Unfiltered	Radium-226	106	PCI/L	U
16-021(c)	16-2768	0816-96-0102	06-Sep-96	NAv	Unfiltered	Radon-219	-27.2	PCI/L	U
16-021(c)	16-2768	0816-96-0102	06-Sep-96	NAv	Unfiltered	Ruthenium-106	19.9	PCI/L	U
16-021(c)	16-2768	0816-96-0102	06-Sep-96	NAv	Unfiltered	Selenium-75	4.96	PCI/L	U
16-021(c)	16-2768	0816-96-0102	06-Sep-96	NAv	Unfiltered	Sodium-22	5.39	PCI/L	U
16-021(c)	16-2768	0816-96-0102	06-Sep-96	NAv	Unfiltered	Strontium-85	-4.06	PCI/L	U
16-021(c)	16-2768	0816-96-0102	06-Sep-96	NAv	Unfiltered	Thallium-208	3.66	PCI/L	U
16-021(c)	16-2768	0816-96-0102	06-Sep-96	NAv	Unfiltered	Thorium-227	-6.94	PCI/L	U
16-021(c)	16-2768	0816-96-0102	06-Sep-96	NAv	Unfiltered	Thorium-234	-107	PCI/L	U
16-021(c)	16-2768	0816-96-0102	06-Sep-96	NAv	Unfiltered	Tin-113	-2.06	PCI/L	U
16-021(c)	16-2768	0816-96-0102	06-Sep-96	NAv	Unfiltered	Uranium-235	0.702	PCI/L	U
16-021(c)	16-2768	0816-96-0102	06-Sep-96	NAv	Unfiltered	Yttrium-88	3.65	PCI/L	U
16-021(c)	16-2768	0816-96-0102	06-Sep-96	NAv	Unfiltered	Zinc-65	10	PCI/L	U
16-021(c)	16-2768	0816-96-0103	06-Sep-96	NAv	Unfiltered	Actinium-228	-5.88	PCI/L	U
16-021(c)	16-2768	0816-96-0103	06-Sep-96	NAv	Unfiltered	Americium-241	0.589	PCI/L	U
16-021(c)	16-2768	0816-96-0103	06-Sep-96	NAv	Unfiltered	Annihilation Radiation	-21.8	PCI/L	U
16-021(c)	16-2768	0816-96-0103	06-Sep-96	NAv	Unfiltered	Barium-140	1.88	PCI/L	U
16-021(c)	16-2768	0816-96-0103	06-Sep-96	NAv	Unfiltered	Bismuth-211	-3.06	PCI/L	U
16-021(c)	16-2768	0816-96-0103	06-Sep-96	NAv	Unfiltered	Bismuth-212	-5.68	PCI/L	U
16-021(c)	16-2768	0816-96-0103	06-Sep-96	NAv	Unfiltered	Bismuth-214	-4.34	PCI/L	U
16-021(c)	16-2768	0816-96-0103	06-Sep-96	NAv	Unfiltered	Cadmium-109	80	PCI/L	U
16-021(c)	16-2768	0816-96-0103	06-Sep-96	NAv	Unfiltered	Cerium-139	-1.03	PCI/L	U
16-021(c)	16-2768	0816-96-0103	06-Sep-96	NAv	Unfiltered	Cerium-144	0.637	PCI/L	U
16-021(c)	16-2768	0816-96-0103	06-Sep-96	NAv	Unfiltered	Cesium-134	0.733	PCI/L	U
16-021(c)	16-2768	0816-96-0103	06-Sep-96	NAv	Unfiltered	Cesium-137	1.53	PCI/L	U
16-021(c)	16-2768	0816-96-0103	06-Sep-96	NAv	Unfiltered	Cobalt-57	-0.579	PCI/L	U
16-021(c)	16-2768	0816-96-0103	06-Sep-96	NAv	Unfiltered	Cobalt-60	0.636	PCI/L	U
16-021(c)	16-2768	0816-96-0103	06-Sep-96	NAv	Unfiltered	Europium-152	8.29	PCI/L	U
16-021(c)	16-2768	0816-96-0103	06-Sep-96	NAv	Unfiltered	Lanthanum-140	17.9	PCI/L	U

Table I-3.0-10 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-021(c)	16-2768	0816-96-0103	06-Sep-96	NAv	Unfiltered	Lead-211	42.2	PCI/L	U
16-021(c)	16-2768	0816-96-0103	06-Sep-96	NAv	Unfiltered	Lead-212	-1.62	PCI/L	U
16-021(c)	16-2768	0816-96-0103	06-Sep-96	NAv	Unfiltered	Lead-214	-1.32	PCI/L	U
16-021(c)	16-2768	0816-96-0103	06-Sep-96	NAv	Unfiltered	Manganese-54	-0.914	PCI/L	U
16-021(c)	16-2768	0816-96-0103	06-Sep-96	NAv	Unfiltered	Mercury-203	0.958	PCI/L	U
16-021(c)	16-2768	0816-96-0103	06-Sep-96	NAv	Unfiltered	Neptunium-237	-9.1	PCI/L	U
16-021(c)	16-2768	0816-96-0103	06-Sep-96	NAv	Unfiltered	Potassium-40	24.3	PCI/L	U
16-021(c)	16-2768	0816-96-0103	06-Sep-96	NAv	Unfiltered	Protactinium-231	-0.577	PCI/L	U
16-021(c)	16-2768	0816-96-0103	06-Sep-96	NAv	Unfiltered	Protactinium-233	-1.09	PCI/L	U
16-021(c)	16-2768	0816-96-0103	06-Sep-96	NAv	Unfiltered	Protactinium-234M	146	PCI/L	U
16-021(c)	16-2768	0816-96-0103	06-Sep-96	NAv	Unfiltered	Radium-223	-0.356	PCI/L	U
16-021(c)	16-2768	0816-96-0103	06-Sep-96	NAv	Unfiltered	Radium-224	-88.9	PCI/L	U
16-021(c)	16-2768	0816-96-0103	06-Sep-96	NAv	Unfiltered	Radium-226	-4.25	PCI/L	U
16-021(c)	16-2768	0816-96-0103	06-Sep-96	NAv	Unfiltered	Radon-219	5.74	PCI/L	U
16-021(c)	16-2768	0816-96-0103	06-Sep-96	NAv	Unfiltered	Ruthenium-106	6.26	PCI/L	U
16-021(c)	16-2768	0816-96-0103	06-Sep-96	NAv	Unfiltered	Selenium-75	1.29	PCI/L	U
16-021(c)	16-2768	0816-96-0103	06-Sep-96	NAv	Unfiltered	Sodium-22	0.915	PCI/L	U
16-021(c)	16-2768	0816-96-0103	06-Sep-96	NAv	Unfiltered	Strontium-85	-2.91	PCI/L	U
16-021(c)	16-2768	0816-96-0103	06-Sep-96	NAv	Unfiltered	Thallium-208	0.685	PCI/L	U
16-021(c)	16-2768	0816-96-0103	06-Sep-96	NAv	Unfiltered	Thorium-227	-19.8	PCI/L	U
16-021(c)	16-2768	0816-96-0103	06-Sep-96	NAv	Unfiltered	Thorium-234	-64.3	PCI/L	U
16-021(c)	16-2768	0816-96-0103	06-Sep-96	NAv	Unfiltered	Tin-113	0.116	PCI/L	U
16-021(c)	16-2768	0816-96-0103	06-Sep-96	NAv	Unfiltered	Uranium-235	-1.44	PCI/L	U
16-021(c)	16-2768	0816-96-0103	06-Sep-96	NAv	Unfiltered	Yttrium-88	-1.7	PCI/L	U
16-021(c)	16-2768	0816-96-0103	06-Sep-96	NAv	Unfiltered	Zinc-65	4.1	PCI/L	U
16-021(c)	16-2769	0816-96-0104	06-Sep-96	NAv	Unfiltered	Actinium-228	-8.84	PCI/L	U
16-021(c)	16-2769	0816-96-0104	06-Sep-96	NAv	Unfiltered	Americium-241	-10.1	PCI/L	U
16-021(c)	16-2769	0816-96-0104	06-Sep-96	NAv	Unfiltered	Annihilation Radiation	-23.1	PCI/L	U
16-021(c)	16-2769	0816-96-0104	06-Sep-96	NAv	Unfiltered	Barium-140	2.48	PCI/L	U

Table I-3.0-10 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-021(c)	16-2769	0816-96-0104	06-Sep-96	NAv	Unfiltered	Bismuth-211	8.62	PCI/L	U
16-021(c)	16-2769	0816-96-0104	06-Sep-96	NAv	Unfiltered	Bismuth-212	-172	PCI/L	U
16-021(c)	16-2769	0816-96-0104	06-Sep-96	NAv	Unfiltered	Bismuth-214	-0.161	PCI/L	U
16-021(c)	16-2769	0816-96-0104	06-Sep-96	NAv	Unfiltered	Cadmium-109	-1.03	PCI/L	U
16-021(c)	16-2769	0816-96-0104	06-Sep-96	NAv	Unfiltered	Cerium-139	1.43	PCI/L	U
16-021(c)	16-2769	0816-96-0104	06-Sep-96	NAv	Unfiltered	Cerium-144	2.87	PCI/L	U
16-021(c)	16-2769	0816-96-0104	06-Sep-96	NAv	Unfiltered	Cesium-134	-4.21	PCI/L	U
16-021(c)	16-2769	0816-96-0104	06-Sep-96	NAv	Unfiltered	Cesium-137	1.97	PCI/L	U
16-021(c)	16-2769	0816-96-0104	06-Sep-96	NAv	Unfiltered	Cobalt-57	1.24	PCI/L	U
16-021(c)	16-2769	0816-96-0104	06-Sep-96	NAv	Unfiltered	Cobalt-60	2.57	PCI/L	U
16-021(c)	16-2769	0816-96-0104	06-Sep-96	NAv	Unfiltered	Europium-152	1.95	PCI/L	U
16-021(c)	16-2769	0816-96-0104	06-Sep-96	NAv	Unfiltered	Lanthanum-140	-2350	PCI/L	U
16-021(c)	16-2769	0816-96-0104	06-Sep-96	NAv	Unfiltered	Lead-211	-15.4	PCI/L	U
16-021(c)	16-2769	0816-96-0104	06-Sep-96	NAv	Unfiltered	Lead-212	3.08	PCI/L	U
16-021(c)	16-2769	0816-96-0104	06-Sep-96	NAv	Unfiltered	Lead-214	-6.14	PCI/L	U
16-021(c)	16-2769	0816-96-0104	06-Sep-96	NAv	Unfiltered	Manganese-54	-0.606	PCI/L	U
16-021(c)	16-2769	0816-96-0104	06-Sep-96	NAv	Unfiltered	Mercury-203	3.1	PCI/L	U
16-021(c)	16-2769	0816-96-0104	06-Sep-96	NAv	Unfiltered	Neptunium-237	7.63	PCI/L	U
16-021(c)	16-2769	0816-96-0104	06-Sep-96	NAv	Unfiltered	Potassium-40	-74.2	PCI/L	U
16-021(c)	16-2769	0816-96-0104	06-Sep-96	NAv	Unfiltered	Protactinium-231	-109	PCI/L	U
16-021(c)	16-2769	0816-96-0104	06-Sep-96	NAv	Unfiltered	Protactinium-233	-3.69	PCI/L	U
16-021(c)	16-2769	0816-96-0104	06-Sep-96	NAv	Unfiltered	Protactinium-234M	219	PCI/L	U
16-021(c)	16-2769	0816-96-0104	06-Sep-96	NAv	Unfiltered	Radium-223	-13.8	PCI/L	U
16-021(c)	16-2769	0816-96-0104	06-Sep-96	NAv	Unfiltered	Radium-224	-118	PCI/L	U
16-021(c)	16-2769	0816-96-0104	06-Sep-96	NAv	Unfiltered	Radium-226	-6.9	PCI/L	U
16-021(c)	16-2769	0816-96-0104	06-Sep-96	NAv	Unfiltered	Radon-219	11.8	PCI/L	U
16-021(c)	16-2769	0816-96-0104	06-Sep-96	NAv	Unfiltered	Ruthenium-106	4.81	PCI/L	U
16-021(c)	16-2769	0816-96-0104	06-Sep-96	NAv	Unfiltered	Selenium-75	-1.21	PCI/L	U
16-021(c)	16-2769	0816-96-0104	06-Sep-96	NAv	Unfiltered	Sodium-22	0.695	PCI/L	U

Table I-3.0-10 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-021(c)	16-2769	0816-96-0104	06-Sep-96	NAv	Unfiltered	Strontium-85	-4.3	PCI/L	U
16-021(c)	16-2769	0816-96-0104	06-Sep-96	NAv	Unfiltered	Thallium-208	-2.36	PCI/L	U
16-021(c)	16-2769	0816-96-0104	06-Sep-96	NAv	Unfiltered	Thorium-227	12.1	PCI/L	U
16-021(c)	16-2769	0816-96-0104	06-Sep-96	NAv	Unfiltered	Thorium-234	-204	PCI/L	U
16-021(c)	16-2769	0816-96-0104	06-Sep-96	NAv	Unfiltered	Tin-113	0	PCI/L	U
16-021(c)	16-2769	0816-96-0104	06-Sep-96	NAv	Unfiltered	Uranium-235	-5.02	PCI/L	U
16-021(c)	16-2769	0816-96-0104	06-Sep-96	NAv	Unfiltered	Yttrium-88	1.82	PCI/L	U
16-021(c)	16-2769	0816-96-0104	06-Sep-96	NAv	Unfiltered	Zinc-65	0.78	PCI/L	U
16-021(c)	16-2770	0816-96-0105	06-Sep-96	NAv	Unfiltered	Actinium-228	13.5	PCI/L	U
16-021(c)	16-2770	0816-96-0105	06-Sep-96	NAv	Unfiltered	Americium-241	10.6	PCI/L	U
16-021(c)	16-2770	0816-96-0105	06-Sep-96	NAv	Unfiltered	Annihilation Radiation	-22.6	PCI/L	U
16-021(c)	16-2770	0816-96-0105	06-Sep-96	NAv	Unfiltered	Barium-140	28.3	PCI/L	U
16-021(c)	16-2770	0816-96-0105	06-Sep-96	NAv	Unfiltered	Bismuth-211	3.53	PCI/L	U
16-021(c)	16-2770	0816-96-0105	06-Sep-96	NAv	Unfiltered	Bismuth-212	62.4	PCI/L	U
16-021(c)	16-2770	0816-96-0105	06-Sep-96	NAv	Unfiltered	Bismuth-214	2.38	PCI/L	U
16-021(c)	16-2770	0816-96-0105	06-Sep-96	NAv	Unfiltered	Cadmium-109	13.1	PCI/L	U
16-021(c)	16-2770	0816-96-0105	06-Sep-96	NAv	Unfiltered	Cerium-139	-1.31	PCI/L	U
16-021(c)	16-2770	0816-96-0105	06-Sep-96	NAv	Unfiltered	Cerium-144	-5.76	PCI/L	U
16-021(c)	16-2770	0816-96-0105	06-Sep-96	NAv	Unfiltered	Cesium-134	0.442	PCI/L	U
16-021(c)	16-2770	0816-96-0105	06-Sep-96	NAv	Unfiltered	Cesium-137	3.75	PCI/L	U
16-021(c)	16-2770	0816-96-0105	06-Sep-96	NAv	Unfiltered	Cobalt-57	-1.03	PCI/L	U
16-021(c)	16-2770	0816-96-0105	06-Sep-96	NAv	Unfiltered	Cobalt-60	-0.484	PCI/L	U
16-021(c)	16-2770	0816-96-0105	06-Sep-96	NAv	Unfiltered	Europium-152	-3.15	PCI/L	U
16-021(c)	16-2770	0816-96-0105	06-Sep-96	NAv	Unfiltered	Lanthanum-140	-2880	PCI/L	U
16-021(c)	16-2770	0816-96-0105	06-Sep-96	NAv	Unfiltered	Lead-211	4.35	PCI/L	U
16-021(c)	16-2770	0816-96-0105	06-Sep-96	NAv	Unfiltered	Lead-212	-3.5	PCI/L	U
16-021(c)	16-2770	0816-96-0105	06-Sep-96	NAv	Unfiltered	Lead-214	-1.41	PCI/L	U
16-021(c)	16-2770	0816-96-0105	06-Sep-96	NAv	Unfiltered	Manganese-54	-1.43	PCI/L	U
16-021(c)	16-2770	0816-96-0105	06-Sep-96	NAv	Unfiltered	Mercury-203	0.199	PCI/L	U

Table I-3.0-10 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-021(c)	16-2770	0816-96-0105	06-Sep-96	NAv	Unfiltered	Neptunium-237	-9.56	PCI/L	U
16-021(c)	16-2770	0816-96-0105	06-Sep-96	NAv	Unfiltered	Potassium-40	-54.2	PCI/L	U
16-021(c)	16-2770	0816-96-0105	06-Sep-96	NAv	Unfiltered	Protactinium-231	57.9	PCI/L	U
16-021(c)	16-2770	0816-96-0105	06-Sep-96	NAv	Unfiltered	Protactinium-233	-4.42	PCI/L	U
16-021(c)	16-2770	0816-96-0105	06-Sep-96	NAv	Unfiltered	Protactinium-234M	323	PCI/L	U
16-021(c)	16-2770	0816-96-0105	06-Sep-96	NAv	Unfiltered	Radium-223	-85.1	PCI/L	U
16-021(c)	16-2770	0816-96-0105	06-Sep-96	NAv	Unfiltered	Radium-224	-71.9	PCI/L	U
16-021(c)	16-2770	0816-96-0105	06-Sep-96	NAv	Unfiltered	Radium-226	15.8	PCI/L	U
16-021(c)	16-2770	0816-96-0105	06-Sep-96	NAv	Unfiltered	Radon-219	43.4	PCI/L	U
16-021(c)	16-2770	0816-96-0105	06-Sep-96	NAv	Unfiltered	Ruthenium-106	66	PCI/L	U
16-021(c)	16-2770	0816-96-0105	06-Sep-96	NAv	Unfiltered	Selenium-75	-4.47	PCI/L	U
16-021(c)	16-2770	0816-96-0105	06-Sep-96	NAv	Unfiltered	Sodium-22	3.13	PCI/L	U
16-021(c)	16-2770	0816-96-0105	06-Sep-96	NAv	Unfiltered	Strontium-85	-5.51	PCI/L	U
16-021(c)	16-2770	0816-96-0105	06-Sep-96	NAv	Unfiltered	Thallium-208	-2	PCI/L	U
16-021(c)	16-2770	0816-96-0105	06-Sep-96	NAv	Unfiltered	Thorium-227	0.879	PCI/L	U
16-021(c)	16-2770	0816-96-0105	06-Sep-96	NAv	Unfiltered	Thorium-234	-91.3	PCI/L	U
16-021(c)	16-2770	0816-96-0105	06-Sep-96	NAv	Unfiltered	Tin-113	1.21	PCI/L	U
16-021(c)	16-2770	0816-96-0105	06-Sep-96	NAv	Unfiltered	Uranium-235	-4.1	PCI/L	U
16-021(c)	16-2770	0816-96-0105	06-Sep-96	NAv	Unfiltered	Yttrium-88	-0.709	PCI/L	U
16-021(c)	16-2770	0816-96-0105	06-Sep-96	NAv	Unfiltered	Zinc-65	-1.44	PCI/L	U
16-021(c)	16-2771	0816-96-0106	06-Sep-96	NAv	Unfiltered	Actinium-228	1.29	PCI/L	U
16-021(c)	16-2771	0816-96-0106	06-Sep-96	NAv	Unfiltered	Americium-241	-0.105	PCI/L	U
16-021(c)	16-2771	0816-96-0106	06-Sep-96	NAv	Unfiltered	Annihilation Radiation	-23.7	PCI/L	U
16-021(c)	16-2771	0816-96-0106	06-Sep-96	NAv	Unfiltered	Barium-140	9.8	PCI/L	U
16-021(c)	16-2771	0816-96-0106	06-Sep-96	NAv	Unfiltered	Bismuth-211	-6.85	PCI/L	U
16-021(c)	16-2771	0816-96-0106	06-Sep-96	NAv	Unfiltered	Bismuth-212	148	PCI/L	U
16-021(c)	16-2771	0816-96-0106	06-Sep-96	NAv	Unfiltered	Bismuth-214	-6.43	PCI/L	U
16-021(c)	16-2771	0816-96-0106	06-Sep-96	NAv	Unfiltered	Cadmium-109	42.4	PCI/L	U
16-021(c)	16-2771	0816-96-0106	06-Sep-96	NAv	Unfiltered	Cerium-139	-0.496	PCI/L	U

Table I-3.0-10 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-021(c)	16-2771	0816-96-0106	06-Sep-96	NAv	Unfiltered	Cerium-144	-1.45	PCI/L	U
16-021(c)	16-2771	0816-96-0106	06-Sep-96	NAv	Unfiltered	Cesium-134	-1.6	PCI/L	U
16-021(c)	16-2771	0816-96-0106	06-Sep-96	NAv	Unfiltered	Cesium-137	0.884	PCI/L	U
16-021(c)	16-2771	0816-96-0106	06-Sep-96	NAv	Unfiltered	Cobalt-57	0.531	PCI/L	U
16-021(c)	16-2771	0816-96-0106	06-Sep-96	NAv	Unfiltered	Cobalt-60	0.993	PCI/L	U
16-021(c)	16-2771	0816-96-0106	06-Sep-96	NAv	Unfiltered	Europium-152	2.2	PCI/L	U
16-021(c)	16-2771	0816-96-0106	06-Sep-96	NAv	Unfiltered	Lanthanum-140	-3020	PCI/L	U
16-021(c)	16-2771	0816-96-0106	06-Sep-96	NAv	Unfiltered	Lead-211	10.5	PCI/L	U
16-021(c)	16-2771	0816-96-0106	06-Sep-96	NAv	Unfiltered	Lead-212	-0.24	PCI/L	U
16-021(c)	16-2771	0816-96-0106	06-Sep-96	NAv	Unfiltered	Lead-214	-4.11	PCI/L	U
16-021(c)	16-2771	0816-96-0106	06-Sep-96	NAv	Unfiltered	Manganese-54	-1.72	PCI/L	U
16-021(c)	16-2771	0816-96-0106	06-Sep-96	NAv	Unfiltered	Mercury-203	2.46	PCI/L	U
16-021(c)	16-2771	0816-96-0106	06-Sep-96	NAv	Unfiltered	Neptunium-237	-4.59	PCI/L	U
16-021(c)	16-2771	0816-96-0106	06-Sep-96	NAv	Unfiltered	Potassium-40	29.4	PCI/L	U
16-021(c)	16-2771	0816-96-0106	06-Sep-96	NAv	Unfiltered	Protactinium-231	-1.87	PCI/L	U
16-021(c)	16-2771	0816-96-0106	06-Sep-96	NAv	Unfiltered	Protactinium-233	-1.38	PCI/L	U
16-021(c)	16-2771	0816-96-0106	06-Sep-96	NAv	Unfiltered	Protactinium-234M	544	PCI/L	U
16-021(c)	16-2771	0816-96-0106	06-Sep-96	NAv	Unfiltered	Radium-223	9.47	PCI/L	U
16-021(c)	16-2771	0816-96-0106	06-Sep-96	NAv	Unfiltered	Radium-224	-57.4	PCI/L	U
16-021(c)	16-2771	0816-96-0106	06-Sep-96	NAv	Unfiltered	Radium-226	108	PCI/L	U
16-021(c)	16-2771	0816-96-0106	06-Sep-96	NAv	Unfiltered	Radon-219	-25.6	PCI/L	U
16-021(c)	16-2771	0816-96-0106	06-Sep-96	NAv	Unfiltered	Ruthenium-106	-5.71	PCI/L	U
16-021(c)	16-2771	0816-96-0106	06-Sep-96	NAv	Unfiltered	Selenium-75	1.09	PCI/L	U
16-021(c)	16-2771	0816-96-0106	06-Sep-96	NAv	Unfiltered	Sodium-22	0.833	PCI/L	U
16-021(c)	16-2771	0816-96-0106	06-Sep-96	NAv	Unfiltered	Strontium-85	-4.05	PCI/L	U
16-021(c)	16-2771	0816-96-0106	06-Sep-96	NAv	Unfiltered	Thallium-208	4	PCI/L	U
16-021(c)	16-2771	0816-96-0106	06-Sep-96	NAv	Unfiltered	Thorium-227	-2.46	PCI/L	U
16-021(c)	16-2771	0816-96-0106	06-Sep-96	NAv	Unfiltered	Thorium-234	-57.4	PCI/L	U
16-021(c)	16-2771	0816-96-0106	06-Sep-96	NAv	Unfiltered	Tin-113	1.37	PCI/L	U

Table I-3.0-10 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-021(c)	16-2771	0816-96-0106	06-Sep-96	NAv	Unfiltered	Uranium-235	1.65	PCI/L	U
16-021(c)	16-2771	0816-96-0106	06-Sep-96	NAv	Unfiltered	Yttrium-88	3.45	PCI/L	U
16-021(c)	16-2771	0816-96-0106	06-Sep-96	NAv	Unfiltered	Zinc-65	2.16	PCI/L	U
16-021(c)	16-2772	0816-96-0107	06-Sep-96	NAv	Unfiltered	Actinium-228	7.62	PCI/L	U
16-021(c)	16-2772	0816-96-0107	06-Sep-96	NAv	Unfiltered	Americium-241	-8.26	PCI/L	U
16-021(c)	16-2772	0816-96-0107	06-Sep-96	NAv	Unfiltered	Annihilation Radiation	-21.8	PCI/L	U
16-021(c)	16-2772	0816-96-0107	06-Sep-96	NAv	Unfiltered	Barium-140	10	PCI/L	U
16-021(c)	16-2772	0816-96-0107	06-Sep-96	NAv	Unfiltered	Bismuth-211	-13.1	PCI/L	U
16-021(c)	16-2772	0816-96-0107	06-Sep-96	NAv	Unfiltered	Bismuth-212	79	PCI/L	U
16-021(c)	16-2772	0816-96-0107	06-Sep-96	NAv	Unfiltered	Bismuth-214	-8.92	PCI/L	U
16-021(c)	16-2772	0816-96-0107	06-Sep-96	NAv	Unfiltered	Cadmium-109	9.28	PCI/L	U
16-021(c)	16-2772	0816-96-0107	06-Sep-96	NAv	Unfiltered	Cerium-139	-0.25	PCI/L	U
16-021(c)	16-2772	0816-96-0107	06-Sep-96	NAv	Unfiltered	Cerium-144	-8.29	PCI/L	U
16-021(c)	16-2772	0816-96-0107	06-Sep-96	NAv	Unfiltered	Cesium-134	-1.19	PCI/L	U
16-021(c)	16-2772	0816-96-0107	06-Sep-96	NAv	Unfiltered	Cesium-137	1.2	PCI/L	U
16-021(c)	16-2772	0816-96-0107	06-Sep-96	NAv	Unfiltered	Cobalt-57	-0.929	PCI/L	U
16-021(c)	16-2772	0816-96-0107	06-Sep-96	NAv	Unfiltered	Cobalt-60	2.08	PCI/L	U
16-021(c)	16-2772	0816-96-0107	06-Sep-96	NAv	Unfiltered	Europium-152	-1.86	PCI/L	U
16-021(c)	16-2772	0816-96-0107	06-Sep-96	NAv	Unfiltered	Lanthanum-140	-1650	PCI/L	U
16-021(c)	16-2772	0816-96-0107	06-Sep-96	NAv	Unfiltered	Lead-211	-12.4	PCI/L	U
16-021(c)	16-2772	0816-96-0107	06-Sep-96	NAv	Unfiltered	Lead-212	-4.67	PCI/L	U
16-021(c)	16-2772	0816-96-0107	06-Sep-96	NAv	Unfiltered	Lead-214	-3.04	PCI/L	U
16-021(c)	16-2772	0816-96-0107	06-Sep-96	NAv	Unfiltered	Manganese-54	-0.264	PCI/L	U
16-021(c)	16-2772	0816-96-0107	06-Sep-96	NAv	Unfiltered	Mercury-203	1.04	PCI/L	U
16-021(c)	16-2772	0816-96-0107	06-Sep-96	NAv	Unfiltered	Neptunium-237	-5.02	PCI/L	U
16-021(c)	16-2772	0816-96-0107	06-Sep-96	NAv	Unfiltered	Potassium-40	-15.6	PCI/L	U
16-021(c)	16-2772	0816-96-0107	06-Sep-96	NAv	Unfiltered	Protactinium-231	-10.9	PCI/L	U
16-021(c)	16-2772	0816-96-0107	06-Sep-96	NAv	Unfiltered	Protactinium-233	0.494	PCI/L	U
16-021(c)	16-2772	0816-96-0107	06-Sep-96	NAv	Unfiltered	Protactinium-234M	60.3	PCI/L	U

Table I-3.0-10 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-021(c)	16-2772	0816-96-0107	06-Sep-96	NAv	Unfiltered	Radium-223	-46.3	PCI/L	U
16-021(c)	16-2772	0816-96-0107	06-Sep-96	NAv	Unfiltered	Radium-224	-74.2	PCI/L	U
16-021(c)	16-2772	0816-96-0107	06-Sep-96	NAv	Unfiltered	Radium-226	-21.4	PCI/L	U
16-021(c)	16-2772	0816-96-0107	06-Sep-96	NAv	Unfiltered	Radon-219	4.53	PCI/L	U
16-021(c)	16-2772	0816-96-0107	06-Sep-96	NAv	Unfiltered	Ruthenium-106	-11.1	PCI/L	U
16-021(c)	16-2772	0816-96-0107	06-Sep-96	NAv	Unfiltered	Selenium-75	0.42	PCI/L	U
16-021(c)	16-2772	0816-96-0107	06-Sep-96	NAv	Unfiltered	Sodium-22	0.832	PCI/L	U
16-021(c)	16-2772	0816-96-0107	06-Sep-96	NAv	Unfiltered	Strontium-85	-2.47	PCI/L	U
16-021(c)	16-2772	0816-96-0107	06-Sep-96	NAv	Unfiltered	Thallium-208	-0.399	PCI/L	U
16-021(c)	16-2772	0816-96-0107	06-Sep-96	NAv	Unfiltered	Thorium-227	-16.3	PCI/L	U
16-021(c)	16-2772	0816-96-0107	06-Sep-96	NAv	Unfiltered	Thorium-234	-264	PCI/L	U
16-021(c)	16-2772	0816-96-0107	06-Sep-96	NAv	Unfiltered	Tin-113	0.155	PCI/L	U
16-021(c)	16-2772	0816-96-0107	06-Sep-96	NAv	Unfiltered	Uranium-235	-1.79	PCI/L	U
16-021(c)	16-2772	0816-96-0107	06-Sep-96	NAv	Unfiltered	Yttrium-88	-2.01	PCI/L	U
16-021(c)	16-2772	0816-96-0107	06-Sep-96	NAv	Unfiltered	Zinc-65	-0.621	PCI/L	U
16-021(c)	16-2773	0816-96-0108	06-Sep-96	NAv	Unfiltered	Actinium-228	-6.58	PCI/L	U
16-021(c)	16-2773	0816-96-0108	06-Sep-96	NAv	Unfiltered	Americium-241	-14.6	PCI/L	U
16-021(c)	16-2773	0816-96-0108	06-Sep-96	NAv	Unfiltered	Annihilation Radiation	-25.8	PCI/L	U
16-021(c)	16-2773	0816-96-0108	06-Sep-96	NAv	Unfiltered	Barium-140	2.77	PCI/L	U
16-021(c)	16-2773	0816-96-0108	06-Sep-96	NAv	Unfiltered	Bismuth-211	8	PCI/L	U
16-021(c)	16-2773	0816-96-0108	06-Sep-96	NAv	Unfiltered	Bismuth-212	58.5	PCI/L	U
16-021(c)	16-2773	0816-96-0108	06-Sep-96	NAv	Unfiltered	Bismuth-214	-0.316	PCI/L	U
16-021(c)	16-2773	0816-96-0108	06-Sep-96	NAv	Unfiltered	Cadmium-109	-6.25	PCI/L	U
16-021(c)	16-2773	0816-96-0108	06-Sep-96	NAv	Unfiltered	Cerium-139	-0.462	PCI/L	U
16-021(c)	16-2773	0816-96-0108	06-Sep-96	NAv	Unfiltered	Cerium-144	-12.9	PCI/L	U
16-021(c)	16-2773	0816-96-0108	06-Sep-96	NAv	Unfiltered	Cesium-134	0.911	PCI/L	U
16-021(c)	16-2773	0816-96-0108	06-Sep-96	NAv	Unfiltered	Cesium-137	2.09	PCI/L	U
16-021(c)	16-2773	0816-96-0108	06-Sep-96	NAv	Unfiltered	Cobalt-57	-1.56	PCI/L	U
16-021(c)	16-2773	0816-96-0108	06-Sep-96	NAv	Unfiltered	Cobalt-60	3.43	PCI/L	U

Table I-3.0-10 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-021(c)	16-2773	0816-96-0108	06-Sep-96	NAv	Unfiltered	Europium-152	9.91	PCI/L	U
16-021(c)	16-2773	0816-96-0108	06-Sep-96	NAv	Unfiltered	Lanthanum-140	2870	PCI/L	U
16-021(c)	16-2773	0816-96-0108	06-Sep-96	NAv	Unfiltered	Lead-211	14.3	PCI/L	U
16-021(c)	16-2773	0816-96-0108	06-Sep-96	NAv	Unfiltered	Lead-212	-3.45	PCI/L	U
16-021(c)	16-2773	0816-96-0108	06-Sep-96	NAv	Unfiltered	Lead-214	0	PCI/L	U
16-021(c)	16-2773	0816-96-0108	06-Sep-96	NAv	Unfiltered	Manganese-54	4.14	PCI/L	U
16-021(c)	16-2773	0816-96-0108	06-Sep-96	NAv	Unfiltered	Mercury-203	-0.686	PCI/L	U
16-021(c)	16-2773	0816-96-0108	06-Sep-96	NAv	Unfiltered	Neptunium-237	-24.3	PCI/L	U
16-021(c)	16-2773	0816-96-0108	06-Sep-96	NAv	Unfiltered	Potassium-40	20.1	PCI/L	U
16-021(c)	16-2773	0816-96-0108	06-Sep-96	NAv	Unfiltered	Protactinium-231	21.7	PCI/L	U
16-021(c)	16-2773	0816-96-0108	06-Sep-96	NAv	Unfiltered	Protactinium-233	-1.44	PCI/L	U
16-021(c)	16-2773	0816-96-0108	06-Sep-96	NAv	Unfiltered	Protactinium-234M	555	PCI/L	U
16-021(c)	16-2773	0816-96-0108	06-Sep-96	NAv	Unfiltered	Radium-223	10.2	PCI/L	U
16-021(c)	16-2773	0816-96-0108	06-Sep-96	NAv	Unfiltered	Radium-224	-101	PCI/L	U
16-021(c)	16-2773	0816-96-0108	06-Sep-96	NAv	Unfiltered	Radium-226	-28.1	PCI/L	U
16-021(c)	16-2773	0816-96-0108	06-Sep-96	NAv	Unfiltered	Radon-219	-4.03	PCI/L	U
16-021(c)	16-2773	0816-96-0108	06-Sep-96	NAv	Unfiltered	Ruthenium-106	-22.8	PCI/L	U
16-021(c)	16-2773	0816-96-0108	06-Sep-96	NAv	Unfiltered	Selenium-75	-5.18	PCI/L	U
16-021(c)	16-2773	0816-96-0108	06-Sep-96	NAv	Unfiltered	Sodium-22	-1.61	PCI/L	U
16-021(c)	16-2773	0816-96-0108	06-Sep-96	NAv	Unfiltered	Strontium-85	-7.71	PCI/L	U
16-021(c)	16-2773	0816-96-0108	06-Sep-96	NAv	Unfiltered	Thallium-208	-7.18	PCI/L	U
16-021(c)	16-2773	0816-96-0108	06-Sep-96	NAv	Unfiltered	Thorium-227	0.604	PCI/L	U
16-021(c)	16-2773	0816-96-0108	06-Sep-96	NAv	Unfiltered	Thorium-234	-148	PCI/L	U
16-021(c)	16-2773	0816-96-0108	06-Sep-96	NAv	Unfiltered	Tin-113	-5.58	PCI/L	U
16-021(c)	16-2773	0816-96-0108	06-Sep-96	NAv	Unfiltered	Uranium-235	-4.23	PCI/L	U
16-021(c)	16-2773	0816-96-0108	06-Sep-96	NAv	Unfiltered	Yttrium-88	-2.56	PCI/L	U
16-021(c)	16-2773	0816-96-0108	06-Sep-96	NAv	Unfiltered	Zinc-65	-3.85	PCI/L	U
16-021(c)	16-2774	0816-96-0109	06-Sep-96	NAv	Unfiltered	Actinium-228	-2.23	PCI/L	U
16-021(c)	16-2774	0816-96-0109	06-Sep-96	NAv	Unfiltered	Americium-241	-13.1	PCI/L	U

Table I-3.0-10 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-021(c)	16-2774	0816-96-0109	06-Sep-96	NAv	Unfiltered	Annihilation Radiation	-20.8	PCI/L	U
16-021(c)	16-2774	0816-96-0109	06-Sep-96	NAv	Unfiltered	Barium-140	21.6	PCI/L	U
16-021(c)	16-2774	0816-96-0109	06-Sep-96	NAv	Unfiltered	Bismuth-211	21.1	PCI/L	U
16-021(c)	16-2774	0816-96-0109	06-Sep-96	NAv	Unfiltered	Bismuth-212	-90.1	PCI/L	U
16-021(c)	16-2774	0816-96-0109	06-Sep-96	NAv	Unfiltered	Bismuth-214	0.637	PCI/L	U
16-021(c)	16-2774	0816-96-0109	06-Sep-96	NAv	Unfiltered	Cadmium-109	23.5	PCI/L	U
16-021(c)	16-2774	0816-96-0109	06-Sep-96	NAv	Unfiltered	Cerium-139	-0.729	PCI/L	U
16-021(c)	16-2774	0816-96-0109	06-Sep-96	NAv	Unfiltered	Cerium-144	7.75	PCI/L	U
16-021(c)	16-2774	0816-96-0109	06-Sep-96	NAv	Unfiltered	Cesium-134	0	PCI/L	U
16-021(c)	16-2774	0816-96-0109	06-Sep-96	NAv	Unfiltered	Cesium-137	-1.11	PCI/L	U
16-021(c)	16-2774	0816-96-0109	06-Sep-96	NAv	Unfiltered	Cobalt-57	0.133	PCI/L	U
16-021(c)	16-2774	0816-96-0109	06-Sep-96	NAv	Unfiltered	Cobalt-60	-0.255	PCI/L	U
16-021(c)	16-2774	0816-96-0109	06-Sep-96	NAv	Unfiltered	Europium-152	0.81	PCI/L	U
16-021(c)	16-2774	0816-96-0109	06-Sep-96	NAv	Unfiltered	Lanthanum-140	3050	PCI/L	U
16-021(c)	16-2774	0816-96-0109	06-Sep-96	NAv	Unfiltered	Lead-211	-24.2	PCI/L	U
16-021(c)	16-2774	0816-96-0109	06-Sep-96	NAv	Unfiltered	Lead-212	5.23	PCI/L	U
16-021(c)	16-2774	0816-96-0109	06-Sep-96	NAv	Unfiltered	Lead-214	-5.89	PCI/L	U
16-021(c)	16-2774	0816-96-0109	06-Sep-96	NAv	Unfiltered	Manganese-54	3	PCI/L	U
16-021(c)	16-2774	0816-96-0109	06-Sep-96	NAv	Unfiltered	Mercury-203	-0.615	PCI/L	U
16-021(c)	16-2774	0816-96-0109	06-Sep-96	NAv	Unfiltered	Neptunium-237	-0.302	PCI/L	U
16-021(c)	16-2774	0816-96-0109	06-Sep-96	NAv	Unfiltered	Potassium-40	-4.26	PCI/L	U
16-021(c)	16-2774	0816-96-0109	06-Sep-96	NAv	Unfiltered	Protactinium-231	126	PCI/L	U
16-021(c)	16-2774	0816-96-0109	06-Sep-96	NAv	Unfiltered	Protactinium-233	1.44	PCI/L	U
16-021(c)	16-2774	0816-96-0109	06-Sep-96	NAv	Unfiltered	Protactinium-234M	537	PCI/L	U
16-021(c)	16-2774	0816-96-0109	06-Sep-96	NAv	Unfiltered	Radium-223	-32.9	PCI/L	U
16-021(c)	16-2774	0816-96-0109	06-Sep-96	NAv	Unfiltered	Radium-224	-130	PCI/L	U
16-021(c)	16-2774	0816-96-0109	06-Sep-96	NAv	Unfiltered	Radium-226	-17.1	PCI/L	U
16-021(c)	16-2774	0816-96-0109	06-Sep-96	NAv	Unfiltered	Radon-219	41.5	PCI/L	U
16-021(c)	16-2774	0816-96-0109	06-Sep-96	NAv	Unfiltered	Ruthenium-106	-16.3	PCI/L	U

Table I-3.0-10 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-021(c)	16-2774	0816-96-0109	06-Sep-96	NAv	Unfiltered	Selenium-75	3.81	PCI/L	U
16-021(c)	16-2774	0816-96-0109	06-Sep-96	NAv	Unfiltered	Sodium-22	-2.2	PCI/L	U
16-021(c)	16-2774	0816-96-0109	06-Sep-96	NAv	Unfiltered	Strontium-85	-9.03	PCI/L	U
16-021(c)	16-2774	0816-96-0109	06-Sep-96	NAv	Unfiltered	Thallium-208	1.06	PCI/L	U
16-021(c)	16-2774	0816-96-0109	06-Sep-96	NAv	Unfiltered	Thorium-227	-1.8	PCI/L	U
16-021(c)	16-2774	0816-96-0109	06-Sep-96	NAv	Unfiltered	Thorium-234	-90.5	PCI/L	U
16-021(c)	16-2774	0816-96-0109	06-Sep-96	NAv	Unfiltered	Tin-113	-1.87	PCI/L	U
16-021(c)	16-2774	0816-96-0109	06-Sep-96	NAv	Unfiltered	Uranium-235	-5.3	PCI/L	U
16-021(c)	16-2774	0816-96-0109	06-Sep-96	NAv	Unfiltered	Yttrium-88	-1.49	PCI/L	U
16-021(c)	16-2774	0816-96-0109	06-Sep-96	NAv	Unfiltered	Zinc-65	-1.65	PCI/L	U
16-021(c)	16-2775	0816-96-0110	06-Sep-96	NAv	Unfiltered	Actinium-228	-3.87	PCI/L	U
16-021(c)	16-2775	0816-96-0110	06-Sep-96	NAv	Unfiltered	Americium-241	-2.51	PCI/L	U
16-021(c)	16-2775	0816-96-0110	06-Sep-96	NAv	Unfiltered	Annihilation Radiation	-25.9	PCI/L	U
16-021(c)	16-2775	0816-96-0110	06-Sep-96	NAv	Unfiltered	Barium-140	22.4	PCI/L	U
16-021(c)	16-2775	0816-96-0110	06-Sep-96	NAv	Unfiltered	Bismuth-211	-8.37	PCI/L	U
16-021(c)	16-2775	0816-96-0110	06-Sep-96	NAv	Unfiltered	Bismuth-212	0	PCI/L	U
16-021(c)	16-2775	0816-96-0110	06-Sep-96	NAv	Unfiltered	Bismuth-214	0.528	PCI/L	U
16-021(c)	16-2775	0816-96-0110	06-Sep-96	NAv	Unfiltered	Cadmium-109	-5.66	PCI/L	U
16-021(c)	16-2775	0816-96-0110	06-Sep-96	NAv	Unfiltered	Cerium-139	-1.95	PCI/L	U
16-021(c)	16-2775	0816-96-0110	06-Sep-96	NAv	Unfiltered	Cerium-144	-13.4	PCI/L	U
16-021(c)	16-2775	0816-96-0110	06-Sep-96	NAv	Unfiltered	Cesium-134	2.3	PCI/L	U
16-021(c)	16-2775	0816-96-0110	06-Sep-96	NAv	Unfiltered	Cesium-137	2.17	PCI/L	U
16-021(c)	16-2775	0816-96-0110	06-Sep-96	NAv	Unfiltered	Cobalt-57	0.664	PCI/L	U
16-021(c)	16-2775	0816-96-0110	06-Sep-96	NAv	Unfiltered	Cobalt-60	0.305	PCI/L	U
16-021(c)	16-2775	0816-96-0110	06-Sep-96	NAv	Unfiltered	Europium-152	-13.9	PCI/L	U
16-021(c)	16-2775	0816-96-0110	06-Sep-96	NAv	Unfiltered	Lanthanum-140	-7720	PCI/L	U
16-021(c)	16-2775	0816-96-0110	06-Sep-96	NAv	Unfiltered	Lead-211	-0.951	PCI/L	U
16-021(c)	16-2775	0816-96-0110	06-Sep-96	NAv	Unfiltered	Lead-212	0.96	PCI/L	U
16-021(c)	16-2775	0816-96-0110	06-Sep-96	NAv	Unfiltered	Lead-214	5.04	PCI/L	U

Table I-3.0-10 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-021(c)	16-2775	0816-96-0110	06-Sep-96	NAv	Unfiltered	Manganese-54	1.38	PCI/L	U
16-021(c)	16-2775	0816-96-0110	06-Sep-96	NAv	Unfiltered	Mercury-203	-0.564	PCI/L	U
16-021(c)	16-2775	0816-96-0110	06-Sep-96	NAv	Unfiltered	Neptunium-237	-7.57	PCI/L	U
16-021(c)	16-2775	0816-96-0110	06-Sep-96	NAv	Unfiltered	Potassium-40	-7.68	PCI/L	U
16-021(c)	16-2775	0816-96-0110	06-Sep-96	NAv	Unfiltered	Protactinium-231	-118	PCI/L	U
16-021(c)	16-2775	0816-96-0110	06-Sep-96	NAv	Unfiltered	Protactinium-233	-1.27	PCI/L	U
16-021(c)	16-2775	0816-96-0110	06-Sep-96	NAv	Unfiltered	Protactinium-234M	641	PCI/L	U
16-021(c)	16-2775	0816-96-0110	06-Sep-96	NAv	Unfiltered	Radium-223	-11.8	PCI/L	U
16-021(c)	16-2775	0816-96-0110	06-Sep-96	NAv	Unfiltered	Radium-224	-91.6	PCI/L	U
16-021(c)	16-2775	0816-96-0110	06-Sep-96	NAv	Unfiltered	Radium-226	66.3	PCI/L	U
16-021(c)	16-2775	0816-96-0110	06-Sep-96	NAv	Unfiltered	Radon-219	44.4	PCI/L	U
16-021(c)	16-2775	0816-96-0110	06-Sep-96	NAv	Unfiltered	Ruthenium-106	0	PCI/L	U
16-021(c)	16-2775	0816-96-0110	06-Sep-96	NAv	Unfiltered	Selenium-75	-1.82	PCI/L	U
16-021(c)	16-2775	0816-96-0110	06-Sep-96	NAv	Unfiltered	Sodium-22	1.04	PCI/L	U
16-021(c)	16-2775	0816-96-0110	06-Sep-96	NAv	Unfiltered	Strontium-85	-6.06	PCI/L	U
16-021(c)	16-2775	0816-96-0110	06-Sep-96	NAv	Unfiltered	Thallium-208	6.14	PCI/L	U
16-021(c)	16-2775	0816-96-0110	06-Sep-96	NAv	Unfiltered	Thorium-227	-0.308	PCI/L	U
16-021(c)	16-2775	0816-96-0110	06-Sep-96	NAv	Unfiltered	Thorium-234	-101	PCI/L	U
16-021(c)	16-2775	0816-96-0110	06-Sep-96	NAv	Unfiltered	Tin-113	2.12	PCI/L	U
16-021(c)	16-2775	0816-96-0110	06-Sep-96	NAv	Unfiltered	Uranium-235	-1.65	PCI/L	U
16-021(c)	16-2775	0816-96-0110	06-Sep-96	NAv	Unfiltered	Yttrium-88	1.72	PCI/L	U
16-021(c)	16-2775	0816-96-0110	06-Sep-96	NAv	Unfiltered	Zinc-65	0.629	PCI/L	U
16-021(c)	16-2776	0816-96-0111	06-Sep-96	NAv	Unfiltered	Actinium-228	-2.55	PCI/L	U
16-021(c)	16-2776	0816-96-0111	06-Sep-96	NAv	Unfiltered	Americium-241	6.99	PCI/L	U
16-021(c)	16-2776	0816-96-0111	06-Sep-96	NAv	Unfiltered	Annihilation Radiation	-18.4	PCI/L	U
16-021(c)	16-2776	0816-96-0111	06-Sep-96	NAv	Unfiltered	Barium-140	-4.47	PCI/L	U
16-021(c)	16-2776	0816-96-0111	06-Sep-96	NAv	Unfiltered	Bismuth-211	-19	PCI/L	U
16-021(c)	16-2776	0816-96-0111	06-Sep-96	NAv	Unfiltered	Bismuth-212	-6.28	PCI/L	U
16-021(c)	16-2776	0816-96-0111	06-Sep-96	NAv	Unfiltered	Bismuth-214	-5.51	PCI/L	U

Table I-3.0-10 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-021(c)	16-2776	0816-96-0111	06-Sep-96	NAv	Unfiltered	Cadmium-109	11.5	PCI/L	U
16-021(c)	16-2776	0816-96-0111	06-Sep-96	NAv	Unfiltered	Cerium-139	-0.596	PCI/L	U
16-021(c)	16-2776	0816-96-0111	06-Sep-96	NAv	Unfiltered	Cerium-144	6.43	PCI/L	U
16-021(c)	16-2776	0816-96-0111	06-Sep-96	NAv	Unfiltered	Cesium-134	-1.08	PCI/L	U
16-021(c)	16-2776	0816-96-0111	06-Sep-96	NAv	Unfiltered	Cesium-137	-2	PCI/L	U
16-021(c)	16-2776	0816-96-0111	06-Sep-96	NAv	Unfiltered	Cobalt-57	-0.1	PCI/L	U
16-021(c)	16-2776	0816-96-0111	06-Sep-96	NAv	Unfiltered	Cobalt-60	2.08	PCI/L	U
16-021(c)	16-2776	0816-96-0111	06-Sep-96	NAv	Unfiltered	Europium-152	-0.742	PCI/L	U
16-021(c)	16-2776	0816-96-0111	06-Sep-96	NAv	Unfiltered	Lanthanum-140	-832	PCI/L	U
16-021(c)	16-2776	0816-96-0111	06-Sep-96	NAv	Unfiltered	Lead-211	2.34	PCI/L	U
16-021(c)	16-2776	0816-96-0111	06-Sep-96	NAv	Unfiltered	Lead-212	-2.51	PCI/L	U
16-021(c)	16-2776	0816-96-0111	06-Sep-96	NAv	Unfiltered	Lead-214	-7.65	PCI/L	U
16-021(c)	16-2776	0816-96-0111	06-Sep-96	NAv	Unfiltered	Manganese-54	-1.55	PCI/L	U
16-021(c)	16-2776	0816-96-0111	06-Sep-96	NAv	Unfiltered	Mercury-203	1.42	PCI/L	U
16-021(c)	16-2776	0816-96-0111	06-Sep-96	NAv	Unfiltered	Neptunium-237	-7.3	PCI/L	U
16-021(c)	16-2776	0816-96-0111	06-Sep-96	NAv	Unfiltered	Potassium-40	-25.6	PCI/L	U
16-021(c)	16-2776	0816-96-0111	06-Sep-96	NAv	Unfiltered	Protactinium-231	14.7	PCI/L	U
16-021(c)	16-2776	0816-96-0111	06-Sep-96	NAv	Unfiltered	Protactinium-233	-1.7	PCI/L	U
16-021(c)	16-2776	0816-96-0111	06-Sep-96	NAv	Unfiltered	Protactinium-234M	28.3	PCI/L	U
16-021(c)	16-2776	0816-96-0111	06-Sep-96	NAv	Unfiltered	Radium-223	-38.9	PCI/L	U
16-021(c)	16-2776	0816-96-0111	06-Sep-96	NAv	Unfiltered	Radium-224	-101	PCI/L	U
16-021(c)	16-2776	0816-96-0111	06-Sep-96	NAv	Unfiltered	Radium-226	-14.9	PCI/L	U
16-021(c)	16-2776	0816-96-0111	06-Sep-96	NAv	Unfiltered	Radon-219	-5.51	PCI/L	U
16-021(c)	16-2776	0816-96-0111	06-Sep-96	NAv	Unfiltered	Ruthenium-106	-9.92	PCI/L	U
16-021(c)	16-2776	0816-96-0111	06-Sep-96	NAv	Unfiltered	Selenium-75	1.33	PCI/L	U
16-021(c)	16-2776	0816-96-0111	06-Sep-96	NAv	Unfiltered	Sodium-22	0.93	PCI/L	U
16-021(c)	16-2776	0816-96-0111	06-Sep-96	NAv	Unfiltered	Strontium-85	-7.97	PCI/L	U
16-021(c)	16-2776	0816-96-0111	06-Sep-96	NAv	Unfiltered	Thallium-208	0.873	PCI/L	U
16-021(c)	16-2776	0816-96-0111	06-Sep-96	NAv	Unfiltered	Thorium-227	-5.48	PCI/L	U

Table I-3.0-10 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-021(c)	16-2776	0816-96-0111	06-Sep-96	NAv	Unfiltered	Thorium-234	-292	PCI/L	U
16-021(c)	16-2776	0816-96-0111	06-Sep-96	NAv	Unfiltered	Tin-113	-0.888	PCI/L	U
16-021(c)	16-2776	0816-96-0111	06-Sep-96	NAv	Unfiltered	Uranium-235	-1.61	PCI/L	U
16-021(c)	16-2776	0816-96-0111	06-Sep-96	NAv	Unfiltered	Yttrium-88	-1.94	PCI/L	U
16-021(c)	16-2776	0816-96-0111	06-Sep-96	NAv	Unfiltered	Zinc-65	-2.45	PCI/L	U
16-021(c)	16-2777	0816-96-0112	06-Sep-96	NAv	Unfiltered	Actinium-228	1.39	PCI/L	U
16-021(c)	16-2777	0816-96-0112	06-Sep-96	NAv	Unfiltered	Americium-241	-12.6	PCI/L	U
16-021(c)	16-2777	0816-96-0112	06-Sep-96	NAv	Unfiltered	Annihilation Radiation	-35.6	PCI/L	U
16-021(c)	16-2777	0816-96-0112	06-Sep-96	NAv	Unfiltered	Barium-140	23.3	PCI/L	U
16-021(c)	16-2777	0816-96-0112	06-Sep-96	NAv	Unfiltered	Bismuth-211	10.5	PCI/L	U
16-021(c)	16-2777	0816-96-0112	06-Sep-96	NAv	Unfiltered	Bismuth-212	6.44	PCI/L	U
16-021(c)	16-2777	0816-96-0112	06-Sep-96	NAv	Unfiltered	Bismuth-214	-7.03	PCI/L	U
16-021(c)	16-2777	0816-96-0112	06-Sep-96	NAv	Unfiltered	Cadmium-109	25	PCI/L	U
16-021(c)	16-2777	0816-96-0112	06-Sep-96	NAv	Unfiltered	Cerium-139	1.16	PCI/L	U
16-021(c)	16-2777	0816-96-0112	06-Sep-96	NAv	Unfiltered	Cerium-144	30.5	PCI/L	U
16-021(c)	16-2777	0816-96-0112	06-Sep-96	NAv	Unfiltered	Cesium-134	2.39	PCI/L	U
16-021(c)	16-2777	0816-96-0112	06-Sep-96	NAv	Unfiltered	Cesium-137	-0.414	PCI/L	U
16-021(c)	16-2777	0816-96-0112	06-Sep-96	NAv	Unfiltered	Cobalt-57	-3.98	PCI/L	U
16-021(c)	16-2777	0816-96-0112	06-Sep-96	NAv	Unfiltered	Cobalt-60	-0.957	PCI/L	U
16-021(c)	16-2777	0816-96-0112	06-Sep-96	NAv	Unfiltered	Europium-152	-8.16	PCI/L	U
16-021(c)	16-2777	0816-96-0112	06-Sep-96	NAv	Unfiltered	Lanthanum-140	-4540	PCI/L	U
16-021(c)	16-2777	0816-96-0112	06-Sep-96	NAv	Unfiltered	Lead-211	-31.4	PCI/L	U
16-021(c)	16-2777	0816-96-0112	06-Sep-96	NAv	Unfiltered	Lead-212	1.65	PCI/L	U
16-021(c)	16-2777	0816-96-0112	06-Sep-96	NAv	Unfiltered	Lead-214	-0.254	PCI/L	U
16-021(c)	16-2777	0816-96-0112	06-Sep-96	NAv	Unfiltered	Manganese-54	0.887	PCI/L	U
16-021(c)	16-2777	0816-96-0112	06-Sep-96	NAv	Unfiltered	Mercury-203	-1.79	PCI/L	U
16-021(c)	16-2777	0816-96-0112	06-Sep-96	NAv	Unfiltered	Neptunium-237	-15.7	PCI/L	U
16-021(c)	16-2777	0816-96-0112	06-Sep-96	NAv	Unfiltered	Potassium-40	-80.4	PCI/L	U
16-021(c)	16-2777	0816-96-0112	06-Sep-96	NAv	Unfiltered	Protactinium-231	-12.7	PCI/L	U

Table I-3.0-10 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-021(c)	16-2777	0816-96-0112	06-Sep-96	NAv	Unfiltered	Protactinium-233	3.33	PCI/L	U
16-021(c)	16-2777	0816-96-0112	06-Sep-96	NAv	Unfiltered	Protactinium-234M	-444	PCI/L	U
16-021(c)	16-2777	0816-96-0112	06-Sep-96	NAv	Unfiltered	Radium-223	-43.3	PCI/L	U
16-021(c)	16-2777	0816-96-0112	06-Sep-96	NAv	Unfiltered	Radium-224	-93.3	PCI/L	U
16-021(c)	16-2777	0816-96-0112	06-Sep-96	NAv	Unfiltered	Radium-226	-61.5	PCI/L	U
16-021(c)	16-2777	0816-96-0112	06-Sep-96	NAv	Unfiltered	Radon-219	-72.1	PCI/L	U
16-021(c)	16-2777	0816-96-0112	06-Sep-96	NAv	Unfiltered	Ruthenium-106	2.36	PCI/L	U
16-021(c)	16-2777	0816-96-0112	06-Sep-96	NAv	Unfiltered	Selenium-75	-0.497	PCI/L	U
16-021(c)	16-2777	0816-96-0112	06-Sep-96	NAv	Unfiltered	Sodium-22	-0.135	PCI/L	U
16-021(c)	16-2777	0816-96-0112	06-Sep-96	NAv	Unfiltered	Strontium-85	-2.6	PCI/L	U
16-021(c)	16-2777	0816-96-0112	06-Sep-96	NAv	Unfiltered	Thallium-208	-0.21	PCI/L	U
16-021(c)	16-2777	0816-96-0112	06-Sep-96	NAv	Unfiltered	Thorium-227	1.51	PCI/L	U
16-021(c)	16-2777	0816-96-0112	06-Sep-96	NAv	Unfiltered	Thorium-234	-90.3	PCI/L	U
16-021(c)	16-2777	0816-96-0112	06-Sep-96	NAv	Unfiltered	Tin-113	4.69	PCI/L	U
16-021(c)	16-2777	0816-96-0112	06-Sep-96	NAv	Unfiltered	Uranium-235	-6.86	PCI/L	U
16-021(c)	16-2777	0816-96-0112	06-Sep-96	NAv	Unfiltered	Yttrium-88	-4.76	PCI/L	U
16-021(c)	16-2777	0816-96-0112	06-Sep-96	NAv	Unfiltered	Zinc-65	2.48	PCI/L	U
16-021(c)	16-2778	0816-96-0113	06-Sep-96	NAv	Unfiltered	Actinium-228	-7.64	PCI/L	U
16-021(c)	16-2778	0816-96-0113	06-Sep-96	NAv	Unfiltered	Americium-241	-8.79	PCI/L	U
16-021(c)	16-2778	0816-96-0113	06-Sep-96	NAv	Unfiltered	Annihilation Radiation	-18.6	PCI/L	U
16-021(c)	16-2778	0816-96-0113	06-Sep-96	NAv	Unfiltered	Barium-140	22.6	PCI/L	U
16-021(c)	16-2778	0816-96-0113	06-Sep-96	NAv	Unfiltered	Bismuth-211	1.96	PCI/L	U
16-021(c)	16-2778	0816-96-0113	06-Sep-96	NAv	Unfiltered	Bismuth-212	35.3	PCI/L	U
16-021(c)	16-2778	0816-96-0113	06-Sep-96	NAv	Unfiltered	Bismuth-214	0.469	PCI/L	U
16-021(c)	16-2778	0816-96-0113	06-Sep-96	NAv	Unfiltered	Cadmium-109	42.1	PCI/L	U
16-021(c)	16-2778	0816-96-0113	06-Sep-96	NAv	Unfiltered	Cerium-139	-1.84	PCI/L	U
16-021(c)	16-2778	0816-96-0113	06-Sep-96	NAv	Unfiltered	Cerium-144	21.5	PCI/L	U
16-021(c)	16-2778	0816-96-0113	06-Sep-96	NAv	Unfiltered	Cesium-134	3.22	PCI/L	U
16-021(c)	16-2778	0816-96-0113	06-Sep-96	NAv	Unfiltered	Cesium-137	-2.27	PCI/L	U

Table I-3.0-10 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-021(c)	16-2778	0816-96-0113	06-Sep-96	NAv	Unfiltered	Cobalt-57	-0.456	PCI/L	U
16-021(c)	16-2778	0816-96-0113	06-Sep-96	NAv	Unfiltered	Cobalt-60	-2.25	PCI/L	U
16-021(c)	16-2778	0816-96-0113	06-Sep-96	NAv	Unfiltered	Europium-152	-7.38	PCI/L	U
16-021(c)	16-2778	0816-96-0113	06-Sep-96	NAv	Unfiltered	Lanthanum-140	-4830	PCI/L	U
16-021(c)	16-2778	0816-96-0113	06-Sep-96	NAv	Unfiltered	Lead-211	26.8	PCI/L	U
16-021(c)	16-2778	0816-96-0113	06-Sep-96	NAv	Unfiltered	Lead-212	9.03	PCI/L	U
16-021(c)	16-2778	0816-96-0113	06-Sep-96	NAv	Unfiltered	Lead-214	2.92	PCI/L	U
16-021(c)	16-2778	0816-96-0113	06-Sep-96	NAv	Unfiltered	Manganese-54	-3.53	PCI/L	U
16-021(c)	16-2778	0816-96-0113	06-Sep-96	NAv	Unfiltered	Mercury-203	4.97	PCI/L	U
16-021(c)	16-2778	0816-96-0113	06-Sep-96	NAv	Unfiltered	Neptunium-237	-13.9	PCI/L	U
16-021(c)	16-2778	0816-96-0113	06-Sep-96	NAv	Unfiltered	Potassium-40	-65.1	PCI/L	U
16-021(c)	16-2778	0816-96-0113	06-Sep-96	NAv	Unfiltered	Protactinium-231	97.2	PCI/L	U
16-021(c)	16-2778	0816-96-0113	06-Sep-96	NAv	Unfiltered	Protactinium-233	-0.434	PCI/L	U
16-021(c)	16-2778	0816-96-0113	06-Sep-96	NAv	Unfiltered	Protactinium-234M	-55.4	PCI/L	U
16-021(c)	16-2778	0816-96-0113	06-Sep-96	NAv	Unfiltered	Radium-223	6.68	PCI/L	U
16-021(c)	16-2778	0816-96-0113	06-Sep-96	NAv	Unfiltered	Radium-224	-123	PCI/L	U
16-021(c)	16-2778	0816-96-0113	06-Sep-96	NAv	Unfiltered	Radium-226	-37.1	PCI/L	U
16-021(c)	16-2778	0816-96-0113	06-Sep-96	NAv	Unfiltered	Radon-219	-12.7	PCI/L	U
16-021(c)	16-2778	0816-96-0113	06-Sep-96	NAv	Unfiltered	Ruthenium-106	-3.11	PCI/L	U
16-021(c)	16-2778	0816-96-0113	06-Sep-96	NAv	Unfiltered	Selenium-75	-1.73	PCI/L	U
16-021(c)	16-2778	0816-96-0113	06-Sep-96	NAv	Unfiltered	Sodium-22	-1.5	PCI/L	U
16-021(c)	16-2778	0816-96-0113	06-Sep-96	NAv	Unfiltered	Strontium-85	-11.3	PCI/L	U
16-021(c)	16-2778	0816-96-0113	06-Sep-96	NAv	Unfiltered	Thallium-208	-1.99	PCI/L	U
16-021(c)	16-2778	0816-96-0113	06-Sep-96	NAv	Unfiltered	Thorium-227	7.65	PCI/L	U
16-021(c)	16-2778	0816-96-0113	06-Sep-96	NAv	Unfiltered	Thorium-234	-158	PCI/L	U
16-021(c)	16-2778	0816-96-0113	06-Sep-96	NAv	Unfiltered	Tin-113	-0.768	PCI/L	U
16-021(c)	16-2778	0816-96-0113	06-Sep-96	NAv	Unfiltered	Uranium-235	-4.34	PCI/L	U
16-021(c)	16-2778	0816-96-0113	06-Sep-96	NAv	Unfiltered	Yttrium-88	2.19	PCI/L	U
16-021(c)	16-2778	0816-96-0113	06-Sep-96	NAv	Unfiltered	Zinc-65	-1.24	PCI/L	U

Table I-3.0-10 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-1001	AAB1597	17-Apr-90	NAv	Filtered	Americium-241	5.49	PCI/L	none
16-018	16-1001	AAB1597	17-Apr-90	NAv	Filtered	Barium-140	2870	PCI/L	none
16-018	16-1001	AAB1597	17-Apr-90	NAv	Filtered	Cerium-144	-20.1	PCI/L	none
16-018	16-1001	AAB1597	17-Apr-90	NAv	Filtered	Cesium-137	-0.301	PCI/L	none
16-018	16-1001	AAB1597	17-Apr-90	NAv	Filtered	Cobalt-60	-0.545	PCI/L	none
16-018	16-1001	AAB1597	17-Apr-90	NAv	Filtered	Europium-152	-0.714	PCI/L	none
16-018	16-1001	AAB1597	17-Apr-90	NAv	Filtered	Neptunium-237	1.87	PCI/L	none
16-018	16-1001	AAB1597	17-Apr-90	NAv	Filtered	Ruthenium-106	32.2	PCI/L	none
16-018	16-1001	AAB1597	17-Apr-90	NAv	Filtered	Sodium-22	1.3	PCI/L	none
16-018	16-1003	AAB1599	17-Apr-90	NAv	Filtered	Americium-241	19.4	PCI/L	U
16-018	16-1003	AAB1599	17-Apr-90	NAv	Filtered	Cerium-144	37.9	PCI/L	U
16-018	16-1003	AAB1599	17-Apr-90	NAv	Filtered	Cesium-134	5.563	PCI/L	U
16-018	16-1003	AAB1599	17-Apr-90	NAv	Filtered	Cesium-137	5.3	PCI/L	U
16-018	16-1003	AAB1599	17-Apr-90	NAv	Filtered	Cobalt-57	4.816	PCI/L	U
16-018	16-1003	AAB1599	17-Apr-90	NAv	Filtered	Cobalt-60	5.679	PCI/L	U
16-018	16-1003	AAB1599	17-Apr-90	NAv	Filtered	Manganese-54	6.313	PCI/L	U
16-018	16-1003	AAB1599	17-Apr-90	NAv	Filtered	Ruthenium-106	369.7	PCI/L	U
16-018	16-1003	AAB1599	17-Apr-90	NAv	Filtered	Sodium-22	5.947	PCI/L	U
16-018	16-1003	AAB1599	17-Apr-90	NAv	Filtered	Thorium-227	554.1	PCI/L	U
16-018	16-1003	AAB1599	17-Apr-90	NAv	Filtered	Thorium-234	179.2	PCI/L	U
16-018	16-1004	AAB1600	17-Apr-90	NAv	Filtered	Americium-241	-12.3	PCI/L	none
16-018	16-1004	AAB1600	17-Apr-90	NAv	Filtered	Barium-140	7720	PCI/L	none
16-018	16-1004	AAB1600	17-Apr-90	NAv	Filtered	Cerium-144	13.2	PCI/L	none
16-018	16-1004	AAB1600	17-Apr-90	NAv	Filtered	Cesium-137	1.88	PCI/L	none
16-018	16-1004	AAB1600	17-Apr-90	NAv	Filtered	Cobalt-60	0.447	PCI/L	none
16-018	16-1004	AAB1600	17-Apr-90	NAv	Filtered	Europium-152	-5.78	PCI/L	none
16-018	16-1004	AAB1600	17-Apr-90	NAv	Filtered	Neptunium-237	2.04	PCI/L	none
16-018	16-1004	AAB1600	17-Apr-90	NAv	Filtered	Ruthenium-106	18.3	PCI/L	none
16-018	16-1004	AAB1600	17-Apr-90	NAv	Filtered	Sodium-22	-1.74	PCI/L	none

Table I-3.0-10 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-1005	AAB1601	17-Apr-90	NAv	Filtered	Americium-241	14.17	PCI/L	U
16-018	16-1005	AAB1601	17-Apr-90	NAv	Filtered	Americium-241	9.796	PCI/L	U
16-018	16-1005	AAB1601	17-Apr-90	NAv	Filtered	Cerium-144	33.15	PCI/L	U
16-018	16-1005	AAB1601	17-Apr-90	NAv	Filtered	Cesium-134	5.092	PCI/L	U
16-018	16-1005	AAB1601	17-Apr-90	NAv	Filtered	Cesium-134	3.69	PCI/L	U
16-018	16-1005	AAB1601	17-Apr-90	NAv	Filtered	Cesium-137	5.065	PCI/L	U
16-018	16-1005	AAB1601	17-Apr-90	NAv	Filtered	Cesium-137	3.231	PCI/L	U
16-018	16-1005	AAB1601	17-Apr-90	NAv	Filtered	Cobalt-57	2.633	PCI/L	U
16-018	16-1005	AAB1601	17-Apr-90	NAv	Filtered	Cobalt-57	4.307	PCI/L	U
16-018	16-1005	AAB1601	17-Apr-90	NAv	Filtered	Cobalt-60	5.519	PCI/L	U
16-018	16-1005	AAB1601	17-Apr-90	NAv	Filtered	Cobalt-60	4.249	PCI/L	U
16-018	16-1005	AAB1601	17-Apr-90	NAv	Filtered	Manganese-54	3.905	PCI/L	U
16-018	16-1005	AAB1601	17-Apr-90	NAv	Filtered	Manganese-54	5.696	PCI/L	U
16-018	16-1005	AAB1601	17-Apr-90	NAv	Filtered	Ruthenium-106	347.4	PCI/L	U
16-018	16-1005	AAB1601	17-Apr-90	NAv	Filtered	Sodium-22	5.354	PCI/L	U
16-018	16-1005	AAB1601	17-Apr-90	NAv	Filtered	Sodium-22	4.042	PCI/L	U
16-018	16-1005	AAB1601	17-Apr-90	NAv	Filtered	Thorium-227	479.5	PCI/L	U
16-018	16-1005	AAB1601	17-Apr-90	NAv	Filtered	Thorium-234	136.5	PCI/L	U
16-018	16-1006	AAB1602	17-Apr-90	NAv	Filtered	Americium-241	10.04	PCI/L	U
16-018	16-1006	AAB1602	17-Apr-90	NAv	Filtered	Cerium-144	20.58	PCI/L	U
16-018	16-1006	AAB1602	17-Apr-90	NAv	Filtered	Cesium-134	3.565	PCI/L	U
16-018	16-1006	AAB1602	17-Apr-90	NAv	Filtered	Cesium-137	3.58	PCI/L	U
16-018	16-1006	AAB1602	17-Apr-90	NAv	Filtered	Cobalt-57	2.557	PCI/L	U
16-018	16-1006	AAB1602	17-Apr-90	NAv	Filtered	Cobalt-60	4.309	PCI/L	U
16-018	16-1006	AAB1602	17-Apr-90	NAv	Filtered	Manganese-54	3.745	PCI/L	U
16-018	16-1006	AAB1602	17-Apr-90	NAv	Filtered	Ruthenium-106	255.5	PCI/L	U
16-018	16-1006	AAB1602	17-Apr-90	NAv	Filtered	Sodium-22	4.058	PCI/L	U
16-018	16-1006	AAB1602	17-Apr-90	NAv	Filtered	Thorium-227	317.4	PCI/L	U
16-018	16-1006	AAB1602	17-Apr-90	NAv	Filtered	Thorium-234	107.5	PCI/L	U

Table I-3.0-10 (concluded)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-1001	AAB1603	17-Apr-90	NAv	Unfiltered	Americium-241	4.22	PCI/L	none
16-018	16-1001	AAB1603	17-Apr-90	NAv	Unfiltered	Barium-140	406	PCI/L	none
16-018	16-1001	AAB1603	17-Apr-90	NAv	Unfiltered	Cerium-144	-4.58	PCI/L	none
16-018	16-1001	AAB1603	17-Apr-90	NAv	Unfiltered	Cesium-137	-0.985	PCI/L	none
16-018	16-1001	AAB1603	17-Apr-90	NAv	Unfiltered	Cobalt-60	-0.649	PCI/L	none
16-018	16-1001	AAB1603	17-Apr-90	NAv	Unfiltered	Europium-152	-1.78	PCI/L	none
16-018	16-1001	AAB1603	17-Apr-90	NAv	Unfiltered	Neptunium-237	-0.56	PCI/L	none
16-018	16-1001	AAB1603	17-Apr-90	NAv	Unfiltered	Ruthenium-106	-20.2	PCI/L	none
16-018	16-1001	AAB1603	17-Apr-90	NAv	Unfiltered	Sodium-22	0.018	PCI/L	none
16-018	16-1005	AAB1607	17-Apr-90	NAv	Unfiltered	Americium-241	2.69	PCI/L	none
16-018	16-1005	AAB1607	17-Apr-90	NAv	Unfiltered	Barium-140	2430	PCI/L	none
16-018	16-1005	AAB1607	17-Apr-90	NAv	Unfiltered	Cerium-144	9.6	PCI/L	none
16-018	16-1005	AAB1607	17-Apr-90	NAv	Unfiltered	Cesium-137	-1.53	PCI/L	none
16-018	16-1005	AAB1607	17-Apr-90	NAv	Unfiltered	Cobalt-60	0.262	PCI/L	none
16-018	16-1005	AAB1607	17-Apr-90	NAv	Unfiltered	Europium-152	-5.23	PCI/L	none
16-018	16-1005	AAB1607	17-Apr-90	NAv	Unfiltered	Neptunium-237	-0.734	PCI/L	none
16-018	16-1005	AAB1607	17-Apr-90	NAv	Unfiltered	Ruthenium-106	-16.2	PCI/L	none
16-018	16-1005	AAB1607	17-Apr-90	NAv	Unfiltered	Sodium-22	0.272	PCI/L	none
16-018	16-1006	AAB1608	17-Apr-90	NAv	Unfiltered	Americium-241	2.7	PCI/L	none
16-018	16-1006	AAB1608	17-Apr-90	NAv	Unfiltered	Barium-140	1050	PCI/L	none
16-018	16-1006	AAB1608	17-Apr-90	NAv	Unfiltered	Cerium-144	-18	PCI/L	none
16-018	16-1006	AAB1608	17-Apr-90	NAv	Unfiltered	Cesium-137	-0.551	PCI/L	none
16-018	16-1006	AAB1608	17-Apr-90	NAv	Unfiltered	Cobalt-60	1.71	PCI/L	none
16-018	16-1006	AAB1608	17-Apr-90	NAv	Unfiltered	Europium-152	4.36	PCI/L	none
16-018	16-1006	AAB1608	17-Apr-90	NAv	Unfiltered	Neptunium-237	0.712	PCI/L	none
16-018	16-1006	AAB1608	17-Apr-90	NAv	Unfiltered	Ruthenium-106	-9.35	PCI/L	none
16-018	16-1006	AAB1608	17-Apr-90	NAv	Unfiltered	Sodium-22	1.61	PCI/L	none

[a] Nav = Not Available

Table I-3.0-11

High Explosive Chemicals in Surface Water Samples

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	Amino-2,6-dinitrotoluene[4-]	0.054	UG/L	none
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	Amino-4,6-dinitrotoluene[2-]	0.049	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	Dinitrobenzene[1,3-]	0.048	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	Dinitrotoluene[2,4-]	0.036	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	Dinitrotoluene[2,6-]	0.048	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	HMX	0.209	UG/L	none
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	Nitrobenzene	0.054	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	Nitrotoluene[2-]	0.095	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	Nitrotoluene[3-]	0.104	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	Nitrotoluene[4-]	0.096	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	RDX	0.324	UG/L	none
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	Tetryl	0.055	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	Trinitrobenzene[1,3,5-]	0.048	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	Trinitrotoluene[2,4,6-]	0.05	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	Amino-2,6-dinitrotoluene[4-]	0.196	UG/L	none
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	Amino-4,6-dinitrotoluene[2-]	0.095	UG/L	none
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	Dinitrobenzene[1,3-]	0.048	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	Dinitrotoluene[2,4-]	0.036	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	Dinitrotoluene[2,6-]	0.048	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	HMX	75.5	UG/L	none
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	Nitrobenzene	0.054	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	Nitrotoluene[2-]	0.095	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	Nitrotoluene[3-]	0.104	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	Nitrotoluene[4-]	0.096	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	RDX	20.6	UG/L	none
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	Tetryl	0.055	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	Trinitrobenzene[1,3,5-]	0.048	UG/L	U

Table I-3.0-11 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	Trinitrotoluene[2,4,6-]	0.05	UG/L	U
16-021(c)	16-2670	0316-97-0450	15-Dec-97	WSF	Filtered	Amino-2,6-dinitrotoluene[4-]	4.6	UG/L	none
16-021(c)	16-2670	0316-97-0450	15-Dec-97	WSF	Filtered	Dinitrobenzene[1,3-]	0.2	UG/L	U
16-021(c)	16-2670	0316-97-0450	15-Dec-97	WSF	Filtered	Dinitrotoluene[2,4-]	0.2	UG/L	U
16-021(c)	16-2670	0316-97-0450	15-Dec-97	WSF	Filtered	Dinitrotoluene[2,6-]	0.2	UG/L	U
16-021(c)	16-2670	0316-97-0450	15-Dec-97	WSF	Filtered	HMX	27	UG/L	none
16-021(c)	16-2670	0316-97-0450	15-Dec-97	WSF	Filtered	Nitrobenzene	0.2	UG/L	U
16-021(c)	16-2670	0316-97-0450	15-Dec-97	WSF	Filtered	Nitrotoluene[2-]	0.78	UG/L	U
16-021(c)	16-2670	0316-97-0450	15-Dec-97	WSF	Filtered	Nitrotoluene[3-]	0.78	UG/L	U
16-021(c)	16-2670	0316-97-0450	15-Dec-97	WSF	Filtered	Nitrotoluene[4-]	2.3	UG/L	U
16-021(c)	16-2670	0316-97-0450	15-Dec-97	WSF	Filtered	RDX	40	UG/L	none
16-021(c)	16-2670	0316-97-0450	15-Dec-97	WSF	Filtered	Tetryl	0.58	UG/L	U
16-021(c)	16-2670	0316-97-0450	15-Dec-97	WSF	Filtered	Trinitrobenzene[1,3,5-]	0.2	UG/L	U
16-021(c)	16-2670	0316-97-0450	15-Dec-97	WSF	Filtered	Trinitrotoluene[2,4,6-]	0.2	UG/L	U
16-021(c)	16-2671	0316-97-0451	15-Dec-97	WSF	Filtered	Amino-2,6-dinitrotoluene[4-]	4.9	UG/L	none
16-021(c)	16-2671	0316-97-0451	15-Dec-97	WSF	Filtered	Dinitrobenzene[1,3-]	0.2	UG/L	U
16-021(c)	16-2671	0316-97-0451	15-Dec-97	WSF	Filtered	Dinitrotoluene[2,4-]	0.2	UG/L	U
16-021(c)	16-2671	0316-97-0451	15-Dec-97	WSF	Filtered	Dinitrotoluene[2,6-]	0.2	UG/L	U
16-021(c)	16-2671	0316-97-0451	15-Dec-97	WSF	Filtered	HMX	40	UG/L	none
16-021(c)	16-2671	0316-97-0451	15-Dec-97	WSF	Filtered	Nitrobenzene	0.2	UG/L	U
16-021(c)	16-2671	0316-97-0451	15-Dec-97	WSF	Filtered	Nitrotoluene[2-]	0.78	UG/L	U
16-021(c)	16-2671	0316-97-0451	15-Dec-97	WSF	Filtered	Nitrotoluene[3-]	0.78	UG/L	U
16-021(c)	16-2671	0316-97-0451	15-Dec-97	WSF	Filtered	Nitrotoluene[4-]	2.3	UG/L	U
16-021(c)	16-2671	0316-97-0451	15-Dec-97	WSF	Filtered	RDX	54	UG/L	none
16-021(c)	16-2671	0316-97-0451	15-Dec-97	WSF	Filtered	Tetryl	0.58	UG/L	U
16-021(c)	16-2671	0316-97-0451	15-Dec-97	WSF	Filtered	Trinitrobenzene[1,3,5-]	0.2	UG/L	U
16-021(c)	16-2671	0316-97-0451	15-Dec-97	WSF	Filtered	Trinitrotoluene[2,4,6-]	0.2	UG/L	U
16-021(c)	16-2675	0316-97-0455	6-Jan-98	WSF	Filtered	Amino-2,6-dinitrotoluene[4-]	0.45	UG/L	none

Table I-3.0-11 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-021(c)	16-2675	0316-97-0455	6-Jan-98	WSF	Filtered	Dinitrobenzene[1,3-]	0.2	UG/L	U
16-021(c)	16-2675	0316-97-0455	6-Jan-98	WSF	Filtered	Dinitrotoluene[2,4-]	0.2	UG/L	U
16-021(c)	16-2675	0316-97-0455	6-Jan-98	WSF	Filtered	Dinitrotoluene[2,6-]	0.2	UG/L	U
16-021(c)	16-2675	0316-97-0455	6-Jan-98	WSF	Filtered	HMX	1.7	UG/L	U
16-021(c)	16-2675	0316-97-0455	6-Jan-98	WSF	Filtered	Nitrobenzene	0.5	UG/L	none
16-021(c)	16-2675	0316-97-0455	6-Jan-98	WSF	Filtered	Nitrotoluene[2-]	0.78	UG/L	U
16-021(c)	16-2675	0316-97-0455	6-Jan-98	WSF	Filtered	Nitrotoluene[3-]	0.78	UG/L	U
16-021(c)	16-2675	0316-97-0455	6-Jan-98	WSF	Filtered	Nitrotoluene[4-]	2.3	UG/L	U
16-021(c)	16-2675	0316-97-0455	6-Jan-98	WSF	Filtered	RDX	0.87	UG/L	U
16-021(c)	16-2675	0316-97-0455	6-Jan-98	WSF	Filtered	Tetryl	0.58	UG/L	U
16-021(c)	16-2675	0316-97-0455	6-Jan-98	WSF	Filtered	Trinitrobenzene[1,3,5-]	0.2	UG/L	U
16-021(c)	16-2675	0316-97-0455	6-Jan-98	WSF	Filtered	Trinitrotoluene[2,4,6-]	1.8	UG/L	none
16-021(c)	16-2670	0316-97-0460	15-Dec-97	WSF	Unfiltered	Amino-2,6-dinitrotoluene[4-]	4.9	UG/L	none
16-021(c)	16-2670	0316-97-0460	15-Dec-97	WSF	Unfiltered	Dinitrobenzene[1,3-]	0.2	UG/L	U
16-021(c)	16-2670	0316-97-0460	15-Dec-97	WSF	Unfiltered	Dinitrotoluene[2,4-]	0.2	UG/L	U
16-021(c)	16-2670	0316-97-0460	15-Dec-97	WSF	Unfiltered	Dinitrotoluene[2,6-]	0.2	UG/L	U
16-021(c)	16-2670	0316-97-0460	15-Dec-97	WSF	Unfiltered	HMX	28	UG/L	none
16-021(c)	16-2670	0316-97-0460	15-Dec-97	WSF	Unfiltered	Nitrobenzene	0.2	UG/L	U
16-021(c)	16-2670	0316-97-0460	15-Dec-97	WSF	Unfiltered	Nitrotoluene[2-]	0.78	UG/L	U
16-021(c)	16-2670	0316-97-0460	15-Dec-97	WSF	Unfiltered	Nitrotoluene[3-]	0.78	UG/L	U
16-021(c)	16-2670	0316-97-0460	15-Dec-97	WSF	Unfiltered	Nitrotoluene[4-]	2.3	UG/L	U
16-021(c)	16-2670	0316-97-0460	15-Dec-97	WSF	Unfiltered	RDX	41	UG/L	none
16-021(c)	16-2670	0316-97-0460	15-Dec-97	WSF	Unfiltered	Tetryl	0.58	UG/L	U
16-021(c)	16-2670	0316-97-0460	15-Dec-97	WSF	Unfiltered	Trinitrobenzene[1,3,5-]	0.2	UG/L	U
16-021(c)	16-2670	0316-97-0460	15-Dec-97	WSF	Unfiltered	Trinitrotoluene[2,4,6-]	0.2	UG/L	U
16-021(c)	16-2671	0316-97-0461	15-Dec-97	WSF	Unfiltered	Amino-2,6-dinitrotoluene[4-]	4.7	UG/L	none
16-021(c)	16-2671	0316-97-0461	15-Dec-97	WSF	Unfiltered	Dinitrobenzene[1,3-]	0.2	UG/L	U
16-021(c)	16-2671	0316-97-0461	15-Dec-97	WSF	Unfiltered	Dinitrotoluene[2,4-]	0.2	UG/L	U
16-021(c)	16-2671	0316-97-0461	15-Dec-97	WSF	Unfiltered	Dinitrotoluene[2,6-]	0.2	UG/L	U

Table I-3.0-11 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-021(c)	16-2671	0316-97-0461	15-Dec-97	WSF	Unfiltered	HMX	44	UG/L	none
16-021(c)	16-2671	0316-97-0461	15-Dec-97	WSF	Unfiltered	Nitrobenzene	0.2	UG/L	U
16-021(c)	16-2671	0316-97-0461	15-Dec-97	WSF	Unfiltered	Nitrotoluene[2-]	0.78	UG/L	U
16-021(c)	16-2671	0316-97-0461	15-Dec-97	WSF	Unfiltered	Nitrotoluene[3-]	0.78	UG/L	U
16-021(c)	16-2671	0316-97-0461	15-Dec-97	WSF	Unfiltered	Nitrotoluene[4-]	2.3	UG/L	U
16-021(c)	16-2671	0316-97-0461	15-Dec-97	WSF	Unfiltered	RDX	56	UG/L	none
16-021(c)	16-2671	0316-97-0461	15-Dec-97	WSF	Unfiltered	Tetryl	0.58	UG/L	U
16-021(c)	16-2671	0316-97-0461	15-Dec-97	WSF	Unfiltered	Trinitrobenzene[1,3,5-]	0.2	UG/L	U
16-021(c)	16-2671	0316-97-0461	15-Dec-97	WSF	Unfiltered	Trinitrotoluene[2,4,6-]	0.2	UG/L	U
16-021(c)	16-2675	0316-97-0465	6-Jan-98	WSF	Unfiltered	Amino-2,6-dinitrotoluene[4-]	1.1	UG/L	none
16-021(c)	16-2675	0316-97-0465	6-Jan-98	WSF	Unfiltered	Dinitrobenzene[1,3-]	0.2	UG/L	none
16-021(c)	16-2675	0316-97-0465	6-Jan-98	WSF	Unfiltered	Dinitrotoluene[2,4-]	0.2	UG/L	none
16-021(c)	16-2675	0316-97-0465	6-Jan-98	WSF	Unfiltered	Dinitrotoluene[2,6-]	0.2	UG/L	none
16-021(c)	16-2675	0316-97-0465	6-Jan-98	WSF	Unfiltered	HMX	1.7	UG/L	none
16-021(c)	16-2675	0316-97-0465	6-Jan-98	WSF	Unfiltered	Nitrobenzene	0.53	UG/L	none
16-021(c)	16-2675	0316-97-0465	6-Jan-98	WSF	Unfiltered	Nitrotoluene[2-]	0.78	UG/L	none
16-021(c)	16-2675	0316-97-0465	6-Jan-98	WSF	Unfiltered	Nitrotoluene[3-]	0.78	UG/L	none
16-021(c)	16-2675	0316-97-0465	6-Jan-98	WSF	Unfiltered	Nitrotoluene[4-]	2.3	UG/L	none
16-021(c)	16-2675	0316-97-0465	6-Jan-98	WSF	Unfiltered	RDX	0.87	UG/L	none
16-021(c)	16-2675	0316-97-0465	6-Jan-98	WSF	Unfiltered	Tetryl	0.58	UG/L	none
16-021(c)	16-2675	0316-97-0465	6-Jan-98	WSF	Unfiltered	Trinitrobenzene[1,3,5-]	0.2	UG/L	none
16-021(c)	16-2675	0316-97-0465	6-Jan-98	WSF	Unfiltered	Trinitrotoluene[2,4,6-]	0.2	UG/L	none
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	Amino-4,6-dinitrotoluene[2-]	27	UG/L	none
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	Dinitrobenzene[1,3-]	2.9	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	Dinitrotoluene[2,4-]	2.9	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	Dinitrotoluene[2,6-]	3	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	HMX	47	UG/L	none
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	Nitrobenzene	3	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	RDX	190	UG/L	none

Table I-3.0-11 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	Tetryl	8.7	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	Trinitrobenzene[1,3,5-]	2.9	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	Trinitrotoluene[2,4,6-]	2.9	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	Amino-2,6-dinitrotoluene[4-]	2.5	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	Amino-4,6-dinitrotoluene[2-]	2.5	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	Dinitrobenzene[1,3-]	2.5	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	Dinitrotoluene[2,4-]	2.5	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	Dinitrotoluene[2,6-]	2.5	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	HMX	52	UG/L	none
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	Nitrobenzene	10	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	Nitrotoluene[2-]	10	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	Nitrotoluene[3-]	10	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	Nitrotoluene[4-]	10	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	RDX	77	UG/L	none
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	Tetryl	10	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	Trinitrobenzene[1,3,5-]	2.6	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	Trinitrotoluene[2,4,6-]	2.5	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	Amino-2,6-dinitrotoluene[4-]	0.39	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	Dinitrobenzene[1,3-]	0.2	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	Dinitrotoluene[2,4-]	0.2	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	Dinitrotoluene[2,6-]	0.2	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	HMX	1.7	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	Nitrobenzene	0.2	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	Nitrotoluene[2-]	0.78	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	Nitrotoluene[3-]	0.78	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	Nitrotoluene[4-]	2.3	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	RDX	0.87	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	Tetryl	0.58	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	Trinitrobenzene[1,3,5-]	0.2	UG/L	U

Table I-3.0-11 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	Trinitrotoluene[2,4,6-]	0.2	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	Amino-2,6-dinitrotoluene[4-]	0.39	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	Dinitrobenzene[1,3-]	0.2	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	Dinitrotoluene[2,4-]	0.2	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	Dinitrotoluene[2,6-]	0.2	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	HMX	1.7	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	Nitrobenzene	0.2	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	Nitrotoluene[2-]	0.78	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	Nitrotoluene[3-]	0.78	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	Nitrotoluene[4-]	2.3	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	RDX	0.87	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	Tetryl	0.58	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	Trinitrobenzene[1,3,5-]	0.2	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	Trinitrotoluene[2,4,6-]	0.2	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	Not Available	Unfiltered	Amino-2,6-dinitrotoluene[4-]	19	UG/L	none
16-021(c)	16-2747	0816-96-0047	28-Jun-96	Not Available	Unfiltered	Amino-4,6-dinitrotoluene[2-]	27	UG/L	none
16-021(c)	16-2747	0816-96-0047	28-Jun-96	Not Available	Unfiltered	Dinitrobenzene[1,3-]	1.3	UG/L	UJ
16-021(c)	16-2747	0816-96-0047	28-Jun-96	Not Available	Unfiltered	Dinitrotoluene[2,4-]	1.3	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	Not Available	Unfiltered	Dinitrotoluene[2,6-]	1.3	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	Not Available	Unfiltered	HMX	160	UG/L	J-
16-021(c)	16-2747	0816-96-0047	28-Jun-96	Not Available	Unfiltered	Nitrobenzene	5	UG/L	UJ
16-021(c)	16-2747	0816-96-0047	28-Jun-96	Not Available	Unfiltered	Nitrotoluene[2-]	5	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	Not Available	Unfiltered	Nitrotoluene[3-]	5	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	Not Available	Unfiltered	Nitrotoluene[4-]	5	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	Not Available	Unfiltered	RDX	780	UG/L	J-
16-021(c)	16-2747	0816-96-0047	28-Jun-96	Not Available	Unfiltered	Tetryl	5	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	Not Available	Unfiltered	Trinitrobenzene[1,3,5-]	1.3	UG/L	UJ
16-021(c)	16-2747	0816-96-0047	28-Jun-96	Not Available	Unfiltered	Trinitrotoluene[2,4,6-]	1.3	UG/L	UJ
16-021(c)	16-2748	0816-96-0048	28-Jun-96	Not Available	Unfiltered	Amino-2,6-dinitrotoluene[4-]	12	UG/L	none

Table I-3.0-11 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-021(c)	16-2748	0816-96-0048	28-Jun-96	Not Available	Unfiltered	Amino-4,6-dinitrotoluene[2-]	8.2	UG/L	none
16-021(c)	16-2748	0816-96-0048	28-Jun-96	Not Available	Unfiltered	Dinitrobenzene[1,3-]	1.3	UG/L	UJ
16-021(c)	16-2748	0816-96-0048	28-Jun-96	Not Available	Unfiltered	Dinitrotoluene[2,4-]	1.3	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	Not Available	Unfiltered	Dinitrotoluene[2,6-]	1.3	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	Not Available	Unfiltered	HMX	160	UG/L	J-
16-021(c)	16-2748	0816-96-0048	28-Jun-96	Not Available	Unfiltered	Nitrobenzene	5	UG/L	UJ
16-021(c)	16-2748	0816-96-0048	28-Jun-96	Not Available	Unfiltered	Nitrotoluene[2-]	5	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	Not Available	Unfiltered	Nitrotoluene[3-]	5	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	Not Available	Unfiltered	Nitrotoluene[4-]	5	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	Not Available	Unfiltered	RDX	500	UG/L	J-
16-021(c)	16-2748	0816-96-0048	28-Jun-96	Not Available	Unfiltered	Tetryl	5	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	Not Available	Unfiltered	Trinitrobenzene[1,3,5-]	1.3	UG/L	UJ
16-021(c)	16-2748	0816-96-0048	28-Jun-96	Not Available	Unfiltered	Trinitrotoluene[2,4,6-]	1.3	UG/L	UJ
16-021(c)	16-2757	0816-96-0091	6-Sep-96	Not Available	Unfiltered	Amino-2,6-dinitrotoluene[4-]	42	UG/L	J-
16-021(c)	16-2757	0816-96-0091	6-Sep-96	Not Available	Unfiltered	Amino-4,6-dinitrotoluene[2-]	34.5	UG/L	J-
16-021(c)	16-2757	0816-96-0091	6-Sep-96	Not Available	Unfiltered	Dinitrobenzene[1,3-]	0.048	UG/L	R
16-021(c)	16-2757	0816-96-0091	6-Sep-96	Not Available	Unfiltered	Dinitrotoluene[2,4-]	0.192	UG/L	J-
16-021(c)	16-2757	0816-96-0091	6-Sep-96	Not Available	Unfiltered	Dinitrotoluene[2,6-]	0.048	UG/L	R
16-021(c)	16-2757	0816-96-0091	6-Sep-96	Not Available	Unfiltered	HMX	124	UG/L	J-
16-021(c)	16-2757	0816-96-0091	6-Sep-96	Not Available	Unfiltered	Nitrobenzene	0.051	UG/L	R
16-021(c)	16-2757	0816-96-0091	6-Sep-96	Not Available	Unfiltered	Nitrotoluene[2-]	1.12	UG/L	J-
16-021(c)	16-2757	0816-96-0091	6-Sep-96	Not Available	Unfiltered	Nitrotoluene[3-]	0.105	UG/L	R
16-021(c)	16-2757	0816-96-0091	6-Sep-96	Not Available	Unfiltered	Nitrotoluene[4-]	0.106	UG/L	R
16-021(c)	16-2757	0816-96-0091	6-Sep-96	Not Available	Unfiltered	RDX	790	UG/L	J-
16-021(c)	16-2757	0816-96-0091	6-Sep-96	Not Available	Unfiltered	Tetryl	0.055	UG/L	R
16-021(c)	16-2757	0816-96-0091	6-Sep-96	Not Available	Unfiltered	Trinitrobenzene[1,3,5-]	0.047	UG/L	R
16-021(c)	16-2757	0816-96-0091	6-Sep-96	Not Available	Unfiltered	Trinitrotoluene[2,4,6-]	0.277	UG/L	J-
16-021(c)	16-2758	0816-96-0092	6-Sep-96	Not Available	Unfiltered	Amino-2,6-dinitrotoluene[4-]	48.8	UG/L	J-
16-021(c)	16-2758	0816-96-0092	6-Sep-96	Not Available	Unfiltered	Amino-4,6-dinitrotoluene[2-]	40.7	UG/L	J-

Table I-3.0-11 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-021(c)	16-2758	0816-96-0092	6-Sep-96	Not Available	Unfiltered	Dinitrobenzene[1,3-]	0.048	UG/L	R
16-021(c)	16-2758	0816-96-0092	6-Sep-96	Not Available	Unfiltered	Dinitrotoluene[2,4-]	0.324	UG/L	J-
16-021(c)	16-2758	0816-96-0092	6-Sep-96	Not Available	Unfiltered	Dinitrotoluene[2,6-]	0.048	UG/L	R
16-021(c)	16-2758	0816-96-0092	6-Sep-96	Not Available	Unfiltered	HMX	119	UG/L	J-
16-021(c)	16-2758	0816-96-0092	6-Sep-96	Not Available	Unfiltered	Nitrobenzene	0.051	UG/L	R
16-021(c)	16-2758	0816-96-0092	6-Sep-96	Not Available	Unfiltered	Nitrotoluene[2-]	2.28	UG/L	J-
16-021(c)	16-2758	0816-96-0092	6-Sep-96	Not Available	Unfiltered	Nitrotoluene[3-]	0.212	UG/L	R
16-021(c)	16-2758	0816-96-0092	6-Sep-96	Not Available	Unfiltered	Nitrotoluene[4-]	0.106	UG/L	R
16-021(c)	16-2758	0816-96-0092	6-Sep-96	Not Available	Unfiltered	RDX	765	UG/L	J-
16-021(c)	16-2758	0816-96-0092	6-Sep-96	Not Available	Unfiltered	Tetryl	0.055	UG/L	R
16-021(c)	16-2758	0816-96-0092	6-Sep-96	Not Available	Unfiltered	Trinitrobenzene[1,3,5-]	0.047	UG/L	R
16-021(c)	16-2758	0816-96-0092	6-Sep-96	Not Available	Unfiltered	Trinitrotoluene[2,4,6-]	3.49	UG/L	J-
16-021(c)	16-2759	0816-96-0093	6-Sep-96	Not Available	Unfiltered	Amino-2,6-dinitrotoluene[4-]	53.2	UG/L	J-
16-021(c)	16-2759	0816-96-0093	6-Sep-96	Not Available	Unfiltered	Amino-4,6-dinitrotoluene[2-]	43.2	UG/L	J-
16-021(c)	16-2759	0816-96-0093	6-Sep-96	Not Available	Unfiltered	Dinitrobenzene[1,3-]	0.048	UG/L	R
16-021(c)	16-2759	0816-96-0093	6-Sep-96	Not Available	Unfiltered	Dinitrotoluene[2,4-]	0.315	UG/L	J-
16-021(c)	16-2759	0816-96-0093	6-Sep-96	Not Available	Unfiltered	Dinitrotoluene[2,6-]	0.048	UG/L	R
16-021(c)	16-2759	0816-96-0093	6-Sep-96	Not Available	Unfiltered	HMX	123	UG/L	J-
16-021(c)	16-2759	0816-96-0093	6-Sep-96	Not Available	Unfiltered	Nitrobenzene	0.051	UG/L	R
16-021(c)	16-2759	0816-96-0093	6-Sep-96	Not Available	Unfiltered	Nitrotoluene[2-]	0.088	UG/L	R
16-021(c)	16-2759	0816-96-0093	6-Sep-96	Not Available	Unfiltered	Nitrotoluene[3-]	0.212	UG/L	R
16-021(c)	16-2759	0816-96-0093	6-Sep-96	Not Available	Unfiltered	Nitrotoluene[4-]	0.106	UG/L	R
16-021(c)	16-2759	0816-96-0093	6-Sep-96	Not Available	Unfiltered	RDX	818	UG/L	J-
16-021(c)	16-2759	0816-96-0093	6-Sep-96	Not Available	Unfiltered	Tetryl	0.055	UG/L	R
16-021(c)	16-2759	0816-96-0093	6-Sep-96	Not Available	Unfiltered	Trinitrobenzene[1,3,5-]	0.207	UG/L	J-
16-021(c)	16-2759	0816-96-0093	6-Sep-96	Not Available	Unfiltered	Trinitrotoluene[2,4,6-]	7.41	UG/L	J-
16-021(c)	16-2760	0816-96-0094	6-Sep-96	Not Available	Unfiltered	Amino-2,6-dinitrotoluene[4-]	17.6	UG/L	J-
16-021(c)	16-2760	0816-96-0094	6-Sep-96	Not Available	Unfiltered	Amino-4,6-dinitrotoluene[2-]	14.4	UG/L	J-
16-021(c)	16-2760	0816-96-0094	6-Sep-96	Not Available	Unfiltered	Dinitrobenzene[1,3-]	0.048	UG/L	R

Table I-3.0-11 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-021(c)	16-2760	0816-96-0094	6-Sep-96	Not Available	Unfiltered	Dinitrotoluene[2,4-]	0.116	UG/L	J-
16-021(c)	16-2760	0816-96-0094	6-Sep-96	Not Available	Unfiltered	Dinitrotoluene[2,6-]	0.048	UG/L	R
16-021(c)	16-2760	0816-96-0094	6-Sep-96	Not Available	Unfiltered	HMX	43.6	UG/L	J-
16-021(c)	16-2760	0816-96-0094	6-Sep-96	Not Available	Unfiltered	Nitrobenzene	0.051	UG/L	R
16-021(c)	16-2760	0816-96-0094	6-Sep-96	Not Available	Unfiltered	Nitrotoluene[2-]	0.851	UG/L	J-
16-021(c)	16-2760	0816-96-0094	6-Sep-96	Not Available	Unfiltered	Nitrotoluene[3-]	0.105	UG/L	R
16-021(c)	16-2760	0816-96-0094	6-Sep-96	Not Available	Unfiltered	Nitrotoluene[4-]	0.106	UG/L	R
16-021(c)	16-2760	0816-96-0094	6-Sep-96	Not Available	Unfiltered	RDX	290	UG/L	J-
16-021(c)	16-2760	0816-96-0094	6-Sep-96	Not Available	Unfiltered	Tetryl	0.055	UG/L	R
16-021(c)	16-2760	0816-96-0094	6-Sep-96	Not Available	Unfiltered	Trinitrobenzene[1,3,5-]	0.047	UG/L	R
16-021(c)	16-2760	0816-96-0094	6-Sep-96	Not Available	Unfiltered	Trinitrotoluene[2,4,6-]	0.697	UG/L	J-
16-021(c)	16-2761	0816-96-0095	6-Sep-96	Not Available	Unfiltered	Amino-2,6-dinitrotoluene[4-]	16.6	UG/L	J-
16-021(c)	16-2761	0816-96-0095	6-Sep-96	Not Available	Unfiltered	Amino-4,6-dinitrotoluene[2-]	13.7	UG/L	J-
16-021(c)	16-2761	0816-96-0095	6-Sep-96	Not Available	Unfiltered	Dinitrobenzene[1,3-]	0.048	UG/L	R
16-021(c)	16-2761	0816-96-0095	6-Sep-96	Not Available	Unfiltered	Dinitrotoluene[2,4-]	0.104	UG/L	J-
16-021(c)	16-2761	0816-96-0095	6-Sep-96	Not Available	Unfiltered	Dinitrotoluene[2,6-]	0.048	UG/L	R
16-021(c)	16-2761	0816-96-0095	6-Sep-96	Not Available	Unfiltered	HMX	42.3	UG/L	J-
16-021(c)	16-2761	0816-96-0095	6-Sep-96	Not Available	Unfiltered	Nitrobenzene	0.051	UG/L	R
16-021(c)	16-2761	0816-96-0095	6-Sep-96	Not Available	Unfiltered	Nitrotoluene[2-]	0.402	UG/L	J-
16-021(c)	16-2761	0816-96-0095	6-Sep-96	Not Available	Unfiltered	Nitrotoluene[3-]	0.105	UG/L	R
16-021(c)	16-2761	0816-96-0095	6-Sep-96	Not Available	Unfiltered	Nitrotoluene[4-]	0.106	UG/L	R
16-021(c)	16-2761	0816-96-0095	6-Sep-96	Not Available	Unfiltered	RDX	274	UG/L	J-
16-021(c)	16-2761	0816-96-0095	6-Sep-96	Not Available	Unfiltered	Tetryl	0.055	UG/L	R
16-021(c)	16-2761	0816-96-0095	6-Sep-96	Not Available	Unfiltered	Trinitrobenzene[1,3,5-]	0.047	UG/L	R
16-021(c)	16-2761	0816-96-0095	6-Sep-96	Not Available	Unfiltered	Trinitrotoluene[2,4,6-]	0.539	UG/L	J-
16-021(c)	16-2762	0816-96-0096	6-Sep-96	Not Available	Unfiltered	Amino-2,6-dinitrotoluene[4-]	17.2	UG/L	J-
16-021(c)	16-2762	0816-96-0096	6-Sep-96	Not Available	Unfiltered	Amino-4,6-dinitrotoluene[2-]	13.9	UG/L	J-
16-021(c)	16-2762	0816-96-0096	6-Sep-96	Not Available	Unfiltered	Dinitrobenzene[1,3-]	0.048	UG/L	R
16-021(c)	16-2762	0816-96-0096	6-Sep-96	Not Available	Unfiltered	Dinitrotoluene[2,4-]	0.105	UG/L	J-

Table I-3.0-11 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-021(c)	16-2762	0816-96-0096	6-Sep-96	Not Available	Unfiltered	Dinitrotoluene[2,6-]	0.048	UG/L	R
16-021(c)	16-2762	0816-96-0096	6-Sep-96	Not Available	Unfiltered	HMX	42	UG/L	J-
16-021(c)	16-2762	0816-96-0096	6-Sep-96	Not Available	Unfiltered	Nitrobenzene	0.051	UG/L	R
16-021(c)	16-2762	0816-96-0096	6-Sep-96	Not Available	Unfiltered	Nitrotoluene[2-]	0.461	UG/L	J-
16-021(c)	16-2762	0816-96-0096	6-Sep-96	Not Available	Unfiltered	Nitrotoluene[3-]	0.105	UG/L	R
16-021(c)	16-2762	0816-96-0096	6-Sep-96	Not Available	Unfiltered	Nitrotoluene[4-]	0.106	UG/L	R
16-021(c)	16-2762	0816-96-0096	6-Sep-96	Not Available	Unfiltered	RDX	280	UG/L	J-
16-021(c)	16-2762	0816-96-0096	6-Sep-96	Not Available	Unfiltered	Tetryl	0.055	UG/L	R
16-021(c)	16-2762	0816-96-0096	6-Sep-96	Not Available	Unfiltered	Trinitrobenzene[1,3,5-]	0.047	UG/L	R
16-021(c)	16-2762	0816-96-0096	6-Sep-96	Not Available	Unfiltered	Trinitrotoluene[2,4,6-]	0.417	UG/L	J-
16-021(c)	16-2763	0816-96-0097	6-Sep-96	Not Available	Unfiltered	Amino-2,6-dinitrotoluene[4-]	16.8	UG/L	J-
16-021(c)	16-2763	0816-96-0097	6-Sep-96	Not Available	Unfiltered	Amino-4,6-dinitrotoluene[2-]	13.6	UG/L	J-
16-021(c)	16-2763	0816-96-0097	6-Sep-96	Not Available	Unfiltered	Dinitrobenzene[1,3-]	0.048	UG/L	R
16-021(c)	16-2763	0816-96-0097	6-Sep-96	Not Available	Unfiltered	Dinitrotoluene[2,4-]	0.1	UG/L	J-
16-021(c)	16-2763	0816-96-0097	6-Sep-96	Not Available	Unfiltered	Dinitrotoluene[2,6-]	0.048	UG/L	R
16-021(c)	16-2763	0816-96-0097	6-Sep-96	Not Available	Unfiltered	HMX	41.3	UG/L	J-
16-021(c)	16-2763	0816-96-0097	6-Sep-96	Not Available	Unfiltered	Nitrobenzene	0.051	UG/L	R
16-021(c)	16-2763	0816-96-0097	6-Sep-96	Not Available	Unfiltered	Nitrotoluene[2-]	0.531	UG/L	J-
16-021(c)	16-2763	0816-96-0097	6-Sep-96	Not Available	Unfiltered	Nitrotoluene[3-]	0.212	UG/L	R
16-021(c)	16-2763	0816-96-0097	6-Sep-96	Not Available	Unfiltered	Nitrotoluene[4-]	0.106	UG/L	R
16-021(c)	16-2763	0816-96-0097	6-Sep-96	Not Available	Unfiltered	RDX	272	UG/L	J-
16-021(c)	16-2763	0816-96-0097	6-Sep-96	Not Available	Unfiltered	Tetryl	0.055	UG/L	R
16-021(c)	16-2763	0816-96-0097	6-Sep-96	Not Available	Unfiltered	Trinitrobenzene[1,3,5-]	0.047	UG/L	R
16-021(c)	16-2763	0816-96-0097	6-Sep-96	Not Available	Unfiltered	Trinitrotoluene[2,4,6-]	0.687	UG/L	J-
16-021(c)	16-2765	0816-96-0099	6-Sep-96	Not Available	Unfiltered	Amino-2,6-dinitrotoluene[4-]	13.6	UG/L	J-
16-021(c)	16-2765	0816-96-0099	6-Sep-96	Not Available	Unfiltered	Amino-4,6-dinitrotoluene[2-]	11.1	UG/L	J-
16-021(c)	16-2765	0816-96-0099	6-Sep-96	Not Available	Unfiltered	Dinitrobenzene[1,3-]	0.048	UG/L	R
16-021(c)	16-2765	0816-96-0099	6-Sep-96	Not Available	Unfiltered	Dinitrotoluene[2,4-]	0.083	UG/L	J-
16-021(c)	16-2765	0816-96-0099	6-Sep-96	Not Available	Unfiltered	Dinitrotoluene[2,6-]	0.048	UG/L	R

Table I-3.0-11 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-021(c)	16-2765	0816-96-0099	6-Sep-96	Not Available	Unfiltered	HMX	42.9	UG/L	J-
16-021(c)	16-2765	0816-96-0099	6-Sep-96	Not Available	Unfiltered	Nitrobenzene	0.051	UG/L	R
16-021(c)	16-2765	0816-96-0099	6-Sep-96	Not Available	Unfiltered	Nitrotoluene[2-]	0.281	UG/L	J-
16-021(c)	16-2765	0816-96-0099	6-Sep-96	Not Available	Unfiltered	Nitrotoluene[3-]	0.105	UG/L	R
16-021(c)	16-2765	0816-96-0099	6-Sep-96	Not Available	Unfiltered	Nitrotoluene[4-]	0.106	UG/L	R
16-021(c)	16-2765	0816-96-0099	6-Sep-96	Not Available	Unfiltered	RDX	296	UG/L	J-
16-021(c)	16-2765	0816-96-0099	6-Sep-96	Not Available	Unfiltered	Tetryl	0.055	UG/L	R
16-021(c)	16-2765	0816-96-0099	6-Sep-96	Not Available	Unfiltered	Trinitrobenzene[1,3,5-]	0.047	UG/L	R
16-021(c)	16-2765	0816-96-0099	6-Sep-96	Not Available	Unfiltered	Trinitrotoluene[2,4,6-]	0.114	UG/L	J-
16-021(c)	16-2766	0816-96-0100	6-Sep-96	Not Available	Unfiltered	Amino-2,6-dinitrotoluene[4-]	11.8	UG/L	J-
16-021(c)	16-2766	0816-96-0100	6-Sep-96	Not Available	Unfiltered	Amino-4,6-dinitrotoluene[2-]	9.8	UG/L	J-
16-021(c)	16-2766	0816-96-0100	6-Sep-96	Not Available	Unfiltered	Dinitrobenzene[1,3-]	0.048	UG/L	R
16-021(c)	16-2766	0816-96-0100	6-Sep-96	Not Available	Unfiltered	Dinitrotoluene[2,4-]	0.075	UG/L	J-
16-021(c)	16-2766	0816-96-0100	6-Sep-96	Not Available	Unfiltered	Dinitrotoluene[2,6-]	0.048	UG/L	R
16-021(c)	16-2766	0816-96-0100	6-Sep-96	Not Available	Unfiltered	HMX	37.7	UG/L	J-
16-021(c)	16-2766	0816-96-0100	6-Sep-96	Not Available	Unfiltered	Nitrobenzene	0.051	UG/L	R
16-021(c)	16-2766	0816-96-0100	6-Sep-96	Not Available	Unfiltered	Nitrotoluene[2-]	0.169	UG/L	J-
16-021(c)	16-2766	0816-96-0100	6-Sep-96	Not Available	Unfiltered	Nitrotoluene[3-]	0.105	UG/L	R
16-021(c)	16-2766	0816-96-0100	6-Sep-96	Not Available	Unfiltered	Nitrotoluene[4-]	0.106	UG/L	R
16-021(c)	16-2766	0816-96-0100	6-Sep-96	Not Available	Unfiltered	RDX	256	UG/L	J-
16-021(c)	16-2766	0816-96-0100	6-Sep-96	Not Available	Unfiltered	Tetryl	0.055	UG/L	R
16-021(c)	16-2766	0816-96-0100	6-Sep-96	Not Available	Unfiltered	Trinitrobenzene[1,3,5-]	0.047	UG/L	R
16-021(c)	16-2766	0816-96-0100	6-Sep-96	Not Available	Unfiltered	Trinitrotoluene[2,4,6-]	0.155	UG/L	J-
16-021(c)	16-2767	0816-96-0101	6-Sep-96	Not Available	Unfiltered	Amino-2,6-dinitrotoluene[4-]	8	UG/L	J-
16-021(c)	16-2767	0816-96-0101	6-Sep-96	Not Available	Unfiltered	Amino-4,6-dinitrotoluene[2-]	7.03	UG/L	J-
16-021(c)	16-2767	0816-96-0101	6-Sep-96	Not Available	Unfiltered	Dinitrobenzene[1,3-]	0.048	UG/L	R
16-021(c)	16-2767	0816-96-0101	6-Sep-96	Not Available	Unfiltered	Dinitrotoluene[2,4-]	0.043	UG/L	J-
16-021(c)	16-2767	0816-96-0101	6-Sep-96	Not Available	Unfiltered	Dinitrotoluene[2,6-]	0.048	UG/L	R
16-021(c)	16-2767	0816-96-0101	6-Sep-96	Not Available	Unfiltered	HMX	35.7	UG/L	J-

Table I-3.0-11 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-021(c)	16-2767	0816-96-0101	6-Sep-96	Not Available	Unfiltered	Nitrobenzene	0.051	UG/L	R
16-021(c)	16-2767	0816-96-0101	6-Sep-96	Not Available	Unfiltered	Nitrotoluene[2-]	0.088	UG/L	R
16-021(c)	16-2767	0816-96-0101	6-Sep-96	Not Available	Unfiltered	Nitrotoluene[3-]	0.105	UG/L	R
16-021(c)	16-2767	0816-96-0101	6-Sep-96	Not Available	Unfiltered	Nitrotoluene[4-]	0.106	UG/L	R
16-021(c)	16-2767	0816-96-0101	6-Sep-96	Not Available	Unfiltered	RDX	241	UG/L	J-
16-021(c)	16-2767	0816-96-0101	6-Sep-96	Not Available	Unfiltered	Tetryl	0.055	UG/L	R
16-021(c)	16-2767	0816-96-0101	6-Sep-96	Not Available	Unfiltered	Trinitrobenzene[1,3,5-]	0.047	UG/L	R
16-021(c)	16-2767	0816-96-0101	6-Sep-96	Not Available	Unfiltered	Trinitrotoluene[2,4,6-]	0.052	UG/L	R
16-021(c)	16-2768	0816-96-0102	6-Sep-96	Not Available	Unfiltered	Amino-2,6-dinitrotoluene[4-]	8.68	UG/L	J-
16-021(c)	16-2768	0816-96-0102	6-Sep-96	Not Available	Unfiltered	Amino-4,6-dinitrotoluene[2-]	7.52	UG/L	J-
16-021(c)	16-2768	0816-96-0102	6-Sep-96	Not Available	Unfiltered	Dinitrobenzene[1,3-]	0.048	UG/L	R
16-021(c)	16-2768	0816-96-0102	6-Sep-96	Not Available	Unfiltered	Dinitrotoluene[2,4-]	0.047	UG/L	J-
16-021(c)	16-2768	0816-96-0102	6-Sep-96	Not Available	Unfiltered	Dinitrotoluene[2,6-]	0.048	UG/L	R
16-021(c)	16-2768	0816-96-0102	6-Sep-96	Not Available	Unfiltered	HMX	34.6	UG/L	J-
16-021(c)	16-2768	0816-96-0102	6-Sep-96	Not Available	Unfiltered	Nitrobenzene	0.051	UG/L	R
16-021(c)	16-2768	0816-96-0102	6-Sep-96	Not Available	Unfiltered	Nitrotoluene[2-]	0.413	UG/L	J-
16-021(c)	16-2768	0816-96-0102	6-Sep-96	Not Available	Unfiltered	Nitrotoluene[3-]	0.105	UG/L	R
16-021(c)	16-2768	0816-96-0102	6-Sep-96	Not Available	Unfiltered	Nitrotoluene[4-]	0.106	UG/L	R
16-021(c)	16-2768	0816-96-0102	6-Sep-96	Not Available	Unfiltered	RDX	217	UG/L	J-
16-021(c)	16-2768	0816-96-0102	6-Sep-96	Not Available	Unfiltered	Tetryl	0.055	UG/L	R
16-021(c)	16-2768	0816-96-0102	6-Sep-96	Not Available	Unfiltered	Trinitrobenzene[1,3,5-]	0.047	UG/L	R
16-021(c)	16-2768	0816-96-0102	6-Sep-96	Not Available	Unfiltered	Trinitrotoluene[2,4,6-]	0.06	UG/L	J-
16-021(c)	16-2768	0816-96-0103	6-Sep-96	Not Available	Unfiltered	Amino-2,6-dinitrotoluene[4-]	8.88	UG/L	J-
16-021(c)	16-2768	0816-96-0103	6-Sep-96	Not Available	Unfiltered	Amino-4,6-dinitrotoluene[2-]	7.61	UG/L	J-
16-021(c)	16-2768	0816-96-0103	6-Sep-96	Not Available	Unfiltered	Dinitrobenzene[1,3-]	0.048	UG/L	R
16-021(c)	16-2768	0816-96-0103	6-Sep-96	Not Available	Unfiltered	Dinitrotoluene[2,4-]	0.056	UG/L	J-
16-021(c)	16-2768	0816-96-0103	6-Sep-96	Not Available	Unfiltered	Dinitrotoluene[2,6-]	0.048	UG/L	R
16-021(c)	16-2768	0816-96-0103	6-Sep-96	Not Available	Unfiltered	HMX	35.6	UG/L	J-
16-021(c)	16-2768	0816-96-0103	6-Sep-96	Not Available	Unfiltered	Nitrobenzene	0.051	UG/L	R

Table I-3.0-11 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-021(c)	16-2768	0816-96-0103	6-Sep-96	Not Available	Unfiltered	Nitrotoluene[2-]	0.254	UG/L	J-
16-021(c)	16-2768	0816-96-0103	6-Sep-96	Not Available	Unfiltered	Nitrotoluene[3-]	0.105	UG/L	R
16-021(c)	16-2768	0816-96-0103	6-Sep-96	Not Available	Unfiltered	Nitrotoluene[4-]	0.106	UG/L	R
16-021(c)	16-2768	0816-96-0103	6-Sep-96	Not Available	Unfiltered	RDX	231	UG/L	J-
16-021(c)	16-2768	0816-96-0103	6-Sep-96	Not Available	Unfiltered	Tetryl	0.055	UG/L	R
16-021(c)	16-2768	0816-96-0103	6-Sep-96	Not Available	Unfiltered	Trinitrobenzene[1,3,5-]	0.047	UG/L	R
16-021(c)	16-2768	0816-96-0103	6-Sep-96	Not Available	Unfiltered	Trinitrotoluene[2,4,6-]	0.084	UG/L	J-
16-021(c)	16-2769	0816-96-0104	6-Sep-96	Not Available	Unfiltered	Amino-2,6-dinitrotoluene[4-]	8.44	UG/L	J-
16-021(c)	16-2769	0816-96-0104	6-Sep-96	Not Available	Unfiltered	Amino-4,6-dinitrotoluene[2-]	7.15	UG/L	J-
16-021(c)	16-2769	0816-96-0104	6-Sep-96	Not Available	Unfiltered	Dinitrobenzene[1,3-]	0.048	UG/L	R
16-021(c)	16-2769	0816-96-0104	6-Sep-96	Not Available	Unfiltered	Dinitrotoluene[2,4-]	0.049	UG/L	J-
16-021(c)	16-2769	0816-96-0104	6-Sep-96	Not Available	Unfiltered	Dinitrotoluene[2,6-]	0.048	UG/L	R
16-021(c)	16-2769	0816-96-0104	6-Sep-96	Not Available	Unfiltered	HMX	34.3	UG/L	J-
16-021(c)	16-2769	0816-96-0104	6-Sep-96	Not Available	Unfiltered	Nitrobenzene	0.051	UG/L	R
16-021(c)	16-2769	0816-96-0104	6-Sep-96	Not Available	Unfiltered	Nitrotoluene[2-]	0.39	UG/L	J-
16-021(c)	16-2769	0816-96-0104	6-Sep-96	Not Available	Unfiltered	Nitrotoluene[3-]	0.105	UG/L	R
16-021(c)	16-2769	0816-96-0104	6-Sep-96	Not Available	Unfiltered	Nitrotoluene[4-]	0.106	UG/L	R
16-021(c)	16-2769	0816-96-0104	6-Sep-96	Not Available	Unfiltered	RDX	219	UG/L	J-
16-021(c)	16-2769	0816-96-0104	6-Sep-96	Not Available	Unfiltered	Tetryl	0.055	UG/L	R
16-021(c)	16-2769	0816-96-0104	6-Sep-96	Not Available	Unfiltered	Trinitrobenzene[1,3,5-]	0.047	UG/L	R
16-021(c)	16-2769	0816-96-0104	6-Sep-96	Not Available	Unfiltered	Trinitrotoluene[2,4,6-]	0.07	UG/L	J-
16-021(c)	16-2770	0816-96-0105	6-Sep-96	Not Available	Unfiltered	Amino-2,6-dinitrotoluene[4-]	8.32	UG/L	J-
16-021(c)	16-2770	0816-96-0105	6-Sep-96	Not Available	Unfiltered	Amino-4,6-dinitrotoluene[2-]	7.14	UG/L	J-
16-021(c)	16-2770	0816-96-0105	6-Sep-96	Not Available	Unfiltered	Dinitrobenzene[1,3-]	0.048	UG/L	R
16-021(c)	16-2770	0816-96-0105	6-Sep-96	Not Available	Unfiltered	Dinitrotoluene[2,4-]	0.052	UG/L	J-
16-021(c)	16-2770	0816-96-0105	6-Sep-96	Not Available	Unfiltered	Dinitrotoluene[2,6-]	0.048	UG/L	R
16-021(c)	16-2770	0816-96-0105	6-Sep-96	Not Available	Unfiltered	HMX	34.7	UG/L	J-
16-021(c)	16-2770	0816-96-0105	6-Sep-96	Not Available	Unfiltered	Nitrobenzene	0.051	UG/L	R
16-021(c)	16-2770	0816-96-0105	6-Sep-96	Not Available	Unfiltered	Nitrotoluene[2-]	0.088	UG/L	R

Table I-3.0-11 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-021(c)	16-2770	0816-96-0105	6-Sep-96	Not Available	Unfiltered	Nitrotoluene[3-]	0.105	UG/L	R
16-021(c)	16-2770	0816-96-0105	6-Sep-96	Not Available	Unfiltered	Nitrotoluene[4-]	0.106	UG/L	R
16-021(c)	16-2770	0816-96-0105	6-Sep-96	Not Available	Unfiltered	RDX	226	UG/L	J-
16-021(c)	16-2770	0816-96-0105	6-Sep-96	Not Available	Unfiltered	Tetryl	0.055	UG/L	R
16-021(c)	16-2770	0816-96-0105	6-Sep-96	Not Available	Unfiltered	Trinitrobenzene[1,3,5-]	0.047	UG/L	R
16-021(c)	16-2770	0816-96-0105	6-Sep-96	Not Available	Unfiltered	Trinitrotoluene[2,4,6-]	0.063	UG/L	J-
16-021(c)	16-2771	0816-96-0106	6-Sep-96	Not Available	Unfiltered	Amino-2,6-dinitrotoluene[4-]	8.02	UG/L	J-
16-021(c)	16-2771	0816-96-0106	6-Sep-96	Not Available	Unfiltered	Amino-4,6-dinitrotoluene[2-]	6.84	UG/L	J-
16-021(c)	16-2771	0816-96-0106	6-Sep-96	Not Available	Unfiltered	Dinitrobenzene[1,3-]	0.048	UG/L	R
16-021(c)	16-2771	0816-96-0106	6-Sep-96	Not Available	Unfiltered	Dinitrotoluene[2,4-]	0.04	UG/L	J-
16-021(c)	16-2771	0816-96-0106	6-Sep-96	Not Available	Unfiltered	Dinitrotoluene[2,6-]	0.048	UG/L	R
16-021(c)	16-2771	0816-96-0106	6-Sep-96	Not Available	Unfiltered	HMX	34	UG/L	J-
16-021(c)	16-2771	0816-96-0106	6-Sep-96	Not Available	Unfiltered	Nitrobenzene	0.051	UG/L	R
16-021(c)	16-2771	0816-96-0106	6-Sep-96	Not Available	Unfiltered	Nitrotoluene[2-]	0.718	UG/L	J-
16-021(c)	16-2771	0816-96-0106	6-Sep-96	Not Available	Unfiltered	Nitrotoluene[3-]	0.105	UG/L	R
16-021(c)	16-2771	0816-96-0106	6-Sep-96	Not Available	Unfiltered	Nitrotoluene[4-]	0.106	UG/L	R
16-021(c)	16-2771	0816-96-0106	6-Sep-96	Not Available	Unfiltered	RDX	219	UG/L	J-
16-021(c)	16-2771	0816-96-0106	6-Sep-96	Not Available	Unfiltered	Tetryl	0.055	UG/L	R
16-021(c)	16-2771	0816-96-0106	6-Sep-96	Not Available	Unfiltered	Trinitrobenzene[1,3,5-]	0.047	UG/L	R
16-021(c)	16-2771	0816-96-0106	6-Sep-96	Not Available	Unfiltered	Trinitrotoluene[2,4,6-]	0.052	UG/L	R
16-021(c)	16-2772	0816-96-0107	6-Sep-96	Not Available	Unfiltered	Amino-2,6-dinitrotoluene[4-]	6.94	UG/L	J-
16-021(c)	16-2772	0816-96-0107	6-Sep-96	Not Available	Unfiltered	Amino-4,6-dinitrotoluene[2-]	6	UG/L	J-
16-021(c)	16-2772	0816-96-0107	6-Sep-96	Not Available	Unfiltered	Dinitrobenzene[1,3-]	0.048	UG/L	R
16-021(c)	16-2772	0816-96-0107	6-Sep-96	Not Available	Unfiltered	Dinitrotoluene[2,4-]	0.037	UG/L	R
16-021(c)	16-2772	0816-96-0107	6-Sep-96	Not Available	Unfiltered	Dinitrotoluene[2,6-]	0.048	UG/L	R
16-021(c)	16-2772	0816-96-0107	6-Sep-96	Not Available	Unfiltered	HMX	34.4	UG/L	J-
16-021(c)	16-2772	0816-96-0107	6-Sep-96	Not Available	Unfiltered	Nitrobenzene	0.051	UG/L	R
16-021(c)	16-2772	0816-96-0107	6-Sep-96	Not Available	Unfiltered	Nitrotoluene[2-]	1.2	UG/L	J-
16-021(c)	16-2772	0816-96-0107	6-Sep-96	Not Available	Unfiltered	Nitrotoluene[3-]	0.105	UG/L	R

Table I-3.0-11 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-021(c)	16-2772	0816-96-0107	6-Sep-96	Not Available	Unfiltered	Nitrotoluene[4-]	0.106	UG/L	R
16-021(c)	16-2772	0816-96-0107	6-Sep-96	Not Available	Unfiltered	RDX	210	UG/L	J-
16-021(c)	16-2772	0816-96-0107	6-Sep-96	Not Available	Unfiltered	Tetryl	0.055	UG/L	R
16-021(c)	16-2772	0816-96-0107	6-Sep-96	Not Available	Unfiltered	Trinitrobenzene[1,3,5-]	0.047	UG/L	R
16-021(c)	16-2772	0816-96-0107	6-Sep-96	Not Available	Unfiltered	Trinitrotoluene[2,4,6-]	0.052	UG/L	R
16-021(c)	16-2773	0816-96-0108	6-Sep-96	Not Available	Unfiltered	Amino-2,6-dinitrotoluene[4-]	6.55	UG/L	J-
16-021(c)	16-2773	0816-96-0108	6-Sep-96	Not Available	Unfiltered	Amino-4,6-dinitrotoluene[2-]	5.55	UG/L	J-
16-021(c)	16-2773	0816-96-0108	6-Sep-96	Not Available	Unfiltered	Dinitrobenzene[1,3-]	0.048	UG/L	R
16-021(c)	16-2773	0816-96-0108	6-Sep-96	Not Available	Unfiltered	Dinitrotoluene[2,4-]	0.058	UG/L	J-
16-021(c)	16-2773	0816-96-0108	6-Sep-96	Not Available	Unfiltered	Dinitrotoluene[2,6-]	0.048	UG/L	R
16-021(c)	16-2773	0816-96-0108	6-Sep-96	Not Available	Unfiltered	HMX	38.1	UG/L	J-
16-021(c)	16-2773	0816-96-0108	6-Sep-96	Not Available	Unfiltered	Nitrobenzene	0.051	UG/L	R
16-021(c)	16-2773	0816-96-0108	6-Sep-96	Not Available	Unfiltered	Nitrotoluene[2-]	0.581	UG/L	J-
16-021(c)	16-2773	0816-96-0108	6-Sep-96	Not Available	Unfiltered	Nitrotoluene[3-]	0.105	UG/L	R
16-021(c)	16-2773	0816-96-0108	6-Sep-96	Not Available	Unfiltered	Nitrotoluene[4-]	0.106	UG/L	R
16-021(c)	16-2773	0816-96-0108	6-Sep-96	Not Available	Unfiltered	RDX	164	UG/L	J-
16-021(c)	16-2773	0816-96-0108	6-Sep-96	Not Available	Unfiltered	Tetryl	0.055	UG/L	R
16-021(c)	16-2773	0816-96-0108	6-Sep-96	Not Available	Unfiltered	Trinitrobenzene[1,3,5-]	0.047	UG/L	R
16-021(c)	16-2773	0816-96-0108	6-Sep-96	Not Available	Unfiltered	Trinitrotoluene[2,4,6-]	0.052	UG/L	R
16-021(c)	16-2774	0816-96-0109	6-Sep-96	Not Available	Unfiltered	Amino-2,6-dinitrotoluene[4-]	6.39	UG/L	J-
16-021(c)	16-2774	0816-96-0109	6-Sep-96	Not Available	Unfiltered	Amino-4,6-dinitrotoluene[2-]	5.44	UG/L	J-
16-021(c)	16-2774	0816-96-0109	6-Sep-96	Not Available	Unfiltered	Dinitrobenzene[1,3-]	0.048	UG/L	R
16-021(c)	16-2774	0816-96-0109	6-Sep-96	Not Available	Unfiltered	Dinitrotoluene[2,4-]	0.061	UG/L	J-
16-021(c)	16-2774	0816-96-0109	6-Sep-96	Not Available	Unfiltered	Dinitrotoluene[2,6-]	0.048	UG/L	R
16-021(c)	16-2774	0816-96-0109	6-Sep-96	Not Available	Unfiltered	HMX	37.8	UG/L	J-
16-021(c)	16-2774	0816-96-0109	6-Sep-96	Not Available	Unfiltered	Nitrobenzene	0.051	UG/L	R
16-021(c)	16-2774	0816-96-0109	6-Sep-96	Not Available	Unfiltered	Nitrotoluene[2-]	0.402	UG/L	J-
16-021(c)	16-2774	0816-96-0109	6-Sep-96	Not Available	Unfiltered	Nitrotoluene[3-]	0.105	UG/L	R
16-021(c)	16-2774	0816-96-0109	6-Sep-96	Not Available	Unfiltered	Nitrotoluene[4-]	0.106	UG/L	R

Table I-3.0-11 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-021(c)	16-2774	0816-96-0109	6-Sep-96	Not Available	Unfiltered	RDX	157	UG/L	J-
16-021(c)	16-2774	0816-96-0109	6-Sep-96	Not Available	Unfiltered	Tetryl	0.055	UG/L	R
16-021(c)	16-2774	0816-96-0109	6-Sep-96	Not Available	Unfiltered	Trinitrobenzene[1,3,5-]	0.047	UG/L	R
16-021(c)	16-2774	0816-96-0109	6-Sep-96	Not Available	Unfiltered	Trinitrotoluene[2,4,6-]	0.052	UG/L	R
16-021(c)	16-2775	0816-96-0110	6-Sep-96	Not Available	Unfiltered	Amino-2,6-dinitrotoluene[4-]	6.22	UG/L	J-
16-021(c)	16-2775	0816-96-0110	6-Sep-96	Not Available	Unfiltered	Amino-4,6-dinitrotoluene[2-]	5.24	UG/L	J-
16-021(c)	16-2775	0816-96-0110	6-Sep-96	Not Available	Unfiltered	Dinitrobenzene[1,3-]	0.048	UG/L	R
16-021(c)	16-2775	0816-96-0110	6-Sep-96	Not Available	Unfiltered	Dinitrotoluene[2,4-]	0.059	UG/L	J-
16-021(c)	16-2775	0816-96-0110	6-Sep-96	Not Available	Unfiltered	Dinitrotoluene[2,6-]	0.048	UG/L	R
16-021(c)	16-2775	0816-96-0110	6-Sep-96	Not Available	Unfiltered	HMX	38.8	UG/L	J-
16-021(c)	16-2775	0816-96-0110	6-Sep-96	Not Available	Unfiltered	Nitrobenzene	0.051	UG/L	R
16-021(c)	16-2775	0816-96-0110	6-Sep-96	Not Available	Unfiltered	Nitrotoluene[2-]	0.244	UG/L	J-
16-021(c)	16-2775	0816-96-0110	6-Sep-96	Not Available	Unfiltered	Nitrotoluene[3-]	0.105	UG/L	R
16-021(c)	16-2775	0816-96-0110	6-Sep-96	Not Available	Unfiltered	Nitrotoluene[4-]	0.106	UG/L	R
16-021(c)	16-2775	0816-96-0110	6-Sep-96	Not Available	Unfiltered	RDX	158	UG/L	J-
16-021(c)	16-2775	0816-96-0110	6-Sep-96	Not Available	Unfiltered	Tetryl	0.055	UG/L	R
16-021(c)	16-2775	0816-96-0110	6-Sep-96	Not Available	Unfiltered	Trinitrobenzene[1,3,5-]	0.047	UG/L	R
16-021(c)	16-2775	0816-96-0110	6-Sep-96	Not Available	Unfiltered	Trinitrotoluene[2,4,6-]	0.052	UG/L	R
16-021(c)	16-2776	0816-96-0111	6-Sep-96	Not Available	Unfiltered	Amino-2,6-dinitrotoluene[4-]	5.86	UG/L	J-
16-021(c)	16-2776	0816-96-0111	6-Sep-96	Not Available	Unfiltered	Amino-4,6-dinitrotoluene[2-]	4.89	UG/L	J-
16-021(c)	16-2776	0816-96-0111	6-Sep-96	Not Available	Unfiltered	Dinitrobenzene[1,3-]	0.048	UG/L	R
16-021(c)	16-2776	0816-96-0111	6-Sep-96	Not Available	Unfiltered	Dinitrotoluene[2,4-]	0.047	UG/L	J-
16-021(c)	16-2776	0816-96-0111	6-Sep-96	Not Available	Unfiltered	Dinitrotoluene[2,6-]	0.048	UG/L	R
16-021(c)	16-2776	0816-96-0111	6-Sep-96	Not Available	Unfiltered	HMX	36	UG/L	J-
16-021(c)	16-2776	0816-96-0111	6-Sep-96	Not Available	Unfiltered	Nitrobenzene	0.051	UG/L	R
16-021(c)	16-2776	0816-96-0111	6-Sep-96	Not Available	Unfiltered	Nitrotoluene[2-]	0.522	UG/L	J-
16-021(c)	16-2776	0816-96-0111	6-Sep-96	Not Available	Unfiltered	Nitrotoluene[3-]	0.105	UG/L	R
16-021(c)	16-2776	0816-96-0111	6-Sep-96	Not Available	Unfiltered	Nitrotoluene[4-]	0.106	UG/L	R
16-021(c)	16-2776	0816-96-0111	6-Sep-96	Not Available	Unfiltered	RDX	141	UG/L	J-

Table I-3.0-11 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-021(c)	16-2776	0816-96-0111	6-Sep-96	Not Available	Unfiltered	Tetryl	0.055	UG/L	R
16-021(c)	16-2776	0816-96-0111	6-Sep-96	Not Available	Unfiltered	Trinitrobenzene[1,3,5-]	0.047	UG/L	R
16-021(c)	16-2776	0816-96-0111	6-Sep-96	Not Available	Unfiltered	Trinitrotoluene[2,4,6-]	0.052	UG/L	R
16-021(c)	16-2777	0816-96-0112	6-Sep-96	Not Available	Unfiltered	Amino-2,6-dinitrotoluene[4-]	5.68	UG/L	J-
16-021(c)	16-2777	0816-96-0112	6-Sep-96	Not Available	Unfiltered	Amino-4,6-dinitrotoluene[2-]	4.73	UG/L	J-
16-021(c)	16-2777	0816-96-0112	6-Sep-96	Not Available	Unfiltered	Dinitrobenzene[1,3-]	0.048	UG/L	R
16-021(c)	16-2777	0816-96-0112	6-Sep-96	Not Available	Unfiltered	Dinitrotoluene[2,4-]	0.049	UG/L	J-
16-021(c)	16-2777	0816-96-0112	6-Sep-96	Not Available	Unfiltered	Dinitrotoluene[2,6-]	0.048	UG/L	R
16-021(c)	16-2777	0816-96-0112	6-Sep-96	Not Available	Unfiltered	HMX	37.5	UG/L	J-
16-021(c)	16-2777	0816-96-0112	6-Sep-96	Not Available	Unfiltered	Nitrobenzene	0.051	UG/L	R
16-021(c)	16-2777	0816-96-0112	6-Sep-96	Not Available	Unfiltered	Nitrotoluene[2-]	1.05	UG/L	J-
16-021(c)	16-2777	0816-96-0112	6-Sep-96	Not Available	Unfiltered	Nitrotoluene[3-]	0.105	UG/L	R
16-021(c)	16-2777	0816-96-0112	6-Sep-96	Not Available	Unfiltered	Nitrotoluene[4-]	0.106	UG/L	R
16-021(c)	16-2777	0816-96-0112	6-Sep-96	Not Available	Unfiltered	RDX	148	UG/L	J-
16-021(c)	16-2777	0816-96-0112	6-Sep-96	Not Available	Unfiltered	Tetryl	0.055	UG/L	R
16-021(c)	16-2777	0816-96-0112	6-Sep-96	Not Available	Unfiltered	Trinitrobenzene[1,3,5-]	0.047	UG/L	R
16-021(c)	16-2777	0816-96-0112	6-Sep-96	Not Available	Unfiltered	Trinitrotoluene[2,4,6-]	0.052	UG/L	R
16-021(c)	16-2778	0816-96-0113	6-Sep-96	Not Available	Unfiltered	Amino-2,6-dinitrotoluene[4-]	5.45	UG/L	J-
16-021(c)	16-2778	0816-96-0113	6-Sep-96	Not Available	Unfiltered	Amino-4,6-dinitrotoluene[2-]	4.52	UG/L	J-
16-021(c)	16-2778	0816-96-0113	6-Sep-96	Not Available	Unfiltered	Dinitrobenzene[1,3-]	0.048	UG/L	R
16-021(c)	16-2778	0816-96-0113	6-Sep-96	Not Available	Unfiltered	Dinitrotoluene[2,4-]	0.049	UG/L	J-
16-021(c)	16-2778	0816-96-0113	6-Sep-96	Not Available	Unfiltered	Dinitrotoluene[2,6-]	0.048	UG/L	R
16-021(c)	16-2778	0816-96-0113	6-Sep-96	Not Available	Unfiltered	HMX	39.5	UG/L	J-
16-021(c)	16-2778	0816-96-0113	6-Sep-96	Not Available	Unfiltered	Nitrobenzene	0.051	UG/L	R
16-021(c)	16-2778	0816-96-0113	6-Sep-96	Not Available	Unfiltered	Nitrotoluene[2-]	0.56	UG/L	J-
16-021(c)	16-2778	0816-96-0113	6-Sep-96	Not Available	Unfiltered	Nitrotoluene[3-]	0.105	UG/L	R
16-021(c)	16-2778	0816-96-0113	6-Sep-96	Not Available	Unfiltered	Nitrotoluene[4-]	0.106	UG/L	R
16-021(c)	16-2778	0816-96-0113	6-Sep-96	Not Available	Unfiltered	RDX	138	UG/L	J-
16-021(c)	16-2778	0816-96-0113	6-Sep-96	Not Available	Unfiltered	Tetryl	0.055	UG/L	R

Table I-3.0-11 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-021(c)	16-2778	0816-96-0113	6-Sep-96	Not Available	Unfiltered	Trinitrobenzene[1,3,5-]	0.047	UG/L	R
16-021(c)	16-2778	0816-96-0113	6-Sep-96	Not Available	Unfiltered	Trinitrotoluene[2,4,6-]	0.052	UG/L	R
16-018	16-1001	AAB1597	17-Apr-90	Not Available	Filtered	Dinitrobenzene[1,3-]	20	UG/L	U
16-018	16-1001	AAB1597	17-Apr-90	Not Available	Filtered	Dinitrotoluene[2,4-]	29	UG/L	U
16-018	16-1001	AAB1597	17-Apr-90	Not Available	Filtered	Dinitrotoluene[2,6-]	47	UG/L	U
16-018	16-1001	AAB1597	17-Apr-90	Not Available	Filtered	HMX	65	UG/L	U
16-018	16-1001	AAB1597	17-Apr-90	Not Available	Filtered	Nitrobenzene	32	UG/L	U
16-018	16-1001	AAB1597	17-Apr-90	Not Available	Filtered	Nitrotoluene[2-]	60	UG/L	U
16-018	16-1001	AAB1597	17-Apr-90	Not Available	Filtered	Nitrotoluene[3-]	40	UG/L	U
16-018	16-1001	AAB1597	17-Apr-90	Not Available	Filtered	Nitrotoluene[4-]	43	UG/L	U
16-018	16-1001	AAB1597	17-Apr-90	Not Available	Filtered	RDX	155	UG/L	U
16-018	16-1001	AAB1597	17-Apr-90	Not Available	Filtered	Tetryl	20	UG/L	U
16-018	16-1001	AAB1597	17-Apr-90	Not Available	Filtered	Trinitrobenzene[1,3,5-]	37	UG/L	U
16-018	16-1001	AAB1597	17-Apr-90	Not Available	Filtered	Trinitrotoluene[2,4,6-]	35	UG/L	U
16-018	16-1002	AAB1598	17-Apr-90	Not Available	Filtered	Dinitrobenzene[1,3-]	20	UG/L	U
16-018	16-1002	AAB1598	17-Apr-90	Not Available	Filtered	Dinitrotoluene[2,4-]	29	UG/L	U
16-018	16-1002	AAB1598	17-Apr-90	Not Available	Filtered	Dinitrotoluene[2,6-]	47	UG/L	U
16-018	16-1002	AAB1598	17-Apr-90	Not Available	Filtered	HMX	65	UG/L	U
16-018	16-1002	AAB1598	17-Apr-90	Not Available	Filtered	Nitrobenzene	32	UG/L	U
16-018	16-1002	AAB1598	17-Apr-90	Not Available	Filtered	Nitrotoluene[2-]	60	UG/L	U
16-018	16-1002	AAB1598	17-Apr-90	Not Available	Filtered	Nitrotoluene[3-]	40	UG/L	U
16-018	16-1002	AAB1598	17-Apr-90	Not Available	Filtered	Nitrotoluene[4-]	43	UG/L	U
16-018	16-1002	AAB1598	17-Apr-90	Not Available	Filtered	RDX	158	UG/L	U
16-018	16-1002	AAB1598	17-Apr-90	Not Available	Filtered	Tetryl	20	UG/L	U
16-018	16-1002	AAB1598	17-Apr-90	Not Available	Filtered	Trinitrobenzene[1,3,5-]	37	UG/L	U
16-018	16-1002	AAB1598	17-Apr-90	Not Available	Filtered	Trinitrotoluene[2,4,6-]	35	UG/L	U
16-018	16-1003	AAB1599	17-Apr-90	Not Available	Filtered	Dinitrobenzene[1,3-]	20	UG/L	U
16-018	16-1003	AAB1599	17-Apr-90	Not Available	Filtered	Dinitrotoluene[2,4-]	29	UG/L	U
16-018	16-1003	AAB1599	17-Apr-90	Not Available	Filtered	Dinitrotoluene[2,6-]	47	UG/L	U

Table I-3.0-11 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-1003	AAB1599	17-Apr-90	Not Available	Filtered	HMX	65	UG/L	U
16-018	16-1003	AAB1599	17-Apr-90	Not Available	Filtered	Nitrobenzene	32	UG/L	U
16-018	16-1003	AAB1599	17-Apr-90	Not Available	Filtered	Nitrotoluene[2-]	60	UG/L	U
16-018	16-1003	AAB1599	17-Apr-90	Not Available	Filtered	Nitrotoluene[3-]	40	UG/L	U
16-018	16-1003	AAB1599	17-Apr-90	Not Available	Filtered	Nitrotoluene[4-]	43	UG/L	U
16-018	16-1003	AAB1599	17-Apr-90	Not Available	Filtered	RDX	170	UG/L	U
16-018	16-1003	AAB1599	17-Apr-90	Not Available	Filtered	Tetryl	20	UG/L	U
16-018	16-1003	AAB1599	17-Apr-90	Not Available	Filtered	Trinitrobenzene[1,3,5-]	37	UG/L	U
16-018	16-1003	AAB1599	17-Apr-90	Not Available	Filtered	Trinitrotoluene[2,4,6-]	35	UG/L	U
16-018	16-1004	AAB1600	17-Apr-90	Not Available	Filtered	Dinitrobenzene[1,3-]	20	UG/L	U
16-018	16-1004	AAB1600	17-Apr-90	Not Available	Filtered	Dinitrotoluene[2,4-]	29	UG/L	U
16-018	16-1004	AAB1600	17-Apr-90	Not Available	Filtered	Dinitrotoluene[2,6-]	47	UG/L	U
16-018	16-1004	AAB1600	17-Apr-90	Not Available	Filtered	HMX	65	UG/L	U
16-018	16-1004	AAB1600	17-Apr-90	Not Available	Filtered	Nitrobenzene	32	UG/L	U
16-018	16-1004	AAB1600	17-Apr-90	Not Available	Filtered	Nitrotoluene[2-]	60	UG/L	U
16-018	16-1004	AAB1600	17-Apr-90	Not Available	Filtered	Nitrotoluene[3-]	40	UG/L	U
16-018	16-1004	AAB1600	17-Apr-90	Not Available	Filtered	Nitrotoluene[4-]	43	UG/L	U
16-018	16-1004	AAB1600	17-Apr-90	Not Available	Filtered	RDX	144	UG/L	U
16-018	16-1004	AAB1600	17-Apr-90	Not Available	Filtered	Tetryl	20	UG/L	U
16-018	16-1004	AAB1600	17-Apr-90	Not Available	Filtered	Trinitrobenzene[1,3,5-]	37	UG/L	U
16-018	16-1004	AAB1600	17-Apr-90	Not Available	Filtered	Trinitrotoluene[2,4,6-]	35	UG/L	U
16-018	16-1005	AAB1601	17-Apr-90	Not Available	Filtered	Dinitrobenzene[1,3-]	20	UG/L	U
16-018	16-1005	AAB1601	17-Apr-90	Not Available	Filtered	Dinitrotoluene[2,4-]	29	UG/L	U
16-018	16-1005	AAB1601	17-Apr-90	Not Available	Filtered	Dinitrotoluene[2,6-]	47	UG/L	U
16-018	16-1005	AAB1601	17-Apr-90	Not Available	Filtered	HMX	65	UG/L	U
16-018	16-1005	AAB1601	17-Apr-90	Not Available	Filtered	Nitrobenzene	32	UG/L	U
16-018	16-1005	AAB1601	17-Apr-90	Not Available	Filtered	Nitrotoluene[2-]	60	UG/L	U
16-018	16-1005	AAB1601	17-Apr-90	Not Available	Filtered	Nitrotoluene[3-]	40	UG/L	U
16-018	16-1005	AAB1601	17-Apr-90	Not Available	Filtered	Nitrotoluene[4-]	43	UG/L	U

Table I-3.0-11 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-1005	AAB1601	17-Apr-90	Not Available	Filtered	RDX	151	UG/L	U
16-018	16-1005	AAB1601	17-Apr-90	Not Available	Filtered	Tetryl	20	UG/L	U
16-018	16-1005	AAB1601	17-Apr-90	Not Available	Filtered	Trinitrobenzene[1,3,5-]	37	UG/L	U
16-018	16-1005	AAB1601	17-Apr-90	Not Available	Filtered	Trinitrotoluene[2,4,6-]	35	UG/L	U
16-018	16-1006	AAB1602	17-Apr-90	Not Available	Filtered	Dinitrobenzene[1,3-]	20	UG/L	U
16-018	16-1006	AAB1602	17-Apr-90	Not Available	Filtered	Dinitrotoluene[2,4-]	29	UG/L	U
16-018	16-1006	AAB1602	17-Apr-90	Not Available	Filtered	Dinitrotoluene[2,6-]	47	UG/L	U
16-018	16-1006	AAB1602	17-Apr-90	Not Available	Filtered	HMX	65	UG/L	U
16-018	16-1006	AAB1602	17-Apr-90	Not Available	Filtered	Nitrobenzene	32	UG/L	U
16-018	16-1006	AAB1602	17-Apr-90	Not Available	Filtered	Nitrotoluene[2-]	60	UG/L	U
16-018	16-1006	AAB1602	17-Apr-90	Not Available	Filtered	Nitrotoluene[3-]	40	UG/L	U
16-018	16-1006	AAB1602	17-Apr-90	Not Available	Filtered	Nitrotoluene[4-]	43	UG/L	U
16-018	16-1006	AAB1602	17-Apr-90	Not Available	Filtered	RDX	140	UG/L	U
16-018	16-1006	AAB1602	17-Apr-90	Not Available	Filtered	Tetryl	20	UG/L	U
16-018	16-1006	AAB1602	17-Apr-90	Not Available	Filtered	Trinitrobenzene[1,3,5-]	37	UG/L	U
16-018	16-1006	AAB1602	17-Apr-90	Not Available	Filtered	Trinitrotoluene[2,4,6-]	35	UG/L	U
16-018	16-1001	AAB1603	17-Apr-90	Not Available	Unfiltered	Dinitrobenzene[1,3-]	20	UG/L	U
16-018	16-1001	AAB1603	17-Apr-90	Not Available	Unfiltered	Dinitrotoluene[2,4-]	29	UG/L	U
16-018	16-1001	AAB1603	17-Apr-90	Not Available	Unfiltered	Dinitrotoluene[2,6-]	47	UG/L	U
16-018	16-1001	AAB1603	17-Apr-90	Not Available	Unfiltered	HMX	65	UG/L	U
16-018	16-1001	AAB1603	17-Apr-90	Not Available	Unfiltered	Nitrobenzene	32	UG/L	U
16-018	16-1001	AAB1603	17-Apr-90	Not Available	Unfiltered	Nitrotoluene[2-]	60	UG/L	U
16-018	16-1001	AAB1603	17-Apr-90	Not Available	Unfiltered	Nitrotoluene[3-]	40	UG/L	U
16-018	16-1001	AAB1603	17-Apr-90	Not Available	Unfiltered	Nitrotoluene[4-]	43	UG/L	U
16-018	16-1001	AAB1603	17-Apr-90	Not Available	Unfiltered	RDX	180	UG/L	U
16-018	16-1001	AAB1603	17-Apr-90	Not Available	Unfiltered	Tetryl	20	UG/L	U
16-018	16-1001	AAB1603	17-Apr-90	Not Available	Unfiltered	Trinitrobenzene[1,3,5-]	37	UG/L	U
16-018	16-1001	AAB1603	17-Apr-90	Not Available	Unfiltered	Trinitrotoluene[2,4,6-]	35	UG/L	U
16-018	16-1002	AAB1604	17-Apr-90	Not Available	Unfiltered	Dinitrobenzene[1,3-]	20	UG/L	U

Table I-3.0-11 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-1002	AAB1604	17-Apr-90	Not Available	Unfiltered	Dinitrotoluene[2,4-]	29	UG/L	U
16-018	16-1002	AAB1604	17-Apr-90	Not Available	Unfiltered	Dinitrotoluene[2,6-]	47	UG/L	U
16-018	16-1002	AAB1604	17-Apr-90	Not Available	Unfiltered	HMX	65	UG/L	U
16-018	16-1002	AAB1604	17-Apr-90	Not Available	Unfiltered	Nitrobenzene	32	UG/L	U
16-018	16-1002	AAB1604	17-Apr-90	Not Available	Unfiltered	Nitrotoluene[2-]	60	UG/L	U
16-018	16-1002	AAB1604	17-Apr-90	Not Available	Unfiltered	Nitrotoluene[3-]	40	UG/L	U
16-018	16-1002	AAB1604	17-Apr-90	Not Available	Unfiltered	Nitrotoluene[4-]	43	UG/L	U
16-018	16-1002	AAB1604	17-Apr-90	Not Available	Unfiltered	RDX	152	UG/L	U
16-018	16-1002	AAB1604	17-Apr-90	Not Available	Unfiltered	Tetryl	20	UG/L	U
16-018	16-1002	AAB1604	17-Apr-90	Not Available	Unfiltered	Trinitrobenzene[1,3,5-]	37	UG/L	U
16-018	16-1002	AAB1604	17-Apr-90	Not Available	Unfiltered	Trinitrotoluene[2,4,6-]	35	UG/L	U
16-018	16-1003	AAB1605	17-Apr-90	Not Available	Unfiltered	Dinitrobenzene[1,3-]	20	UG/L	U
16-018	16-1003	AAB1605	17-Apr-90	Not Available	Unfiltered	Dinitrotoluene[2,4-]	29	UG/L	U
16-018	16-1003	AAB1605	17-Apr-90	Not Available	Unfiltered	Dinitrotoluene[2,6-]	47	UG/L	U
16-018	16-1003	AAB1605	17-Apr-90	Not Available	Unfiltered	HMX	65	UG/L	U
16-018	16-1003	AAB1605	17-Apr-90	Not Available	Unfiltered	Nitrobenzene	32	UG/L	U
16-018	16-1003	AAB1605	17-Apr-90	Not Available	Unfiltered	Nitrotoluene[2-]	60	UG/L	U
16-018	16-1003	AAB1605	17-Apr-90	Not Available	Unfiltered	Nitrotoluene[3-]	40	UG/L	U
16-018	16-1003	AAB1605	17-Apr-90	Not Available	Unfiltered	Nitrotoluene[4-]	43	UG/L	U
16-018	16-1003	AAB1605	17-Apr-90	Not Available	Unfiltered	RDX	196	UG/L	U
16-018	16-1003	AAB1605	17-Apr-90	Not Available	Unfiltered	Tetryl	20	UG/L	U
16-018	16-1003	AAB1605	17-Apr-90	Not Available	Unfiltered	Trinitrobenzene[1,3,5-]	37	UG/L	U
16-018	16-1003	AAB1605	17-Apr-90	Not Available	Unfiltered	Trinitrotoluene[2,4,6-]	35	UG/L	U
16-018	16-1004	AAB1606	17-Apr-90	Not Available	Unfiltered	Dinitrobenzene[1,3-]	20	UG/L	U
16-018	16-1004	AAB1606	17-Apr-90	Not Available	Unfiltered	Dinitrotoluene[2,4-]	29	UG/L	U
16-018	16-1004	AAB1606	17-Apr-90	Not Available	Unfiltered	Dinitrotoluene[2,6-]	47	UG/L	U
16-018	16-1004	AAB1606	17-Apr-90	Not Available	Unfiltered	HMX	65	UG/L	U
16-018	16-1004	AAB1606	17-Apr-90	Not Available	Unfiltered	Nitrobenzene	32	UG/L	U
16-018	16-1004	AAB1606	17-Apr-90	Not Available	Unfiltered	Nitrotoluene[2-]	60	UG/L	U

Table I-3.0-11 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-1004	AAB1606	17-Apr-90	Not Available	Unfiltered	Nitrotoluene[3-]	40	UG/L	U
16-018	16-1004	AAB1606	17-Apr-90	Not Available	Unfiltered	Nitrotoluene[4-]	43	UG/L	U
16-018	16-1004	AAB1606	17-Apr-90	Not Available	Unfiltered	RDX	133	UG/L	U
16-018	16-1004	AAB1606	17-Apr-90	Not Available	Unfiltered	Tetryl	20	UG/L	U
16-018	16-1004	AAB1606	17-Apr-90	Not Available	Unfiltered	Trinitrobenzene[1,3,5-]	37	UG/L	U
16-018	16-1004	AAB1606	17-Apr-90	Not Available	Unfiltered	Trinitrotoluene[2,4,6-]	35	UG/L	U
16-018	16-1005	AAB1607	17-Apr-90	Not Available	Unfiltered	Dinitrobenzene[1,3-]	20	UG/L	U
16-018	16-1005	AAB1607	17-Apr-90	Not Available	Unfiltered	Dinitrotoluene[2,4-]	29	UG/L	U
16-018	16-1005	AAB1607	17-Apr-90	Not Available	Unfiltered	Dinitrotoluene[2,6-]	47	UG/L	U
16-018	16-1005	AAB1607	17-Apr-90	Not Available	Unfiltered	HMX	65	UG/L	U
16-018	16-1005	AAB1607	17-Apr-90	Not Available	Unfiltered	Nitrobenzene	32	UG/L	U
16-018	16-1005	AAB1607	17-Apr-90	Not Available	Unfiltered	Nitrotoluene[2-]	60	UG/L	U
16-018	16-1005	AAB1607	17-Apr-90	Not Available	Unfiltered	Nitrotoluene[3-]	40	UG/L	U
16-018	16-1005	AAB1607	17-Apr-90	Not Available	Unfiltered	Nitrotoluene[4-]	43	UG/L	U
16-018	16-1005	AAB1607	17-Apr-90	Not Available	Unfiltered	RDX	146	UG/L	U
16-018	16-1005	AAB1607	17-Apr-90	Not Available	Unfiltered	Tetryl	20	UG/L	U
16-018	16-1005	AAB1607	17-Apr-90	Not Available	Unfiltered	Trinitrobenzene[1,3,5-]	37	UG/L	U
16-018	16-1005	AAB1607	17-Apr-90	Not Available	Unfiltered	Trinitrotoluene[2,4,6-]	35	UG/L	U
16-018	16-1006	AAB1608	17-Apr-90	Not Available	Unfiltered	Dinitrobenzene[1,3-]	20	UG/L	U
16-018	16-1006	AAB1608	17-Apr-90	Not Available	Unfiltered	Dinitrotoluene[2,4-]	29	UG/L	U
16-018	16-1006	AAB1608	17-Apr-90	Not Available	Unfiltered	Dinitrotoluene[2,6-]	47	UG/L	U
16-018	16-1006	AAB1608	17-Apr-90	Not Available	Unfiltered	HMX	65	UG/L	U
16-018	16-1006	AAB1608	17-Apr-90	Not Available	Unfiltered	Nitrobenzene	32	UG/L	U
16-018	16-1006	AAB1608	17-Apr-90	Not Available	Unfiltered	Nitrotoluene[2-]	60	UG/L	U
16-018	16-1006	AAB1608	17-Apr-90	Not Available	Unfiltered	Nitrotoluene[3-]	40	UG/L	U
16-018	16-1006	AAB1608	17-Apr-90	Not Available	Unfiltered	Nitrotoluene[4-]	43	UG/L	U
16-018	16-1006	AAB1608	17-Apr-90	Not Available	Unfiltered	RDX	162	UG/L	U
16-018	16-1006	AAB1608	17-Apr-90	Not Available	Unfiltered	Tetryl	20	UG/L	U
16-018	16-1006	AAB1608	17-Apr-90	Not Available	Unfiltered	Trinitrobenzene[1,3,5-]	37	UG/L	U

Table I-3.0-11 (concluded)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-1006	AAB1608	17-Apr-90	Not Available	Unfiltered	Trinitrotoluene[2,4,6-]	35	UG/L	U

Table I-3.0-12

Volatile and Semivolatile Chemicals in Surface Water Samples

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Acenaphthene	10	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Acenaphthylene	10	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	VOAGCMS	Acetone	21	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Aniline	25	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Anthracene	10	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Azobenzene	10	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	VOAGCMS	Benzene	5	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Benzidine	50	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Benzo(a)anthracene	10	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Benzo(a)pyrene	10	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Benzo(b)fluoranthene	10	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Benzo(g,h,i)perylene	10	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Benzo(k)fluoranthene	10	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Benzoic Acid	50	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Benzyl Alcohol	10	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Bis(2-chloroethoxy)methane	10	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Bis(2-chloroethyl)ether	10	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Bis(2-ethylhexyl)phthalate	10	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	VOAGCMS	Bromobenzene	5	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	VOAGCMS	Bromochloromethane	5	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	VOAGCMS	BromoDichloro-methane	5	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	VOAGCMS	Bromoform	5	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	VOAGCMS	Bromomethane	10	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Bromophenyl-phenylether[4-]	10	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	VOAGCMS	Butanone[2-]	20	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	VOAGCMS	Butylbenzene[n-]	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	VOAGCMS	Butylbenzene[sec-]	5	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	VOAGCMS	Butylbenzene[tert-]	5	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Butylbenzylphthalate	10	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Carbazole	10	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	VOAGCMS	Carbon Disulfide	5	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	VOAGCMS	Carbon Tetrachloride	5	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Chloro-3-methylphenol[4-]	10	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Chloroaniline[4-]	25	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	VOAGCMS	Chlorobenzene	5	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	VOAGCMS	Chlorodibromo-methane	5	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	VOAGCMS	Chloroethane	10	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	VOAGCMS	Chloroform	5	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	VOAGCMS	Chloromethane	10	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Chloronaphthalene[2-]	10	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Chlorophenol[2-]	10	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Chlorophenyl-phenyl[4-] Ether	10	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	VOAGCMS	Chlorotoluene[2-]	5	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	VOAGCMS	Chlorotoluene[4-]	5	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Chrysene	10	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Dibenz(a,h)-anthracene	10	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Dibenzofuran	10	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	VOAGCMS	Dibromo-3-chloropropane[1,2-]	10	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	VOAGCMS	Dibromoethane[1,2-]	5	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	VOAGCMS	Dibromomethane	5	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	VOAGCMS	Dichlorobenzene[1,2-]	5	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Dichlorobenzene[1,2-]	10	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	VOAGCMS	Dichlorobenzene[1,3-]	5	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Dichlorobenzene[1,3-]	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	VOAGCMS	Dichlorobenzene[1,4-]	5	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Dichlorobenzene[1,4-]	10	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Dichloro-benzidine[3,3'-]	50	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	VOAGCMS	Dichloro-difluoromethane	10	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	VOAGCMS	Dichloro-ethane[1,1-]	5	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	VOAGCMS	Dichloro-ethane[1,2-]	4	UG/L	J
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	VOAGCMS	Dichloro-ethene[1,1-]	5	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	VOAGCMS	Dichloro-ethene[cis-1,2-]	5	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	VOAGCMS	Dichloro-ethene[trans-1,2-]	5	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Dichloro-phenol[2,4-]	10	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	VOAGCMS	Dichloro-propane[1,2-]	5	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	VOAGCMS	Dichloro-propane[1,3-]	5	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	VOAGCMS	Dichloro-propane[2,2-]	5	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	VOAGCMS	Dichloro-propene[1,1-]	5	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	VOAGCMS	Dichloro-propene[cis-1,3-]	5	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	VOAGCMS	Dichloro-propene[trans-1,3-]	5	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Diethylphthalate	10	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Dimethyl Phthalate	10	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Dimethylphenol[2,4-]	10	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Di-n-butylphthalate	10	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Dinitro-2-methylphenol[4,6-]	50	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Dinitrophenol[2,4-]	50	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Dinitrotoluene[2,4-]	10	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Dinitrotoluene[2,6-]	10	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Di-n-octylphthalate	10	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	VOAGCMS	Ethylbenzene	5	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Fluoranthene	10	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Fluorene	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Hexachlorobenzene	10	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	VOAGCMS	Hexachlorobutadiene	5	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Hexachlorobutadiene	10	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Hexachlorocyclopentadiene	10	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Hexachloroethane	10	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	VOAGCMS	Hexanone[2-]	20	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Indeno(1,2,3-cd)pyrene	10	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	VOAGCMS	Iodomethane	5	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Isophorone	10	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	VOAGCMS	Isopropylbenzene	5	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	VOAGCMS	Isopropyltoluene[4-]	5	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	VOAGCMS	Methyl-2-pentanone[4-]	20	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	VOAGCMS	Methylene Chloride	5	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Methylnaphthalene[2-]	10	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Methylphenol[2-]	10	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Methylphenol[4-]	10	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	VOAGCMS	Naphthalene	5	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Naphthalene	10	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Nitroaniline[2-]	50	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Nitroaniline[3-]	50	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Nitroaniline[4-]	50	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Nitrobenzene	10	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Nitrophenol[2-]	10	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Nitrophenol[4-]	50	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Nitrosodi-methylamine[N-]	10	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Nitroso-di-n-propylamine[N-]	10	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Nitrosodi-phenylamine[N-]	10	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Oxybis(1-chloropropane)[2,2'-]	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Pentachlorophenol	50	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Phenanthrene	10	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Phenol	10	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	VOAGCMS	Propylbenzene[1-]	5	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Pyrene	10	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Pyridine	10	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	VOAGCMS	Styrene	5	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	VOAGCMS	Tetrachloroethane[1,1,1,2-]	5	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	VOAGCMS	Tetrachloroethane[1,1,2,2-]	5	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	VOAGCMS	Tetrachloroethene	5	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	VOAGCMS	Toluene	5	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	VOAGCMS	Trichloro--1,2,2-trifluoroethane[1,1,2-]	5	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	VOAGCMS	Trichloro-benzene[1,2,3-]	5	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	VOAGCMS	Trichloro-benzene[1,2,4-]	5	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Trichloro-benzene[1,2,4-]	10	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	VOAGCMS	Trichloro-ethane[1,1,1-]	5	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	VOAGCMS	Trichloro-ethane[1,1,2-]	5	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	VOAGCMS	Trichloro-ethene	5	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	VOAGCMS	Trichloro-fluoromethane	5	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Trichloro-phenol[2,4,5-]	10	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	SEMIN	Trichloro-phenol[2,4,6-]	10	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	VOAGCMS	Trichloro-propane[1,2,3-]	5	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	VOAGCMS	Trimethylbenzene[1,2,4-]	5	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	VOAGCMS	Trimethylbenzene[1,3,5-]	5	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	VOAGCMS	Vinyl Chloride	10	UG/L	U
Not Applicable	36-10029	0236-97-0015	27-Mar-97	WSF	Unfiltered	VOAGCMS	Xylene (Total)	5	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Acenaphthene	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Acenaphthylene	10	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	VOAGCMS	Acetone	20	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Aniline	25	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Anthracene	10	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Azobenzene	10	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	VOAGCMS	Benzene	5	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Benzidine	50	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Benzo(a)anthracene	10	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Benzo(a)pyrene	10	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Benzo(b)fluoranthene	10	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Benzo(g,h,i)perylene	10	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Benzo(k)fluoranthene	10	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Benzoic Acid	50	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Benzyl Alcohol	10	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Bis(2-chloroethoxy)methane	10	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Bis(2-chloroethyl)ether	10	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Bis(2-ethylhexyl)phthalate	10	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	VOAGCMS	Bromobenzene	5	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	VOAGCMS	Bromochloromethane	5	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	VOAGCMS	BromoDichloro-methane	5	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	VOAGCMS	Bromoform	5	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	VOAGCMS	Bromomethane	10	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Bromophenyl-phenylether[4-]	10	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	VOAGCMS	Butanone[2-]	20	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	VOAGCMS	Butylbenzene[n-]	5	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	VOAGCMS	Butylbenzene[sec-]	5	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	VOAGCMS	Butylbenzene[tert-]	5	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Butylbenzylphthalate	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Carbazole	10	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	VOAGCMS	Carbon Disulfide	5	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	VOAGCMS	Carbon Tetrachloride	5	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Chloro-3-methylphenol[4-]	10	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Chloroaniline[4-]	25	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	VOAGCMS	Chlorobenzene	5	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	VOAGCMS	Chlorodibromo-methane	5	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	VOAGCMS	Chloroethane	10	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	VOAGCMS	Chloroform	5	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	VOAGCMS	Chloromethane	10	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Chloronaphthalene[2-]	10	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Chlorophenol[2-]	10	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Chlorophenyl-phenyl[4-] Ether	10	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	VOAGCMS	Chlorotoluene[2-]	5	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	VOAGCMS	Chlorotoluene[4-]	5	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Chrysene	10	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Dibenz(a,h)-anthracene	10	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Dibenzofuran	10	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	VOAGCMS	Dibromo-3-chloropropane[1,2-]	10	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	VOAGCMS	Dibromoethane[1,2-]	5	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	VOAGCMS	Dibromomethane	5	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	VOAGCMS	Dichlorobenzene[1,2-]	5	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Dichlorobenzene[1,2-]	10	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	VOAGCMS	Dichlorobenzene[1,3-]	5	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Dichlorobenzene[1,3-]	10	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	VOAGCMS	Dichlorobenzene[1,4-]	5	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Dichlorobenzene[1,4-]	10	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Dichloro-benzidine[3,3'-]	50	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	VOAGCMS	Dichloro-difluoromethane	10	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	VOAGCMS	Dichloro-ethane[1,1-]	5	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	VOAGCMS	Dichloro-ethane[1,2-]	6	UG/L	none
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	VOAGCMS	Dichloro-ethene[1,1-]	5	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	VOAGCMS	Dichloro-ethene[cis-1,2-]	5	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	VOAGCMS	Dichloro-ethene[trans-1,2-]	5	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Dichloro-phenol[2,4-]	10	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	VOAGCMS	Dichloro-propane[1,2-]	5	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	VOAGCMS	Dichloro-propane[1,3-]	5	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	VOAGCMS	Dichloro-propane[2,2-]	5	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	VOAGCMS	Dichloro-propene[1,1-]	5	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	VOAGCMS	Dichloro-propene[cis-1,3-]	5	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	VOAGCMS	Dichloro-propene[trans-1,3-]	5	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Diethylphthalate	10	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Dimethyl Phthalate	10	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Dimethylphenol[2,4-]	10	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Di-n-butylphthalate	10	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Dinitro-2-methylphenol[4,6-]	50	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Dinitrophenol[2,4-]	50	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Dinitrotoluene[2,4-]	10	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Dinitrotoluene[2,6-]	10	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Di-n-octylphthalate	10	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	VOAGCMS	Ethylbenzene	5	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Fluoranthene	10	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Fluorene	10	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Hexachloro-benzene	10	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	VOAGCMS	Hexachloro-butadiene	5	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Hexachloro-butadiene	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Hexachloro-cyclopentadiene	10	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Hexachloro-ethane	10	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	VOAGCMS	Hexanone[2-]	20	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Indeno(1,2,3-cd)pyrene	10	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	VOAGCMS	Iodomethane	5	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Isophorone	10	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	VOAGCMS	Isopropylbenzene	5	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	VOAGCMS	Isopropyltoluene[4-]	5	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	VOAGCMS	Methyl-2-pentanone[4-]	20	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	VOAGCMS	Methylene Chloride	5	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Methylnaphthalene[2-]	10	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Methylphenol[2-]	10	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Methylphenol[4-]	10	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	VOAGCMS	Naphthalene	5	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Naphthalene	10	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Nitroaniline[2-]	50	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Nitroaniline[3-]	50	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Nitroaniline[4-]	50	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Nitrobenzene	10	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Nitrophenol[2-]	10	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Nitrophenol[4-]	50	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Nitrosodi-methylamine[N-]	10	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Nitroso-di-n-propylamine[N-]	10	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Nitrosodi-phenylamine[N-]	10	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Oxybis(1-chloropropane)[2,2'-]	10	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Pentachlorophenol	50	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Phenanthrene	10	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Phenol	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	VOAGCMS	Propylbenzene[1-]	5	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Pyrene	10	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Pyridine	10	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	VOAGCMS	Styrene	5	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	VOAGCMS	Tetrachloroethane[1,1,1,2-]	5	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	VOAGCMS	Tetrachloroethane[1,1,2,2-]	5	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	VOAGCMS	Tetrachloroethene	5	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	VOAGCMS	Toluene	5	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	VOAGCMS	Trichloro--1,2,2-trifluoroethane[1,1,2-]	5	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	VOAGCMS	Trichloro-benzene[1,2,3-]	5	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	VOAGCMS	Trichloro-benzene[1,2,4-]	5	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Trichloro-benzene[1,2,4-]	10	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	VOAGCMS	Trichloro-ethane[1,1,1-]	5	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	VOAGCMS	Trichloro-ethane[1,1,2-]	5	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	VOAGCMS	Trichloro-ethene	5	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	VOAGCMS	Trichloro-fluoromethane	5	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Trichloro-phenol[2,4,5-]	10	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	SEMIN	Trichloro-phenol[2,4,6-]	10	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	VOAGCMS	Trichloro-propane[1,2,3-]	5	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	VOAGCMS	Trimethylbenzene[1,2,4-]	5	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	VOAGCMS	Trimethylbenzene[1,3,5-]	5	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	VOAGCMS	Vinyl Chloride	10	UG/L	U
Not Applicable	36-10030	0236-97-0016	27-Mar-97	WSF	Unfiltered	VOAGCMS	Xylene (Total)	5	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Acenaphthene	18	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Acenaphthylene	18	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	VOAGCMS	Acetone	39	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Aniline	18	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Anthracene	18	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Azobenzene	18	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	VOAGCMS	Benzene	5	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Benzo(a)anthracene	18	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Benzo(a)pyrene	18	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Benzo(b)fluoranthene	18	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Benzo(g,h,i)perylene	18	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Benzo(k)fluoranthene	18	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Benzoic Acid	90	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Benzyl Alcohol	36	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Bis(2-chloroethoxy)methane	18	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Bis(2-chloroethyl)ether	18	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Bis(2-ethylhexyl)phthalate	9	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	VOAGCMS	Bromobenzene	5	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	VOAGCMS	Bromochloromethane	5	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	VOAGCMS	BromoDichloro-methane	5	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	VOAGCMS	Bromoform	5	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	VOAGCMS	Bromomethane	10	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Bromophenyl-phenylether[4-]	18	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	VOAGCMS	Butanone[2-]	20	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	VOAGCMS	Butylbenzene[n-]	5	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	VOAGCMS	Butylbenzene[sec-]	5	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	VOAGCMS	Butylbenzene[tert-]	5	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Butylbenzylphthalate	18	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	VOAGCMS	Carbon Disulfide	5	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	VOAGCMS	Carbon Tetrachloride	5	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Chloro-3-methylphenol[4-]	36	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Chloroaniline[4-]	36	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	VOAGCMS	Chlorobenzene	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	VOAGCMS	Chlorodibromo-methane	5	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	VOAGCMS	Chloroethane	10	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	VOAGCMS	Chloroform	5	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	VOAGCMS	Chloromethane	10	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Chloronaphthalene[2-]	18	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Chlorophenol[2-]	18	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Chlorophenyl-phenyl[4-] Ether	18	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	VOAGCMS	Chlorotoluene[2-]	5	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	VOAGCMS	Chlorotoluene[4-]	5	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Chrysene	18	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Dibenz(a,h)-anthracene	18	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Dibenzofuran	18	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	VOAGCMS	Dibromo-3-chloropropane[1,2-]	10	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	VOAGCMS	Dibromoethane[1,2-]	5	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	VOAGCMS	Dibromomethane	5	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	VOAGCMS	Dichlorobenzene[1,2-]	5	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Dichlorobenzene[1,2-]	18	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	VOAGCMS	Dichlorobenzene[1,3-]	5	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Dichlorobenzene[1,3-]	18	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	VOAGCMS	Dichlorobenzene[1,4-]	5	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Dichlorobenzene[1,4-]	18	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Dichloro-benzidine[3,3'-]	36	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	VOAGCMS	Dichloro-difluoromethane	10	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	VOAGCMS	Dichloro-ethane[1,1-]	5	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	VOAGCMS	Dichloro-ethane[1,2-]	7	UG/L	none
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	VOAGCMS	Dichloro-ethene[1,1-]	5	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	VOAGCMS	Dichloro-ethene[cis-1,2-]	5	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	VOAGCMS	Dichloro-ethene[trans-1,2-]	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Dichloro-phenol[2,4-]	18	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	VOAGCMS	Dichloro-propane[1,2-]	5	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	VOAGCMS	Dichloro-propane[1,3-]	5	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	VOAGCMS	Dichloro-propane[2,2-]	5	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	VOAGCMS	Dichloro-propene[1,1-]	5	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	VOAGCMS	Dichloro-propene[cis-1,3-]	5	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	VOAGCMS	Dichloro-propene[trans-1,3-]	5	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Diethylphthalate	18	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Dimethyl Phthalate	18	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Dimethylphenol[2,4-]	18	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Di-n-butylphthalate	18	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Dinitro-2-methylphenol[4,6-]	90	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Dinitrophenol[2,4-]	90	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Dinitrotoluene[2,4-]	18	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Dinitrotoluene[2,6-]	18	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Di-n-octylphthalate	18	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	VOAGCMS	Ethylbenzene	5	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Fluoranthene	18	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Fluorene	18	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Hexachloro-benzene	18	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Hexachloro-butadiene	18	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Hexachloro-cyclopentadiene	18	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Hexachloro-ethane	18	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	VOAGCMS	Hexanone[2-]	20	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Indeno(1,2,3-cd)pyrene	18	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	VOAGCMS	Iodomethane	5	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Isophorone	18	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	VOAGCMS	Isopropylbenzene	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	VOAGCMS	Isopropyltoluene[4-]	5	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	VOAGCMS	Methyl-2-pentanone[4-]	20	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	VOAGCMS	Methylene Chloride	3	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Methylnaphthalene[2-]	18	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Methylphenol[2-]	18	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Methylphenol[4-]	18	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Naphthalene	18	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Nitroaniline[2-]	90	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Nitroaniline[3-]	90	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Nitroaniline[4-]	36	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Nitrobenzene	18	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Nitrophenol[2-]	18	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Nitrophenol[4-]	90	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Nitrosodi-methylamine[N-]	18	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Nitroso-di-n-propylamine[N-]	18	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Nitrosodi-phenylamine[N-]	18	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Oxybis(1-chloropropane)[2,2'-]	18	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Pentachlorophenol	90	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Phenanthrene	18	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Phenol	18	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	VOAGCMS	Propylbenzene[1-]	5	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Pyrene	18	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	VOAGCMS	Styrene	5	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	VOAGCMS	Tetrachloroethane[1,1,1,2-]	5	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	VOAGCMS	Tetrachloroethane[1,1,2,2-]	5	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	VOAGCMS	Tetrachloroethene	5	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	VOAGCMS	Toluene	5	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	VOAGCMS	Trichloro--1,2,2-trifluoroethane[1,1,2-]	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Trichloro-benzene[1,2,4-]	18	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	VOAGCMS	Trichloro-ethane[1,1,1-]	5	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	VOAGCMS	Trichloro-ethane[1,1,2-]	5	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	VOAGCMS	Trichloro-ethene	5	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	VOAGCMS	Trichloro-fluoromethane	5	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Trichloro-phenol[2,4,5-]	90	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	SEMI	Trichloro-phenol[2,4,6-]	18	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	VOAGCMS	Trichloro-propane[1,2,3-]	5	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	VOAGCMS	Trimethylbenzene[1,2,4-]	5	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	VOAGCMS	Trimethylbenzene[1,3,5-]	5	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	VOAGCMS	Vinyl Chloride	10	UG/L	U
Not Applicable	16-2688	0316-97-3032	13-Aug-97	WGS	Unfiltered	VOAGCMS	Xylene (Total)	5	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Acenaphthene	10	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Acenaphthylene	10	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	VOAGCMS	Acetone	20	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Aniline	20	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Anthracene	10	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Azobenzene	20	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	VOAGCMS	Benzene	5	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Benzo(a)anthracene	10	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Benzo(a)pyrene	10	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Benzo(b)fluoranthene	10	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Benzo(g,h,i)perylene	10	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Benzo(k)fluoranthene	10	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Benzoic Acid	50	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Benzyl Alcohol	20	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Bis(2-chloroethoxy)methane	10	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Bis(2-chloroethyl)ether	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Bis(2-ethylhexyl)phthalate	10	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	VOAGCMS	Bromobenzene	5	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	VOAGCMS	Bromochloromethane	5	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	VOAGCMS	BromoDichloro-methane	5	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	VOAGCMS	Bromoform	5	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	VOAGCMS	Bromomethane	10	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Bromophenyl-phenylether[4-]	10	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	VOAGCMS	Butanone[2-]	20	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	VOAGCMS	Butylbenzene[n-]	5	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	VOAGCMS	Butylbenzene[sec-]	5	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	VOAGCMS	Butylbenzene[tert-]	5	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Butylbenzylphthalate	10	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	VOAGCMS	Carbon Disulfide	5	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	VOAGCMS	Carbon Tetrachloride	5	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Chloro-3-methylphenol[4-]	20	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Chloroaniline[4-]	20	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	VOAGCMS	Chlorobenzene	5	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	VOAGCMS	Chlorodibromo-methane	5	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	VOAGCMS	Chloroethane	10	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	VOAGCMS	Chloroform	5	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	VOAGCMS	Chloromethane	10	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Chloronaphthalene[2-]	10	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Chlorophenol[2-]	10	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Chlorophenyl-phenyl[4-] Ether	10	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	VOAGCMS	Chlorotoluene[2-]	5	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	VOAGCMS	Chlorotoluene[4-]	5	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Chrysene	10	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Dibenz(a,h)-anthracene	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Dibenzofuran	10	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	VOAGCMS	Dibromo-3-chloropropane[1,2-]	10	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	VOAGCMS	Dibromoethane[1,2-]	5	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	VOAGCMS	Dibromomethane	5	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	VOAGCMS	Dichlorobenzene[1,2-]	5	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Dichlorobenzene[1,2-]	10	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	VOAGCMS	Dichlorobenzene[1,3-]	5	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Dichlorobenzene[1,3-]	10	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	VOAGCMS	Dichlorobenzene[1,4-]	5	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Dichlorobenzene[1,4-]	10	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Dichloro-benzidine[3,3'-]	20	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	VOAGCMS	Dichloro-difluoromethane	10	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	VOAGCMS	Dichloro-ethane[1,1-]	5	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	VOAGCMS	Dichloro-ethane[1,2-]	5	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	VOAGCMS	Dichloro-ethene[1,1-]	5	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	VOAGCMS	Dichloro-ethene[cis-1,2-]	10	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	VOAGCMS	Dichloro-ethene[trans-1,2-]	10	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Dichloro-phenol[2,4-]	10	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	VOAGCMS	Dichloro-propane[1,2-]	5	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	VOAGCMS	Dichloro-propane[1,3-]	5	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	VOAGCMS	Dichloro-propane[2,2-]	5	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	VOAGCMS	Dichloro-propene[1,1-]	5	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	VOAGCMS	Dichloro-propene[cis-1,3-]	5	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	VOAGCMS	Dichloro-propene[trans-1,3-]	5	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Diethylphthalate	10	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Dimethyl Phthalate	10	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Dimethylphenol[2,4-]	10	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Di-n-butylphthalate	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Dinitro-2-methylphenol[4,6-]	50	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Dinitrophenol[2,4-]	50	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Dinitrotoluene[2,4-]	10	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Dinitrotoluene[2,6-]	10	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Di-n-octylphthalate	10	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	VOAGCMS	Ethylbenzene	5	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Fluoranthene	10	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Fluorene	10	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Hexachloro-benzene	10	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Hexachloro-butadiene	10	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Hexachloro-cyclopentadiene	10	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Hexachloro-ethane	10	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	VOAGCMS	Hexanone[2-]	20	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Indeno(1,2,3-cd)pyrene	10	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	VOAGCMS	Iodomethane	5	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Isophorone	10	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	VOAGCMS	Isopropylbenzene	5	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	VOAGCMS	Isopropyltoluene[4-]	5	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	VOAGCMS	Methyl-2-pentanone[4-]	20	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	VOAGCMS	Methylene Chloride	5	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Methylnaphthalene[2-]	10	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Methylphenol[2-]	10	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Methylphenol[4-]	10	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Naphthalene	10	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Nitroaniline[2-]	50	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Nitroaniline[3-]	50	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Nitroaniline[4-]	20	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Nitrobenzene	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Nitrophenol[2-]	10	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Nitrophenol[4-]	50	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Nitrosodi-methylamine[N-]	10	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Nitroso-di-n-propylamine[N-]	10	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Nitrosodi-phenylamine[N-]	10	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Oxybis(1-chloropropane)[2,2'-]	10	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Pentachlorophenol	50	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Phenanthrene	10	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Phenol	10	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	VOAGCMS	Propylbenzene[1-]	5	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Pyrene	10	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	VOAGCMS	Styrene	5	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	VOAGCMS	Tetrachloroethane[1,1,1,2-]	5	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	VOAGCMS	Tetrachloroethane[1,1,2,2-]	5	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	VOAGCMS	Tetrachloroethene	5	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	VOAGCMS	Toluene	5	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	VOAGCMS	Trichloro--1,2,2-trifluoroethane[1,1,2-]	5	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Trichloro-benzene[1,2,4-]	10	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	VOAGCMS	Trichloro-ethane[1,1,1-]	5	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	VOAGCMS	Trichloro-ethane[1,1,2-]	5	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	VOAGCMS	Trichloro-ethene	5	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	VOAGCMS	Trichloro-fluoromethane	5	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Trichloro-phenol[2,4,5-]	50	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	SEMI	Trichloro-phenol[2,4,6-]	10	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	VOAGCMS	Trichloro-propane[1,2,3-]	5	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	VOAGCMS	Trimethylbenzene[1,2,4-]	5	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	VOAGCMS	Trimethylbenzene[1,3,5-]	5	UG/L	U
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	VOAGCMS	Vinyl Chloride	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
Not Applicable	16-2689	0316-97-3110	22-Sep-97	WGS	Unfiltered	VOAGCMS	Xylene (Total)	5	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Acenaphthene	10	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Acenaphthylene	10	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	VOAGCMS	Acetone	25	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Aniline	20	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Anthracene	10	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Azobenzene	20	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	VOAGCMS	Benzene	5	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Benzo(a)anthracene	10	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Benzo(a)pyrene	10	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Benzo(b)fluoranthene	10	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Benzo(g,h,i)perylene	10	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Benzo(k)fluoranthene	10	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Benzoic Acid	50	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Benzyl Alcohol	20	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Bis(2-chloroethoxy)methane	10	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Bis(2-chloroethyl)ether	10	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Bis(2-ethylhexyl)phthalate	10	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	VOAGCMS	Bromobenzene	5	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	VOAGCMS	Bromochloromethane	5	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	VOAGCMS	BromoDichloro-methane	5	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	VOAGCMS	Bromoform	5	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	VOAGCMS	Bromomethane	10	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Bromophenyl-phenylether[4-]	10	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	VOAGCMS	Butanone[2-]	20	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	VOAGCMS	Butylbenzene[n-]	5	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	VOAGCMS	Butylbenzene[sec-]	5	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	VOAGCMS	Butylbenzene[tert-]	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Butylbenzylphthalate	10	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	VOAGCMS	Carbon Disulfide	5	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	VOAGCMS	Carbon Tetrachloride	5	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Chloro-3-methylphenol[4-]	20	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Chloroaniline[4-]	20	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	VOAGCMS	Chlorobenzene	5	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	VOAGCMS	Chlorodibromo-methane	5	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	VOAGCMS	Chloroethane	10	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	VOAGCMS	Chloroform	5	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	VOAGCMS	Chloromethane	10	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Chloronaphthalene[2-]	10	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Chlorophenol[2-]	10	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Chlorophenyl-phenyl[4-] Ether	10	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	VOAGCMS	Chlorotoluene[2-]	5	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	VOAGCMS	Chlorotoluene[4-]	5	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Chrysene	10	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Dibenz(a,h)-anthracene	10	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Dibenzofuran	10	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	VOAGCMS	Dibromo-3-chloropropane[1,2-]	10	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	VOAGCMS	Dibromoethane[1,2-]	5	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	VOAGCMS	Dibromomethane	5	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	VOAGCMS	Dichlorobenzene[1,2-]	5	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Dichlorobenzene[1,2-]	10	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	VOAGCMS	Dichlorobenzene[1,3-]	5	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Dichlorobenzene[1,3-]	10	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	VOAGCMS	Dichlorobenzene[1,4-]	5	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Dichlorobenzene[1,4-]	10	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Dichloro-benzidine[3,3'-]	20	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	VOAGCMS	Dichloro-difluoromethane	10	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	VOAGCMS	Dichloro-ethane[1,1-]	5	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	VOAGCMS	Dichloro-ethane[1,2-]	5	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	VOAGCMS	Dichloro-ethene[1,1-]	5	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	VOAGCMS	Dichloro-ethene[cis-1,2-]	10	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	VOAGCMS	Dichloro-ethene[trans-1,2-]	10	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Dichloro-phenol[2,4-]	10	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	VOAGCMS	Dichloro-propane[1,2-]	5	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	VOAGCMS	Dichloro-propane[1,3-]	5	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	VOAGCMS	Dichloro-propane[2,2-]	5	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	VOAGCMS	Dichloro-propene[1,1-]	5	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	VOAGCMS	Dichloro-propene[cis-1,3-]	5	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	VOAGCMS	Dichloro-propene[trans-1,3-]	5	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Diethylphthalate	10	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Dimethyl Phthalate	10	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Dimethylphenol[2,4-]	10	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Di-n-butylphthalate	10	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Dinitro-2-methylphenol[4,6-]	50	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Dinitrophenol[2,4-]	50	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Dinitrotoluene[2,4-]	10	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Dinitrotoluene[2,6-]	10	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Di-n-octylphthalate	10	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	VOAGCMS	Ethylbenzene	5	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Fluoranthene	10	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Fluorene	10	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Hexachloro-benzene	10	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Hexachloro-butadiene	10	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Hexachloro-cyclopentadiene	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Hexachloro-ethane	10	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	VOAGCMS	Hexanone[2-]	20	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Indeno(1,2,3-cd)pyrene	10	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	VOAGCMS	Iodomethane	5	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Isophorone	10	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	VOAGCMS	Isopropylbenzene	5	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	VOAGCMS	Isopropyltoluene[4-]	5	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	VOAGCMS	Methyl-2-pentanone[4-]	20	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	VOAGCMS	Methylene Chloride	5	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Methylnaphthalene[2-]	10	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Methylphenol[2-]	10	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Methylphenol[4-]	10	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Naphthalene	10	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Nitroaniline[2-]	50	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Nitroaniline[3-]	50	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Nitroaniline[4-]	20	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Nitrobenzene	10	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Nitrophenol[2-]	10	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Nitrophenol[4-]	50	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Nitrosodi-methylamine[N-]	10	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Nitroso-di-n-propylamine[N-]	10	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Nitrosodi-phenylamine[N-]	10	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Oxybis(1-chloropropane)[2,2'-]	10	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Pentachlorophenol	50	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Phenanthrene	10	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Phenol	10	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	VOAGCMS	Propylbenzene[1-]	5	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Pyrene	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	VOAGCMS	Styrene	5	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	VOAGCMS	Tetrachloroethane[1,1,1,2-]	5	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	VOAGCMS	Tetrachloroethane[1,1,2,2-]	5	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	VOAGCMS	Tetrachloroethene	5	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	VOAGCMS	Toluene	5	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	VOAGCMS	Trichloro--1,2,2-trifluoroethane[1,1,2-]	5	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Trichloro-benzene[1,2,4-]	10	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	VOAGCMS	Trichloro-ethane[1,1,1-]	5	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	VOAGCMS	Trichloro-ethane[1,1,2-]	5	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	VOAGCMS	Trichloro-ethene	5	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	VOAGCMS	Trichloro-fluoromethane	5	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Trichloro-phenol[2,4,5-]	50	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	SEMI	Trichloro-phenol[2,4,6-]	10	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	VOAGCMS	Trichloro-propane[1,2,3-]	5	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	VOAGCMS	Trimethylbenzene[1,2,4-]	5	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	VOAGCMS	Trimethylbenzene[1,3,5-]	5	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	VOAGCMS	Vinyl Chloride	10	UG/L	U
Not Applicable	16-2690	0316-97-3191	19-Dec-97	WGS	Filtered	VOAGCMS	Xylene (Total)	5	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Acenaphthene	10	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Acenaphthylene	10	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	VOAGCMS	Acetone	20	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Aniline	20	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Anthracene	10	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Azobenzene	20	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	VOAGCMS	Benzene	5	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Benzo(a)anthracene	10	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Benzo(a)pyrene	10	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Benzo(b)fluoranthene	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Benzo(g,h,i)perylene	10	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Benzo(k)fluoranthene	10	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Benzoic Acid	50	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Benzyl Alcohol	20	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Bis(2-chloroethoxy)methane	10	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Bis(2-chloroethyl)ether	10	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Bis(2-ethylhexyl)phthalate	10	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	VOAGCMS	Bromobenzene	5	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	VOAGCMS	Bromochloromethane	5	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	VOAGCMS	BromoDichloro-methane	5	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	VOAGCMS	Bromoform	5	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	VOAGCMS	Bromomethane	10	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Bromophenyl-phenylether[4-]	10	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	VOAGCMS	Butanone[2-]	20	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	VOAGCMS	Butylbenzene[n-]	5	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	VOAGCMS	Butylbenzene[sec-]	5	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	VOAGCMS	Butylbenzene[tert-]	5	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Butylbenzylphthalate	10	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	VOAGCMS	Carbon Disulfide	5	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	VOAGCMS	Carbon Tetrachloride	5	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Chloro-3-methylphenol[4-]	20	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Chloroaniline[4-]	20	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	VOAGCMS	Chlorobenzene	5	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	VOAGCMS	Chlorodibromo-methane	5	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	VOAGCMS	Chloroethane	10	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	VOAGCMS	Chloroform	5	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	VOAGCMS	Chloromethane	10	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Chloronaphthalene[2-]	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Chlorophenol[2-]	10	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Chlorophenyl-phenyl[4-] Ether	10	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	VOAGCMS	Chlorotoluene[2-]	5	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	VOAGCMS	Chlorotoluene[4-]	5	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Chrysene	10	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Dibenz(a,h)-anthracene	10	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Dibenzofuran	10	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	VOAGCMS	Dibromo-3-chloropropane[1,2-]	10	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	VOAGCMS	Dibromoethane[1,2-]	5	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	VOAGCMS	Dibromomethane	5	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	VOAGCMS	Dichlorobenzene[1,2-]	5	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Dichlorobenzene[1,2-]	10	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	VOAGCMS	Dichlorobenzene[1,3-]	5	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Dichlorobenzene[1,3-]	10	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	VOAGCMS	Dichlorobenzene[1,4-]	5	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Dichlorobenzene[1,4-]	10	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Dichloro-benzidine[3,3'-]	20	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	VOAGCMS	Dichloro-difluoromethane	10	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	VOAGCMS	Dichloro-ethane[1,1-]	5	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	VOAGCMS	Dichloro-ethane[1,2-]	5	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	VOAGCMS	Dichloro-ethene[1,1-]	5	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	VOAGCMS	Dichloro-ethene[cis-1,2-]	10	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	VOAGCMS	Dichloro-ethene[trans-1,2-]	10	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Dichloro-phenol[2,4-]	10	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	VOAGCMS	Dichloro-propane[1,2-]	5	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	VOAGCMS	Dichloro-propane[1,3-]	5	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	VOAGCMS	Dichloro-propane[2,2-]	5	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	VOAGCMS	Dichloro-propene[1,1-]	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	VOAGCMS	Dichloro-propene[cis-1,3-]	5	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	VOAGCMS	Dichloro-propene[trans-1,3-]	5	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Diethylphthalate	10	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Dimethyl Phthalate	10	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Dimethylphenol[2,4-]	10	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Di-n-butylphthalate	10	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Dinitro-2-methylphenol[4,6-]	50	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Dinitrophenol[2,4-]	50	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Dinitrotoluene[2,4-]	10	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Dinitrotoluene[2,6-]	10	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Di-n-octylphthalate	10	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	VOAGCMS	Ethylbenzene	5	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Fluoranthene	10	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Fluorene	10	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Hexachloro-benzene	10	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Hexachloro-butadiene	10	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Hexachloro-cyclopentadiene	10	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Hexachloro-ethane	10	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	VOAGCMS	Hexanone[2-]	20	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Indeno(1,2,3-cd)pyrene	10	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	VOAGCMS	Iodomethane	5	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Isophorone	10	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	VOAGCMS	Isopropylbenzene	5	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	VOAGCMS	Isopropyltoluene[4-]	5	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	VOAGCMS	Methyl-2-pentanone[4-]	20	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	VOAGCMS	Methylene Chloride	5	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Methylnaphthalene[2-]	10	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Methylphenol[2-]	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Methylphenol[4-]	10	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Naphthalene	10	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Nitroaniline[2-]	50	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Nitroaniline[3-]	50	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Nitroaniline[4-]	20	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Nitrobenzene	10	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Nitrophenol[2-]	10	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Nitrophenol[4-]	50	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Nitrosodi-methylamine[N-]	10	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Nitroso-di-n-propylamine[N-]	10	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Nitrosodi-phenylamine[N-]	10	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Oxybis(1-chloropropane)[2,2'-]	10	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Pentachlorophenol	50	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Phenanthrene	10	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Phenol	10	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	VOAGCMS	Propylbenzene[1-]	5	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Pyrene	10	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	VOAGCMS	Styrene	5	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	VOAGCMS	Tetrachloroethane[1,1,1,2-]	5	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	VOAGCMS	Tetrachloroethane[1,1,2,2-]	5	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	VOAGCMS	Tetrachloroethene	5	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	VOAGCMS	Toluene	5	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	VOAGCMS	Trichloro--1,2,2-trifluoroethane[1,1,2-]	5	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Trichloro-benzene[1,2,4-]	10	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	VOAGCMS	Trichloro-ethane[1,1,1-]	5	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	VOAGCMS	Trichloro-ethane[1,1,2-]	5	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	VOAGCMS	Trichloro-ethene	5	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	VOAGCMS	Trichloro-fluoromethane	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Trichloro-phenol[2,4,5-]	50	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	SEMI	Trichloro-phenol[2,4,6-]	10	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	VOAGCMS	Trichloro-propane[1,2,3-]	5	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	VOAGCMS	Trimethylbenzene[1,2,4-]	5	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	VOAGCMS	Trimethylbenzene[1,3,5-]	5	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	VOAGCMS	Vinyl Chloride	10	UG/L	U
Not Applicable	16-2690	0316-97-3192	19-Dec-97	WGS	Unfiltered	VOAGCMS	Xylene (Total)	5	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Acenaphthene	11	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Acenaphthylene	11	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	VOAGCMS	Acetone	10	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Aniline	11	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Anthracene	11	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Azobenzene	11	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	VOAGCMS	Benzene	5	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Benzo(a)anthracene	11	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Benzo(a)pyrene	11	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Benzo(b)fluoranthene	11	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Benzo(g,h,i)perylene	11	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Benzo(k)fluoranthene	11	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Benzoic Acid	27	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Benzyl Alcohol	11	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Bis(2-chloroethoxy)methane	11	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Bis(2-chloroethyl)ether	11	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Bis(2-ethylhexyl)phthalate	1	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	VOAGCMS	Bromobenzene	5	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	VOAGCMS	Bromochloromethane	5	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	VOAGCMS	BromoDichloro-methane	5	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	VOAGCMS	Bromoform	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	VOAGCMS	Bromomethane	10	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Bromophenyl-phenylether[4-]	11	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	VOAGCMS	Butanone[2-]	10	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[n-]	5	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[sec-]	5	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[tert-]	5	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Butylbenzylphthalate	11	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	VOAGCMS	Carbon Disulfide	5	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	VOAGCMS	Carbon Tetrachloride	5	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Chloro-3-methylphenol[4-]	11	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Chloroaniline[4-]	11	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	VOAGCMS	Chlorobenzene	5	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	VOAGCMS	Chlorodibromo-methane	5	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	VOAGCMS	Chloroethane	10	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	VOAGCMS	Chloroform	5	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	VOAGCMS	Chloromethane	10	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Chloronaphthalene[2-]	11	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Chlorophenol[2-]	11	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Chlorophenyl-phenyl[4-] Ether	11	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	VOAGCMS	Chlorotoluene[2-]	5	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	VOAGCMS	Chlorotoluene[4-]	5	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Chrysene	11	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Dibenz(a,h)-anthracene	11	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Dibenzofuran	11	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	VOAGCMS	Dibromo-3-chloropropane[1,2-]	5	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	VOAGCMS	Dibromoethane[1,2-]	5	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	VOAGCMS	Dibromomethane	5	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,2-]	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,2-]	11	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,3-]	5	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,3-]	11	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,4-]	10	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,4-]	11	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Dichloro-benzidine[3,3'-]	11	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	VOAGCMS	Dichloro-difluoromethane	5	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethane[1,1-]	5	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethane[1,2-]	5	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[1,1-]	5	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[cis-1,2-]	5	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[trans-1,2-]	5	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[trans-1,2-]	5	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Dichloro-phenol[2,4-]	11	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[1,2-]	5	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[1,3-]	5	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[2,2-]	10	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[2,2-]	10	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[1,1-]	10	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[cis-1,3-]	5	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[trans-1,3-]	5	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Diethylphthalate	11	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Dimethyl Phthalate	11	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Dimethylphenol[2,4-]	11	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Di-n-butylphthalate	2	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Dinitro-2-methylphenol[4,6-]	27	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Dinitrophenol[2,4-]	27	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Dinitrotoluene[2,4-]	11	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Dinitrotoluene[2,6-]	1	UG/L	J
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Di-n-octylphthalate	11	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	VOAGCMS	Ethylbenzene	5	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Fluoranthene	11	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Fluorene	11	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Hexachloro-benzene	11	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Hexachloro-butadiene	11	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Hexachloro-cyclopentadiene	11	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Hexachloro-ethane	11	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	VOAGCMS	Hexanone[2-]	10	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Indeno(1,2,3-cd)pyrene	11	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	VOAGCMS	Iodomethane	5	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Isophorone	11	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	VOAGCMS	Isopropylbenzene	5	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	VOAGCMS	Isopropyltoluene[4-]	5	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	VOAGCMS	Methyl-2-pentanone[4-]	10	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	VOAGCMS	Methylene Chloride	10	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Methylnaphthalene[2-]	11	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Methylphenol[2-]	11	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Methylphenol[4-]	11	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Naphthalene	11	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Nitroaniline[2-]	27	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Nitroaniline[3-]	27	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Nitroaniline[4-]	27	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Nitrobenzene	11	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Nitrophenol[2-]	11	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Nitrophenol[4-]	27	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Nitrosodi-methylamine[N-]	11	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Nitroso-di-n-propylamine[N-]	11	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Nitrosodi-phenylamine[N-]	11	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Oxybis(1-chloropropane)[2,2'-]	11	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Pentachlorophenol	27	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Phenanthrene	11	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Phenol	11	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	VOAGCMS	Propylbenzene[1-]	5	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Pyrene	11	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	VOAGCMS	Styrene	5	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethane[1,1,1,2-]	5	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethane[1,1,2,2-]	10	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethene	5	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	VOAGCMS	Toluene	5	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	VOAGCMS	Trichloro--1,2,2-trifluoroethane[1,1,2-]	5	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Trichloro-benzene[1,2,4-]	11	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethane[1,1,1-]	5	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethane[1,1,2-]	5	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethene	5	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	VOAGCMS	Trichloro-fluoromethane	5	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Trichloro-phenol[2,4,5-]	27	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	SEMI	Trichloro-phenol[2,4,6-]	11	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	VOAGCMS	Trichloro-propane[1,2,3-]	5	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	VOAGCMS	Trimethylbenzene[1,2,4-]	5	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	VOAGCMS	Trimethylbenzene[1,3,5-]	5	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	VOAGCMS	Vinyl Chloride	10	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	VOAGCMS	Xylene (Total)	5	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	VOAGCMS	Xylene[1,2-]	5	UG/L	U
16-021(c)	16-2747	0816-96-0047	28-Jun-96	NAv	Unfiltered	VOAGCMS	Xylene[1,3-]	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Acenaphthene	11	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Acenaphthylene	11	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	VOAGCMS	Acetone	10	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Aniline	11	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Anthracene	11	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Azobenzene	11	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	VOAGCMS	Benzene	5	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Benzo(a)anthracene	11	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Benzo(a)pyrene	11	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Benzo(b)fluoranthene	11	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Benzo(g,h,i)perylene	11	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Benzo(k)fluoranthene	11	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Benzoic Acid	27	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Benzyl Alcohol	11	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Bis(2-chloroethoxy)methane	11	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Bis(2-chloroethyl)ether	11	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Bis(2-ethylhexyl)phthalate	2	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	VOAGCMS	Bromobenzene	5	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	VOAGCMS	Bromochloromethane	5	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	VOAGCMS	BromoDichloro-methane	5	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	VOAGCMS	Bromoform	10	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	VOAGCMS	Bromomethane	10	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Bromophenyl-phenylether[4-]	11	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	VOAGCMS	Butanone[2-]	10	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[n-]	5	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[sec-]	5	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[tert-]	5	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Butylbenzylphthalate	11	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	VOAGCMS	Carbon Disulfide	5	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	VOAGCMS	Carbon Tetrachloride	5	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Chloro-3-methylphenol[4-]	11	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Chloroaniline[4-]	11	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	VOAGCMS	Chlorobenzene	5	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	VOAGCMS	Chlorodibromo-methane	5	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	VOAGCMS	Chloroethane	10	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	VOAGCMS	Chloroform	5	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	VOAGCMS	Chloromethane	10	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Chloronaphthalene[2-]	11	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Chlorophenol[2-]	11	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Chlorophenyl-phenyl[4-] Ether	11	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	VOAGCMS	Chlorotoluene[2-]	5	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	VOAGCMS	Chlorotoluene[4-]	5	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Chrysene	11	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Dibenz(a,h)-anthracene	11	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Dibenzofuran	11	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	VOAGCMS	Dibromo-3-chloropropane[1,2-]	5	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	VOAGCMS	Dibromoethane[1,2-]	5	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	VOAGCMS	Dibromomethane	5	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,2-]	10	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,2-]	11	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,3-]	5	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,3-]	11	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,4-]	10	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,4-]	11	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Dichloro-benzidine[3,3'-]	11	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	VOAGCMS	Dichloro-difluoromethane	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethane[1,1-]	5	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethane[1,2-]	5	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[1,1-]	5	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[cis-1,2-]	5	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[trans-1,2-]	5	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[trans-1,2-]	5	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Dichloro-phenol[2,4-]	11	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[1,2-]	5	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[1,3-]	5	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[2,2-]	10	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[2,2-]	10	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[1,1-]	10	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[cis-1,3-]	5	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[trans-1,3-]	5	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Diethylphthalate	11	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Dimethyl Phthalate	11	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Dimethylphenol[2,4-]	11	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Di-n-butylphthalate	1	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Dinitro-2-methylphenol[4,6-]	27	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Dinitrophenol[2,4-]	27	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Dinitrotoluene[2,4-]	11	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Dinitrotoluene[2,6-]	11	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Di-n-octylphthalate	11	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	VOAGCMS	Ethylbenzene	5	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Fluoranthene	11	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Fluorene	11	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Hexachloro-benzene	11	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Hexachloro-butadiene	11	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Hexachloro-cyclopentadiene	11	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Hexachloro-ethane	11	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	VOAGCMS	Hexanone[2-]	10	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Indeno(1,2,3-cd)pyrene	11	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	VOAGCMS	Iodomethane	5	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Isophorone	11	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	VOAGCMS	Isopropylbenzene	5	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	VOAGCMS	Isopropyltoluene[4-]	5	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	VOAGCMS	Methyl-2-pentanone[4-]	10	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	VOAGCMS	Methylene Chloride	10	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Methylnaphthalene[2-]	11	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Methylphenol[2-]	11	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Methylphenol[4-]	11	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Naphthalene	11	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Nitroaniline[2-]	27	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Nitroaniline[3-]	27	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Nitroaniline[4-]	27	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Nitrobenzene	11	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Nitrophenol[2-]	11	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Nitrophenol[4-]	27	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Nitrosodi-methylamine[N-]	11	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Nitroso-di-n-propylamine[N-]	11	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Nitrosodi-phenylamine[N-]	11	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Oxybis(1-chloropropane)[2,2'-]	11	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Pentachlorophenol	27	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Phenanthrene	11	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Phenol	11	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	VOAGCMS	Propylbenzene[1-]	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Pyrene	11	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	VOAGCMS	Styrene	5	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethane[1,1,1,2-]	5	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethane[1,1,2,2-]	10	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethene	5	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	VOAGCMS	Toluene	5	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	VOAGCMS	Trichloro--1,2,2-trifluoroethane[1,1,2-]	5	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Trichloro-benzene[1,2,4-]	11	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethane[1,1,1-]	5	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethane[1,1,2-]	5	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethene	5	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	VOAGCMS	Trichloro-fluoromethane	5	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Trichloro-phenol[2,4,5-]	27	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	SEMI	Trichloro-phenol[2,4,6-]	11	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	VOAGCMS	Trichloro-propane[1,2,3-]	5	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	VOAGCMS	Trimethylbenzene[1,2,4-]	5	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	VOAGCMS	Trimethylbenzene[1,3,5-]	5	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	VOAGCMS	Vinyl Chloride	10	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	VOAGCMS	Xylene (Total)	5	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	VOAGCMS	Xylene[1,2-]	5	UG/L	U
16-021(c)	16-2748	0816-96-0048	28-Jun-96	NAv	Unfiltered	VOAGCMS	Xylene[1,3-]	5	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Acenaphthene	10	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Acenaphthylene	10	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	VOAGCMS	Acetone	20	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Aniline	10	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Anthracene	10	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Azobenzene	10	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	VOAGCMS	Benzene	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(a)anthracene	10	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(a)pyrene	10	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(b)fluoranthene	10	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(g,h,i)perylene	10	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(k)fluoranthene	10	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Benzoic Acid	100	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Benzyl Alcohol	40	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-chloroethoxy)methane	10	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-chloroethyl)ether	10	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-ethylhexyl)phthalate	10	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromobenzene	5	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromochloromethane	5	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	VOAGCMS	BromoDichloro-methane	5	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromoform	5	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromomethane	10	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Bromophenyl-phenylether[4-]	10	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butanone[2-]	20	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[n-]	5	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[sec-]	5	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[tert-]	5	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Butylbenzylphthalate	10	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Carbazole	10	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	VOAGCMS	Carbon Disulfide	5	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	VOAGCMS	Carbon Tetrachloride	5	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Chloro-3-methylphenol[4-]	20	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Chloroaniline[4-]	40	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorobenzene	5	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorodibromo-methane	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloroethane	10	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloroform	5	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloromethane	10	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Chloronaphthalene[2-]	10	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Chlorophenol[2-]	10	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Chlorophenyl-phenyl[4-] Ether	10	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorotoluene[2-]	5	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorotoluene[4-]	5	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Chrysene	10	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Dibenz(a,h)-anthracene	10	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Dibenzofuran	10	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromo-3-chloropropane[1,2-]	10	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromoethane[1,2-]	5	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromomethane	5	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,2-]	5	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,2-]	10	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,3-]	5	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,3-]	10	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,4-]	5	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,4-]	10	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Dichloro-benzidine[3,3'-]	20	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-difluoromethane	10	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethane[1,1-]	5	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethane[1,2-]	5	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[1,1-]	5	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[cis-1,2-]	5	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[trans-1,2-]	5	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Dichloro-phenol[2,4-]	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[1,2-]	5	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[1,3-]	5	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[2,2-]	5	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[1,1-]	5	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[cis-1,3-]	5	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[trans-1,3-]	5	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Diethylphthalate	10	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Dimethyl Phthalate	10	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Dimethylphenol[2,4-]	10	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Di-n-butylphthalate	10	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Dinitro-2-methylphenol[4,6-]	50	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrophenol[2,4-]	50	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrotoluene[2,4-]	10	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrotoluene[2,6-]	10	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Di-n-octylphthalate	10	UG/L	none
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	VOAGCMS	Ethylbenzene	5	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Fluoranthene	10	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Fluorene	10	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-benzene	10	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	VOAGCMS	Hexachloro-butadiene	5	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-butadiene	10	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-cyclopentadiene	10	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-ethane	10	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	VOAGCMS	Hexanone[2-]	20	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Indeno(1,2,3-cd)pyrene	10	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	VOAGCMS	Iodomethane	5	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Isophorone	10	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	VOAGCMS	Isopropylbenzene	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	VOAGCMS	Isopropyltoluene[4-]	5	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	VOAGCMS	Methyl-2-pentanone[4-]	20	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	VOAGCMS	Methylene Chloride	5	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Methylnaphthalene[2-]	10	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Methylphenol[2-]	10	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Methylphenol[4-]	10	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	VOAGCMS	Naphthalene	5	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Naphthalene	10	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[2-]	50	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[3-]	50	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[4-]	20	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Nitrobenzene	10	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Nitrophenol[2-]	10	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Nitrophenol[4-]	50	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Nitrosodi-methylamine[N-]	10	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Nitroso-di-n-propylamine[N-]	10	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Nitrosodi-phenylamine[N-]	10	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Oxybis(1-chloropropane)[2,2'-]	10	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Pentachlorophenol	50	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Phenanthrene	10	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Phenol	10	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	VOAGCMS	Propylbenzene[1-]	5	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Pyrene	10	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Pyridine	10	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	VOAGCMS	Styrene	5	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethane[1,1,1,2-]	5	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethane[1,1,2,2-]	5	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethene	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	VOAGCMS	Toluene	5	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro--1,2,2-trifluoroethane[1,1,2-]	5	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-benzene[1,2,3-]	5	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-benzene[1,2,4-]	5	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-benzene[1,2,4-]	10	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethane[1,1,1-]	5	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethane[1,1,2-]	5	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethene	5	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-fluoromethane	5	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-phenol[2,4,5-]	50	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-phenol[2,4,6-]	10	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-propane[1,2,3-]	5	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trimethylbenzene[1,2,4-]	5	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trimethylbenzene[1,3,5-]	5	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	VOAGCMS	Vinyl Chloride	10	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	VOAGCMS	Xylene (Total)	5	UG/L	U
16-021(c)	16-2757	0816-96-0091	6-Sep-96	NAv	Unfiltered	VOAGCMS	Xylene[1,2-]	5	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Acenaphthene	10	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Acenaphthylene	10	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	VOAGCMS	Acetone	20	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Aniline	10	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Anthracene	10	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Azobenzene	10	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	VOAGCMS	Benzene	5	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(a)anthracene	10	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(a)pyrene	10	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(b)fluoranthene	10	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(g,h,i)perylene	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(k)fluoranthene	10	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Benzoic Acid	100	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Benzyl Alcohol	40	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-chloroethoxy)methane	10	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-chloroethyl)ether	10	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-ethylhexyl)phthalate	10	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromobenzene	5	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromochloromethane	5	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	VOAGCMS	BromoDichloro-methane	5	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromoform	5	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromomethane	10	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Bromophenyl-phenylether[4-]	10	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butanone[2-]	20	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[n-]	5	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[sec-]	5	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[tert-]	5	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Butylbenzylphthalate	10	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Carbazole	10	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	VOAGCMS	Carbon Disulfide	5	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	VOAGCMS	Carbon Tetrachloride	5	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Chloro-3-methylphenol[4-]	20	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Chloroaniline[4-]	40	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorobenzene	5	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorodibromo-methane	5	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloroethane	10	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloroform	5	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloromethane	10	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Chloronaphthalene[2-]	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Chlorophenol[2-]	10	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Chlorophenyl-phenyl[4-] Ether	10	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorotoluene[2-]	5	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorotoluene[4-]	5	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Chrysene	10	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Dibenz(a,h)-anthracene	10	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Dibenzofuran	10	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromo-3-chloropropane[1,2-]	10	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromoethane[1,2-]	5	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromomethane	5	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,2-]	5	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,2-]	10	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,3-]	5	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,3-]	10	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,4-]	5	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,4-]	10	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Dichloro-benzidine[3,3'-]	20	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-difluoromethane	10	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethane[1,1-]	5	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethane[1,2-]	5	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[1,1-]	5	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[cis-1,2-]	5	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[trans-1,2-]	5	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Dichloro-phenol[2,4-]	10	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[1,2-]	5	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[1,3-]	5	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[2,2-]	5	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[1,1-]	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[cis-1,3-]	5	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[trans-1,3-]	5	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Diethylphthalate	10	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Dimethyl Phthalate	10	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Dimethylphenol[2,4-]	10	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Di-n-butylphthalate	10	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Dinitro-2-methylphenol[4,6-]	50	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrophenol[2,4-]	50	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrotoluene[2,4-]	10	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrotoluene[2,6-]	10	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Di-n-octylphthalate	10	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	VOAGCMS	Ethylbenzene	5	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Fluoranthene	10	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Fluorene	10	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-benzene	10	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	VOAGCMS	Hexachloro-butadiene	5	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-butadiene	10	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-cyclopentadiene	10	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-ethane	10	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	VOAGCMS	Hexanone[2-]	20	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Indeno(1,2,3-cd)pyrene	10	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	VOAGCMS	Iodomethane	5	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Isophorone	10	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	VOAGCMS	Isopropylbenzene	5	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	VOAGCMS	Isopropyltoluene[4-]	5	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	VOAGCMS	Methyl-2-pentanone[4-]	20	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	VOAGCMS	Methylene Chloride	5	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Methylnaphthalene[2-]	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Methylphenol[2-]	10	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Methylphenol[4-]	10	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	VOAGCMS	Naphthalene	5	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Naphthalene	10	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[2-]	50	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[3-]	50	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[4-]	20	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Nitrobenzene	10	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Nitrophenol[2-]	10	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Nitrophenol[4-]	50	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Nitrosodi-methylamine[N-]	10	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Nitroso-di-n-propylamine[N-]	10	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Nitrosodi-phenylamine[N-]	10	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Oxybis(1-chloropropane)[2,2'-]	10	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Pentachlorophenol	50	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Phenanthrene	10	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Phenol	10	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	VOAGCMS	Propylbenzene[1-]	5	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Pyrene	10	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Pyridine	10	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	VOAGCMS	Styrene	5	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethane[1,1,1,2-]	5	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethane[1,1,2,2-]	5	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethene	5	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	VOAGCMS	Toluene	5	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-1,2,2-trifluoroethane[1,1,2-]	5	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-benzene[1,2,3-]	5	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-benzene[1,2,4-]	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-benzene[1,2,4-]	10	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethane[1,1,1-]	5	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethane[1,1,2-]	5	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethene	5	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-fluoromethane	5	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-phenol[2,4,5-]	50	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-phenol[2,4,6-]	10	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-propane[1,2,3-]	5	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trimethylbenzene[1,2,4-]	5	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trimethylbenzene[1,3,5-]	5	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	VOAGCMS	Vinyl Chloride	10	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	VOAGCMS	Xylene (Total)	5	UG/L	U
16-021(c)	16-2758	0816-96-0092	6-Sep-96	NAv	Unfiltered	VOAGCMS	Xylene[1,2-]	5	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Acenaphthene	10	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Acenaphthylene	10	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	VOAGCMS	Acetone	20	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Aniline	10	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Anthracene	10	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Azobenzene	10	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	VOAGCMS	Benzene	5	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(a)anthracene	10	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(a)pyrene	10	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(b)fluoranthene	10	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(g,h,i)perylene	10	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(k)fluoranthene	10	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Benzoic Acid	100	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Benzyl Alcohol	40	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-chloroethoxy)methane	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-chloroethyl)ether	10	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-ethylhexyl)phthalate	3	UG/L	J
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromobenzene	5	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromochloromethane	5	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	VOAGCMS	BromoDichloro-methane	5	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromoform	5	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromomethane	10	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Bromophenyl-phenylether[4-]	10	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butanone[2-]	20	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[n-]	5	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[sec-]	5	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[tert-]	5	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Butylbenzylphthalate	10	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Carbazole	10	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	VOAGCMS	Carbon Disulfide	5	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	VOAGCMS	Carbon Tetrachloride	5	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Chloro-3-methylphenol[4-]	20	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Chloroaniline[4-]	40	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorobenzene	5	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorodibromo-methane	5	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloroethane	10	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloroform	5	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloromethane	10	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Chloronaphthalene[2-]	10	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Chlorophenol[2-]	10	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Chlorophenyl-phenyl[4-] Ether	10	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorotoluene[2-]	5	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorotoluene[4-]	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Chrysene	10	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Dibenz(a,h)-anthracene	10	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Dibenzofuran	10	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromo-3-chloropropane[1,2-]	10	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromoethane[1,2-]	5	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromomethane	5	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,2-]	5	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,2-]	10	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,3-]	5	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,3-]	10	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,4-]	5	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,4-]	10	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Dichloro-benzidine[3,3'-]	20	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-difluoromethane	10	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethane[1,1-]	5	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethane[1,2-]	5	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[1,1-]	5	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[cis-1,2-]	5	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[trans-1,2-]	5	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Dichloro-phenol[2,4-]	10	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[1,2-]	5	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[1,3-]	5	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[2,2-]	5	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[1,1-]	5	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[cis-1,3-]	5	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[trans-1,3-]	5	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Diethylphthalate	10	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Dimethyl Phthalate	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Dimethylphenol[2,4-]	10	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Di-n-butylphthalate	10	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Dinitro-2-methylphenol[4,6-]	50	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrophenol[2,4-]	50	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrotoluene[2,4-]	10	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrotoluene[2,6-]	10	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Di-n-octylphthalate	10	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	VOAGCMS	Ethylbenzene	5	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Fluoranthene	10	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Fluorene	10	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-benzene	10	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	VOAGCMS	Hexachloro-butadiene	5	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-butadiene	10	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-cyclopentadiene	10	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-ethane	10	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	VOAGCMS	Hexanone[2-]	20	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Indeno(1,2,3-cd)pyrene	10	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	VOAGCMS	Iodomethane	5	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Isophorone	10	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	VOAGCMS	Isopropylbenzene	5	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	VOAGCMS	Isopropyltoluene[4-]	5	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	VOAGCMS	Methyl-2-pentanone[4-]	20	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	VOAGCMS	Methylene Chloride	5	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Methylnaphthalene[2-]	10	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Methylphenol[2-]	10	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Methylphenol[4-]	10	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	VOAGCMS	Naphthalene	5	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Naphthalene	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[2-]	50	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[3-]	50	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[4-]	20	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Nitrobenzene	10	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Nitrophenol[2-]	10	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Nitrophenol[4-]	50	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Nitrosodi-methylamine[N-]	10	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Nitroso-di-n-propylamine[N-]	10	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Nitrosodi-phenylamine[N-]	10	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Oxybis(1-chloropropane)[2,2'-]	10	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Pentachlorophenol	50	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Phenanthrene	10	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Phenol	10	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	VOAGCMS	Propylbenzene[1-]	5	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Pyrene	10	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Pyridine	10	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	VOAGCMS	Styrene	5	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethane[1,1,1,2-]	5	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethane[1,1,2,2-]	5	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethene	5	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	VOAGCMS	Toluene	5	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro--1,2,2-trifluoroethane[1,1,2-]	5	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-benzene[1,2,3-]	5	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-benzene[1,2,4-]	5	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-benzene[1,2,4-]	10	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethane[1,1,1-]	5	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethane[1,1,2-]	5	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethene	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-fluoromethane	5	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-phenol[2,4,5-]	50	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-phenol[2,4,6-]	10	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-propane[1,2,3-]	5	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trimethylbenzene[1,2,4-]	5	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trimethylbenzene[1,3,5-]	5	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	VOAGCMS	Vinyl Chloride	10	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	VOAGCMS	Xylene (Total)	5	UG/L	U
16-018	16-2759	0816-96-0093	6-Sep-96	NAv	Unfiltered	VOAGCMS	Xylene[1,2-]	5	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Acenaphthene	10	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Acenaphthylene	10	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	VOAGCMS	Acetone	20	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Aniline	10	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Anthracene	10	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Azobenzene	10	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	VOAGCMS	Benzene	5	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(a)anthracene	10	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(a)pyrene	10	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(b)fluoranthene	10	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(g,h,i)perylene	10	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(k)fluoranthene	10	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Benzoic Acid	100	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Benzyl Alcohol	40	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-chloroethoxy)methane	10	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-chloroethyl)ether	10	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-ethylhexyl)phthalate	3	UG/L	J
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromobenzene	5	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromochloromethane	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	VOAGCMS	BromoDichloro-methane	5	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromoform	5	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromomethane	10	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Bromophenyl-phenylether[4-]	10	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butanone[2-]	20	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[n-]	5	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[sec-]	5	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[tert-]	5	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Butylbenzylphthalate	10	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Carbazole	10	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	VOAGCMS	Carbon Disulfide	5	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	VOAGCMS	Carbon Tetrachloride	5	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Chloro-3-methylphenol[4-]	20	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Chloroaniline[4-]	40	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorobenzene	5	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorodibromo-methane	5	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloroethane	10	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloroform	5	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloromethane	10	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Chloronaphthalene[2-]	10	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Chlorophenol[2-]	10	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Chlorophenyl-phenyl[4-] Ether	10	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorotoluene[2-]	5	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorotoluene[4-]	5	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Chrysene	10	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Dibenz(a,h)-anthracene	10	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Dibenzofuran	10	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromo-3-chloropropane[1,2-]	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromoethane[1,2-]	5	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromomethane	5	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,2-]	5	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,2-]	10	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,3-]	5	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,3-]	10	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,4-]	5	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,4-]	10	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Dichloro-benzidine[3,3'-]	20	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-difluoromethane	10	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethane[1,1-]	5	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethane[1,2-]	5	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[1,1-]	5	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[cis-1,2-]	5	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[trans-1,2-]	5	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Dichloro-phenol[2,4-]	10	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[1,2-]	5	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[1,3-]	5	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[2,2-]	5	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[1,1-]	5	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[cis-1,3-]	5	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[trans-1,3-]	5	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Diethylphthalate	10	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Dimethyl Phthalate	10	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Dimethylphenol[2,4-]	10	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Di-n-butylphthalate	10	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Dinitro-2-methylphenol[4,6-]	50	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrophenol[2,4-]	50	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrotoluene[2,4-]	10	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrotoluene[2,6-]	10	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Di-n-octylphthalate	10	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	VOAGCMS	Ethylbenzene	5	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Fluoranthene	10	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Fluorene	10	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-benzene	10	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	VOAGCMS	Hexachloro-butadiene	5	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-butadiene	10	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-cyclopentadiene	10	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-ethane	10	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	VOAGCMS	Hexanone[2-]	20	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Indeno(1,2,3-cd)pyrene	10	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	VOAGCMS	Iodomethane	5	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Isophorone	10	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	VOAGCMS	Isopropylbenzene	5	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	VOAGCMS	Isopropyltoluene[4-]	5	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	VOAGCMS	Methyl-2-pentanone[4-]	20	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	VOAGCMS	Methylene Chloride	5	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Methylnaphthalene[2-]	10	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Methylphenol[2-]	10	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Methylphenol[4-]	10	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	VOAGCMS	Naphthalene	5	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Naphthalene	10	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[2-]	50	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[3-]	50	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[4-]	20	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Nitrobenzene	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Nitrophenol[2-]	10	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Nitrophenol[4-]	50	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Nitrosodi-methylamine[N-]	10	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Nitroso-di-n-propylamine[N-]	10	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Nitrosodi-phenylamine[N-]	10	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Oxybis(1-chloropropane)[2,2'-]	10	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Pentachlorophenol	50	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Phenanthrene	10	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Phenol	10	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	VOAGCMS	Propylbenzene[1-]	5	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Pyrene	10	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Pyridine	10	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	VOAGCMS	Styrene	5	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethane[1,1,1,2-]	5	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethane[1,1,2,2-]	5	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethene	5	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	VOAGCMS	Toluene	5	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro--1,2,2-trifluoroethane[1,1,2-]	5	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-benzene[1,2,3-]	5	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-benzene[1,2,4-]	5	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-benzene[1,2,4-]	10	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethane[1,1,1-]	5	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethane[1,1,2-]	5	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethene	5	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-fluoromethane	5	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-phenol[2,4,5-]	50	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-phenol[2,4,6-]	10	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-propane[1,2,3-]	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trimethylbenzene[1,2,4-]	5	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trimethylbenzene[1,3,5-]	5	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	VOAGCMS	Vinyl Chloride	10	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	VOAGCMS	Xylene (Total)	5	UG/L	U
16-018	16-2760	0816-96-0094	6-Sep-96	NAv	Unfiltered	VOAGCMS	Xylene[1,2-]	5	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Acenaphthene	10	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Acenaphthylene	10	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	VOAGCMS	Acetone	20	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Aniline	10	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Anthracene	10	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Azobenzene	10	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	VOAGCMS	Benzene	5	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(a)anthracene	10	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(a)pyrene	10	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(b)fluoranthene	10	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(g,h,i)perylene	10	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(k)fluoranthene	10	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Benzoic Acid	100	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Benzyl Alcohol	40	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-chloroethoxy)methane	10	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-chloroethyl)ether	10	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-ethylhexyl)phthalate	10	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromobenzene	5	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromochloromethane	5	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	VOAGCMS	BromoDichloro-methane	5	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromoform	5	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromomethane	10	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Bromophenyl-phenylether[4-]	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butanone[2-]	20	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[n-]	5	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[sec-]	5	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[tert-]	5	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Butylbenzylphthalate	10	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Carbazole	10	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	VOAGCMS	Carbon Disulfide	5	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	VOAGCMS	Carbon Tetrachloride	5	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Chloro-3-methylphenol[4-]	20	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Chloroaniline[4-]	40	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorobenzene	5	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorodibromo-methane	5	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloroethane	10	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloroform	5	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloromethane	10	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Chloronaphthalene[2-]	10	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Chlorophenol[2-]	10	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Chlorophenyl-phenyl[4-] Ether	10	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorotoluene[2-]	5	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorotoluene[4-]	5	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Chrysene	10	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Dibenz(a,h)-anthracene	10	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Dibenzofuran	10	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromo-3-chloropropane[1,2-]	10	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromoethane[1,2-]	5	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromomethane	5	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,2-]	5	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,2-]	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,3-]	5	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,3-]	10	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,4-]	5	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,4-]	10	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Dichloro-benzidine[3,3'-]	20	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-difluoromethane	10	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethane[1,1-]	5	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethane[1,2-]	5	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[1,1-]	5	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[cis-1,2-]	5	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[trans-1,2-]	5	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Dichloro-phenol[2,4-]	10	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[1,2-]	5	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[1,3-]	5	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[2,2-]	5	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[1,1-]	5	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[cis-1,3-]	5	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[trans-1,3-]	5	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Diethylphthalate	10	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Dimethyl Phthalate	10	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Dimethylphenol[2,4-]	10	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Di-n-butylphthalate	10	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Dinitro-2-methylphenol[4,6-]	50	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrophenol[2,4-]	50	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrotoluene[2,4-]	10	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrotoluene[2,6-]	10	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Di-n-octylphthalate	10	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	VOAGCMS	Ethylbenzene	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Fluoranthene	10	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Fluorene	10	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-benzene	10	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	VOAGCMS	Hexachloro-butadiene	5	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-butadiene	10	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-cyclopentadiene	10	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-ethane	10	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	VOAGCMS	Hexanone[2-]	20	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Indeno(1,2,3-cd)pyrene	10	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	VOAGCMS	Iodomethane	5	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Isophorone	10	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	VOAGCMS	Isopropylbenzene	5	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	VOAGCMS	Isopropyltoluene[4-]	5	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	VOAGCMS	Methyl-2-pentanone[4-]	20	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	VOAGCMS	Methylene Chloride	5	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Methylnaphthalene[2-]	10	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Methylphenol[2-]	10	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Methylphenol[4-]	10	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	VOAGCMS	Naphthalene	5	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Naphthalene	10	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[2-]	50	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[3-]	50	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[4-]	20	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Nitrobenzene	10	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Nitrophenol[2-]	10	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Nitrophenol[4-]	50	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Nitrosodi-methylamine[N-]	10	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Nitroso-di-n-propylamine[N-]	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Nitrosodi-phenylamine[N-]	10	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Oxybis(1-chloropropane)[2,2'-]	10	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Pentachlorophenol	50	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Phenanthrene	10	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Phenol	10	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	VOAGCMS	Propylbenzene[1-]	5	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Pyrene	10	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Pyridine	10	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	VOAGCMS	Styrene	5	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethane[1,1,1,2-]	5	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethane[1,1,2,2-]	5	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethene	5	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	VOAGCMS	Toluene	5	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro--1,2,2-trifluoroethane[1,1,2-]	5	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-benzene[1,2,3-]	5	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-benzene[1,2,4-]	5	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-benzene[1,2,4-]	10	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethane[1,1,1-]	5	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethane[1,1,2-]	5	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethene	5	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-fluoromethane	5	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-phenol[2,4,5-]	50	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-phenol[2,4,6-]	10	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-propane[1,2,3-]	5	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trimethylbenzene[1,2,4-]	5	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trimethylbenzene[1,3,5-]	5	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	VOAGCMS	Vinyl Chloride	10	UG/L	U
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	VOAGCMS	Xylene (Total)	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2761	0816-96-0095	6-Sep-96	NAv	Unfiltered	VOAGCMS	Xylene[1,2-]	5	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Acenaphthene	10	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Acenaphthylene	10	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	VOAGCMS	Acetone	20	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Aniline	10	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Anthracene	10	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Azobenzene	10	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	VOAGCMS	Benzene	5	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(a)anthracene	10	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(a)pyrene	10	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(b)fluoranthene	10	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(g,h,i)perylene	10	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(k)fluoranthene	10	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Benzoic Acid	100	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Benzyl Alcohol	40	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-chloroethoxy)methane	10	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-chloroethyl)ether	10	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-ethylhexyl)phthalate	10	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromobenzene	5	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromochloromethane	5	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	VOAGCMS	BromoDichloro-methane	5	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromoform	5	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromomethane	10	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Bromophenyl-phenylether[4-]	10	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butanone[2-]	20	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[n-]	5	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[sec-]	5	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[tert-]	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Butylbenzylphthalate	10	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Carbazole	10	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	VOAGCMS	Carbon Disulfide	5	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	VOAGCMS	Carbon Tetrachloride	5	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Chloro-3-methylphenol[4-]	20	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Chloroaniline[4-]	40	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorobenzene	5	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorodibromo-methane	5	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloroethane	10	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloroform	5	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloromethane	10	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Chloronaphthalene[2-]	10	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Chlorophenol[2-]	10	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Chlorophenyl-phenyl[4-] Ether	10	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorotoluene[2-]	5	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorotoluene[4-]	5	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Chrysene	10	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Dibenz(a,h)-anthracene	10	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Dibenzofuran	10	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromo-3-chloropropane[1,2-]	10	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromoethane[1,2-]	5	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromomethane	5	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,2-]	5	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,2-]	10	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,3-]	5	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,3-]	10	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,4-]	5	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,4-]	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Dichloro-benzidine[3,3'-]	20	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-difluoromethane	10	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethane[1,1-]	5	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethane[1,2-]	5	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[1,1-]	5	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[cis-1,2-]	5	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[trans-1,2-]	5	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Dichloro-phenol[2,4-]	10	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[1,2-]	5	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[1,3-]	5	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[2,2-]	5	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[1,1-]	5	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[cis-1,3-]	5	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[trans-1,3-]	5	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Diethylphthalate	10	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Dimethyl Phthalate	10	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Dimethylphenol[2,4-]	10	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Di-n-butylphthalate	10	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Dinitro-2-methylphenol[4,6-]	50	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrophenol[2,4-]	50	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrotoluene[2,4-]	10	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrotoluene[2,6-]	10	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Di-n-octylphthalate	10	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	VOAGCMS	Ethylbenzene	5	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Fluoranthene	10	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Fluorene	10	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-benzene	10	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	VOAGCMS	Hexachloro-butadiene	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-butadiene	10	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-cyclopentadiene	10	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-ethane	10	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	VOAGCMS	Hexanone[2-]	20	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Indeno(1,2,3-cd)pyrene	10	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	VOAGCMS	Iodomethane	5	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Isophorone	10	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	VOAGCMS	Isopropylbenzene	5	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	VOAGCMS	Isopropyltoluene[4-]	5	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	VOAGCMS	Methyl-2-pentanone[4-]	20	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	VOAGCMS	Methylene Chloride	5	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Methylnaphthalene[2-]	10	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Methylphenol[2-]	10	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Methylphenol[4-]	10	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	VOAGCMS	Naphthalene	5	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Naphthalene	10	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[2-]	50	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[3-]	50	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[4-]	20	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Nitrobenzene	10	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Nitrophenol[2-]	10	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Nitrophenol[4-]	50	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Nitrosodi-methylamine[N-]	10	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Nitroso-di-n-propylamine[N-]	10	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Nitrosodi-phenylamine[N-]	10	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Oxybis(1-chloropropane)[2,2'-]	10	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Pentachlorophenol	50	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Phenanthrene	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Phenol	10	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	VOAGCMS	Propylbenzene[1-]	5	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Pyrene	10	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Pyridine	10	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	VOAGCMS	Styrene	5	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethane[1,1,1,2-]	5	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethane[1,1,2,2-]	5	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethene	5	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	VOAGCMS	Toluene	5	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro--1,2,2-trifluoroethane[1,1,2-]	5	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-benzene[1,2,3-]	5	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-benzene[1,2,4-]	5	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-benzene[1,2,4-]	10	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethane[1,1,1-]	5	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethane[1,1,2-]	5	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethene	5	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-fluoromethane	5	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-phenol[2,4,5-]	50	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-phenol[2,4,6-]	10	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-propane[1,2,3-]	5	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trimethylbenzene[1,2,4-]	5	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trimethylbenzene[1,3,5-]	5	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	VOAGCMS	Vinyl Chloride	10	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	VOAGCMS	Xylene (Total)	5	UG/L	U
16-018	16-2762	0816-96-0096	6-Sep-96	NAv	Unfiltered	VOAGCMS	Xylene[1,2-]	5	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Acenaphthene	10	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Acenaphthylene	10	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	VOAGCMS	Acetone	8	UG/L	J

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Aniline	10	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Anthracene	10	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Azobenzene	10	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	VOAGCMS	Benzene	5	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(a)anthracene	10	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(a)pyrene	10	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(b)fluoranthene	10	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(g,h,i)perylene	10	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(k)fluoranthene	10	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Benzoic Acid	100	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Benzyl Alcohol	40	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-chloroethoxy)methane	10	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-chloroethyl)ether	10	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-ethylhexyl)phthalate	10	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromobenzene	5	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromochloromethane	5	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	VOAGCMS	BromoDichloro-methane	5	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromoform	5	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromomethane	10	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Bromophenyl-phenylether[4-]	10	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butanone[2-]	20	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[n-]	5	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[sec-]	5	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[tert-]	5	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Butylbenzylphthalate	10	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Carbazole	10	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	VOAGCMS	Carbon Disulfide	5	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	VOAGCMS	Carbon Tetrachloride	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Chloro-3-methylphenol[4-]	20	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Chloroaniline[4-]	40	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorobenzene	5	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorodibromo-methane	5	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloroethane	10	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloroform	5	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloromethane	10	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Chloronaphthalene[2-]	10	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Chlorophenol[2-]	10	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Chlorophenyl-phenyl[4-] Ether	10	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorotoluene[2-]	5	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorotoluene[4-]	5	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Chrysene	10	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Dibenz(a,h)-anthracene	10	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Dibenzofuran	10	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromo-3-chloropropane[1,2-]	10	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromoethane[1,2-]	5	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromomethane	5	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,2-]	5	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,2-]	10	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,3-]	5	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,3-]	10	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,4-]	5	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,4-]	10	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Dichloro-benzidine[3,3'-]	20	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-difluoromethane	10	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethane[1,1-]	5	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethane[1,2-]	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[1,1-]	5	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[cis-1,2-]	5	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[trans-1,2-]	5	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Dichloro-phenol[2,4-]	10	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[1,2-]	5	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[1,3-]	5	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[2,2-]	5	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[1,1-]	5	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[cis-1,3-]	5	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[trans-1,3-]	5	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Diethylphthalate	10	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Dimethyl Phthalate	10	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Dimethylphenol[2,4-]	10	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Di-n-butylphthalate	10	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Dinitro-2-methylphenol[4,6-]	50	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrophenol[2,4-]	50	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrotoluene[2,4-]	10	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrotoluene[2,6-]	10	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Di-n-octylphthalate	10	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	VOAGCMS	Ethylbenzene	5	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Fluoranthene	10	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Fluorene	10	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-benzene	10	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	VOAGCMS	Hexachloro-butadiene	5	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-butadiene	10	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-cyclopentadiene	10	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-ethane	10	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	VOAGCMS	Hexanone[2-]	20	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Indeno(1,2,3-cd)pyrene	10	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	VOAGCMS	Iodomethane	5	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Isophorone	10	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	VOAGCMS	Isopropylbenzene	5	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	VOAGCMS	Isopropyltoluene[4-]	5	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	VOAGCMS	Methyl-2-pentanone[4-]	20	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	VOAGCMS	Methylene Chloride	5	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Methylnaphthalene[2-]	10	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Methylphenol[2-]	10	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Methylphenol[4-]	10	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	VOAGCMS	Naphthalene	5	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Naphthalene	10	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[2-]	50	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[3-]	50	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[4-]	20	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Nitrobenzene	10	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Nitrophenol[2-]	10	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Nitrophenol[4-]	50	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Nitrosodi-methylamine[N-]	10	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Nitroso-di-n-propylamine[N-]	10	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Nitrosodi-phenylamine[N-]	10	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Oxybis(1-chloropropane)[2,2'-]	10	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Pentachlorophenol	50	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Phenanthrene	10	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Phenol	10	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	VOAGCMS	Propylbenzene[1-]	5	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Pyrene	10	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Pyridine	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	VOAGCMS	Styrene	5	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethane[1,1,1,2-]	5	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethane[1,1,2,2-]	5	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethene	5	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	VOAGCMS	Toluene	5	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro--1,2,2-trifluoroethane[1,1,2-]	5	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-benzene[1,2,3-]	5	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-benzene[1,2,4-]	5	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-benzene[1,2,4-]	10	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethane[1,1,1-]	5	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethane[1,1,2-]	5	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethene	5	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-fluoromethane	5	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-phenol[2,4,5-]	50	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-phenol[2,4,6-]	10	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-propane[1,2,3-]	5	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trimethylbenzene[1,2,4-]	5	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trimethylbenzene[1,3,5-]	5	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	VOAGCMS	Vinyl Chloride	10	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	VOAGCMS	Xylene (Total)	5	UG/L	U
16-018	16-2763	0816-96-0097	6-Sep-96	NAv	Unfiltered	VOAGCMS	Xylene[1,2-]	5	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Acenaphthene	10	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Acenaphthylene	10	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	VOAGCMS	Acetone	20	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Aniline	10	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Anthracene	10	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Azobenzene	10	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	VOAGCMS	Benzene	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(a)anthracene	10	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(a)pyrene	10	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(b)fluoranthene	10	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(g,h,i)perylene	10	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(k)fluoranthene	0.01	MG/KG	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Benzoic Acid	100	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Benzyl Alcohol	40	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-chloroethoxy)methane	10	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-chloroethyl)ether	10	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-ethylhexyl)phthalate	10	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromobenzene	5	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromochloromethane	5	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	VOAGCMS	BromoDichloro-methane	5	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromoform	5	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromomethane	10	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Bromophenyl-phenylether[4-]	10	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butanone[2-]	20	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[n-]	5	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[sec-]	5	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[tert-]	5	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Butylbenzylphthalate	10	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Carbazole	10	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	VOAGCMS	Carbon Disulfide	5	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	VOAGCMS	Carbon Tetrachloride	5	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Chloro-3-methylphenol[4-]	20	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Chloroaniline[4-]	40	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorobenzene	5	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorodibromo-methane	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloroethane	10	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloroform	5	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloromethane	10	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Chloronaphthalene[2-]	10	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Chlorophenol[2-]	10	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Chlorophenyl-phenyl[4-] Ether	10	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorotoluene[2-]	5	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorotoluene[4-]	5	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Chrysene	10	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Dibenz(a,h)-anthracene	10	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Dibenzofuran	10	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromo-3-chloropropane[1,2-]	10	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromoethane[1,2-]	5	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromomethane	5	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,2-]	5	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,2-]	10	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,3-]	5	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,3-]	10	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,4-]	5	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,4-]	10	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Dichloro-benzidine[3,3'-]	20	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-difluoromethane	10	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethane[1,1-]	5	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethane[1,2-]	5	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[1,1-]	5	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[cis-1,2-]	5	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[trans-1,2-]	5	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Dichloro-phenol[2,4-]	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[1,2-]	5	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[1,3-]	5	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[2,2-]	5	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[1,1-]	5	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[cis-1,3-]	5	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[trans-1,3-]	5	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Diethylphthalate	10	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Dimethyl Phthalate	10	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Dimethylphenol[2,4-]	10	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Di-n-butylphthalate	10	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Dinitro-2-methylphenol[4,6-]	50	UG/L	none
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrophenol[2,4-]	50	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrotoluene[2,4-]	10	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrotoluene[2,6-]	10	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Di-n-octylphthalate	10	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	VOAGCMS	Ethylbenzene	5	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Fluoranthene	10	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Fluorene	10	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-benzene	10	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	VOAGCMS	Hexachloro-butadiene	5	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-butadiene	10	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-cyclopentadiene	10	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-ethane	10	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	VOAGCMS	Hexanone[2-]	20	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Indeno(1,2,3-cd)pyrene	10	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	VOAGCMS	Iodomethane	5	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Isophorone	10	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	VOAGCMS	Isopropylbenzene	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	VOAGCMS	Isopropyltoluene[4-]	5	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	VOAGCMS	Methyl-2-pentanone[4-]	20	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	VOAGCMS	Methylene Chloride	5	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Methylnaphthalene[2-]	10	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Methylphenol[2-]	10	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Methylphenol[4-]	10	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	VOAGCMS	Naphthalene	5	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Naphthalene	10	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[2-]	50	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[3-]	50	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[4-]	20	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Nitrobenzene	10	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Nitrophenol[2-]	10	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Nitrophenol[4-]	50	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Nitrosodi-methylamine[N-]	10	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Nitroso-di-n-propylamine[N-]	10	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Nitrosodi-phenylamine[N-]	10	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Oxybis(1-chloropropane)[2,2'-]	10	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Pentachlorophenol	50	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Phenanthrene	10	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Phenol	10	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	VOAGCMS	Propylbenzene[1-]	5	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Pyrene	10	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Pyridine	10	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	VOAGCMS	Styrene	5	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethane[1,1,1,2-]	5	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethane[1,1,2,2-]	5	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethene	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	VOAGCMS	Toluene	5	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro--1,2,2-trifluoroethane[1,1,2-]	5	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-benzene[1,2,3-]	5	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-benzene[1,2,4-]	5	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-benzene[1,2,4-]	10	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethane[1,1,1-]	5	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethane[1,1,2-]	5	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethene	5	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-fluoromethane	5	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-phenol[2,4,5-]	50	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-phenol[2,4,6-]	10	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-propane[1,2,3-]	5	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trimethylbenzene[1,2,4-]	5	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trimethylbenzene[1,3,5-]	5	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	VOAGCMS	Vinyl Chloride	10	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	VOAGCMS	Xylene (Total)	5	UG/L	U
16-018	16-2764	0816-96-0098	6-Sep-96	NAv	Unfiltered	VOAGCMS	Xylene[1,2-]	5	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Acenaphthene	10	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Acenaphthylene	10	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	VOAGCMS	Acetone	20	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Aniline	10	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Anthracene	10	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Azobenzene	10	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	VOAGCMS	Benzene	5	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(a)anthracene	10	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(a)pyrene	10	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(b)fluoranthene	10	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(g,h,i)perylene	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(k)fluoranthene	10	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Benzoic Acid	100	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Benzyl Alcohol	40	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-chloroethoxy)methane	10	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-chloroethyl)ether	10	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-ethylhexyl)phthalate	10	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromobenzene	5	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromochloromethane	5	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	VOAGCMS	BromoDichloro-methane	5	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromoform	5	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromomethane	10	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Bromophenyl-phenylether[4-]	10	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butanone[2-]	20	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[n-]	5	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[sec-]	5	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[tert-]	5	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Butylbenzylphthalate	10	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Carbazole	10	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	VOAGCMS	Carbon Disulfide	5	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	VOAGCMS	Carbon Tetrachloride	5	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Chloro-3-methylphenol[4-]	20	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Chloroaniline[4-]	40	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorobenzene	5	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorodibromo-methane	5	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloroethane	10	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloroform	5	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloromethane	10	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Chloronaphthalene[2-]	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Chlorophenol[2-]	10	UG/L	none
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Chlorophenyl-phenyl[4-] Ether	10	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorotoluene[2-]	5	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorotoluene[4-]	5	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Chrysene	10	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Dibenz(a,h)-anthracene	10	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Dibenzofuran	10	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromo-3-chloropropane[1,2-]	10	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromoethane[1,2-]	5	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromomethane	5	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,2-]	5	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,2-]	10	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,3-]	5	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,3-]	10	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,4-]	5	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,4-]	10	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Dichloro-benzidine[3,3'-]	20	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-difluoromethane	10	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethane[1,1-]	5	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethane[1,2-]	5	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[1,1-]	5	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[cis-1,2-]	5	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[trans-1,2-]	5	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Dichloro-phenol[2,4-]	10	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[1,2-]	5	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[1,3-]	5	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[2,2-]	5	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[1,1-]	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[cis-1,3-]	5	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[trans-1,3-]	5	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Diethylphthalate	10	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Dimethyl Phthalate	10	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Dimethylphenol[2,4-]	10	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Di-n-butylphthalate	10	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Dinitro-2-methylphenol[4,6-]	50	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrophenol[2,4-]	50	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrotoluene[2,4-]	10	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrotoluene[2,6-]	10	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Di-n-octylphthalate	10	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	VOAGCMS	Ethylbenzene	5	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Fluoranthene	10	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Fluorene	10	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-benzene	10	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	VOAGCMS	Hexachloro-butadiene	5	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-butadiene	10	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-cyclopentadiene	10	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-ethane	10	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	VOAGCMS	Hexanone[2-]	20	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Indeno(1,2,3-cd)pyrene	10	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	VOAGCMS	Iodomethane	5	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Isophorone	10	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	VOAGCMS	Isopropylbenzene	5	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	VOAGCMS	Isopropyltoluene[4-]	5	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	VOAGCMS	Methyl-2-pentanone[4-]	20	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	VOAGCMS	Methylene Chloride	5	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Methylnaphthalene[2-]	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Methylphenol[2-]	10	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Methylphenol[4-]	10	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	VOAGCMS	Naphthalene	5	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Naphthalene	10	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[2-]	50	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[3-]	50	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[4-]	20	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Nitrobenzene	10	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Nitrophenol[2-]	10	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Nitrophenol[4-]	50	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Nitrosodi-methylamine[N-]	10	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Nitroso-di-n-propylamine[N-]	10	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Nitrosodi-phenylamine[N-]	10	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Oxybis(1-chloropropane)[2,2'-]	10	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Pentachlorophenol	50	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Phenanthrene	10	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Phenol	10	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	VOAGCMS	Propylbenzene[1-]	5	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Pyrene	10	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Pyridine	10	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	VOAGCMS	Styrene	5	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethane[1,1,1,2-]	5	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethane[1,1,2,2-]	5	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethene	5	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	VOAGCMS	Toluene	5	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro--1,2,2-trifluoroethane[1,1,2-]	5	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-benzene[1,2,3-]	5	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-benzene[1,2,4-]	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-benzene[1,2,4-]	10	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethane[1,1,1-]	5	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethane[1,1,2-]	5	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethene	5	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-fluoromethane	5	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-phenol[2,4,5-]	50	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-phenol[2,4,6-]	10	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-propane[1,2,3-]	5	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trimethylbenzene[1,2,4-]	5	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trimethylbenzene[1,3,5-]	5	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	VOAGCMS	Vinyl Chloride	10	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	VOAGCMS	Xylene (Total)	5	UG/L	U
16-018	16-2765	0816-96-0099	6-Sep-96	NAv	Unfiltered	VOAGCMS	Xylene[1,2-]	5	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Acenaphthene	10	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Acenaphthylene	10	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	VOAGCMS	Acetone	20	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Aniline	10	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Anthracene	10	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Azobenzene	10	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	VOAGCMS	Benzene	5	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(a)anthracene	10	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(a)pyrene	10	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(b)fluoranthene	10	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(g,h,i)perylene	10	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(k)fluoranthene	10	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Benzoic Acid	100	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Benzyl Alcohol	40	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-chloroethoxy)methane	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-chloroethyl)ether	10	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-ethylhexyl)phthalate	10	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromobenzene	5	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromochloromethane	5	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	VOAGCMS	BromoDichloro-methane	5	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromoform	5	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromomethane	10	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Bromophenyl-phenylether[4-]	10	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butanone[2-]	20	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[n-]	5	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[sec-]	5	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[tert-]	5	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Butylbenzylphthalate	10	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Carbazole	10	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	VOAGCMS	Carbon Disulfide	5	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	VOAGCMS	Carbon Tetrachloride	5	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Chloro-3-methylphenol[4-]	20	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Chloroaniline[4-]	40	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorobenzene	5	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorodibromo-methane	5	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloroethane	10	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloroform	5	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloromethane	10	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Chloronaphthalene[2-]	10	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Chlorophenol[2-]	10	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Chlorophenyl-phenyl[4-] Ether	10	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorotoluene[2-]	5	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorotoluene[4-]	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Chrysene	10	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Dibenz(a,h)-anthracene	10	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Dibenzofuran	10	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromo-3-chloropropane[1,2-]	10	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromoethane[1,2-]	5	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromomethane	5	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,2-]	5	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,2-]	10	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,3-]	5	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,3-]	10	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,4-]	5	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,4-]	10	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Dichloro-benzidine[3,3'-]	20	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-difluoromethane	10	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethane[1,1-]	5	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethane[1,2-]	5	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[1,1-]	5	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[cis-1,2-]	5	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[trans-1,2-]	5	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Dichloro-phenol[2,4-]	10	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[1,2-]	5	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[1,3-]	5	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[2,2-]	5	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[1,1-]	5	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[cis-1,3-]	5	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[trans-1,3-]	5	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Diethylphthalate	10	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Dimethyl Phthalate	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Dimethylphenol[2,4-]	10	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Di-n-butylphthalate	10	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Dinitro-2-methylphenol[4,6-]	50	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrophenol[2,4-]	50	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrotoluene[2,4-]	10	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrotoluene[2,6-]	10	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Di-n-octylphthalate	10	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	VOAGCMS	Ethylbenzene	5	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Fluoranthene	10	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Fluorene	10	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-benzene	10	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	VOAGCMS	Hexachloro-butadiene	5	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-butadiene	10	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-cyclopentadiene	10	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-ethane	10	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	VOAGCMS	Hexanone[2-]	20	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Indeno(1,2,3-cd)pyrene	10	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	VOAGCMS	Iodomethane	5	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Isophorone	10	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	VOAGCMS	Isopropylbenzene	5	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	VOAGCMS	Isopropyltoluene[4-]	5	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	VOAGCMS	Methyl-2-pentanone[4-]	20	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	VOAGCMS	Methylene Chloride	6	UG/L	none
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Methylnaphthalene[2-]	10	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Methylphenol[2-]	10	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Methylphenol[4-]	10	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	VOAGCMS	Naphthalene	5	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Naphthalene	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[2-]	50	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[3-]	50	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[4-]	20	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Nitrobenzene	10	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Nitrophenol[2-]	10	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Nitrophenol[4-]	50	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Nitrosodi-methylamine[N-]	10	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Nitroso-di-n-propylamine[N-]	10	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Nitrosodi-phenylamine[N-]	10	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Oxybis(1-chloropropane)[2,2'-]	10	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Pentachlorophenol	50	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Phenanthrene	10	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Phenol	10	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	VOAGCMS	Propylbenzene[1-]	5	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Pyrene	10	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Pyridine	10	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	VOAGCMS	Styrene	5	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethane[1,1,1,2-]	5	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethane[1,1,2,2-]	5	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethene	5	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	VOAGCMS	Toluene	5	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro--1,2,2-trifluoroethane[1,1,2-]	5	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-benzene[1,2,3-]	5	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-benzene[1,2,4-]	5	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-benzene[1,2,4-]	10	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethane[1,1,1-]	5	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethane[1,1,2-]	5	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethene	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-fluoromethane	5	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-phenol[2,4,5-]	50	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-phenol[2,4,6-]	10	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-propane[1,2,3-]	5	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trimethylbenzene[1,2,4-]	5	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trimethylbenzene[1,3,5-]	5	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	VOAGCMS	Vinyl Chloride	10	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	VOAGCMS	Xylene (Total)	5	UG/L	U
16-018	16-2766	0816-96-0100	6-Sep-96	NAv	Unfiltered	VOAGCMS	Xylene[1,2-]	5	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Acenaphthene	10	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Acenaphthylene	10	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	VOAGCMS	Acetone	20	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Aniline	10	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Anthracene	10	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Azobenzene	10	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	VOAGCMS	Benzene	5	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(a)anthracene	10	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(a)pyrene	10	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(b)fluoranthene	10	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(g,h,i)perylene	10	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(k)fluoranthene	10	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Benzoic Acid	100	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Benzyl Alcohol	40	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-chloroethoxy)methane	10	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-chloroethyl)ether	10	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-ethylhexyl)phthalate	10	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromobenzene	5	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromochloromethane	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	VOAGCMS	BromoDichloro-methane	5	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromoform	5	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromomethane	10	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Bromophenyl-phenylether[4-]	10	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butanone[2-]	20	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[n-]	5	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[sec-]	5	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[tert-]	5	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Butylbenzylphthalate	10	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Carbazole	10	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	VOAGCMS	Carbon Disulfide	5	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	VOAGCMS	Carbon Tetrachloride	5	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Chloro-3-methylphenol[4-]	20	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Chloroaniline[4-]	40	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorobenzene	5	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorodibromo-methane	5	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloroethane	10	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloroform	5	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloromethane	10	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Chloronaphthalene[2-]	10	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Chlorophenol[2-]	10	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Chlorophenyl-phenyl[4-] Ether	10	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorotoluene[2-]	5	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorotoluene[4-]	5	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Chrysene	10	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Dibenz(a,h)-anthracene	10	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Dibenzofuran	10	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromo-3-chloropropane[1,2-]	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromoethane[1,2-]	5	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromomethane	5	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,2-]	5	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,2-]	10	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,3-]	5	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,3-]	10	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,4-]	5	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,4-]	10	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Dichloro-benzidine[3,3'-]	20	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-difluoromethane	10	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethane[1,1-]	5	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethane[1,2-]	5	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[1,1-]	5	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[cis-1,2-]	5	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[trans-1,2-]	5	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Dichloro-phenol[2,4-]	10	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[1,2-]	5	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[1,3-]	5	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[2,2-]	5	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[1,1-]	5	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[cis-1,3-]	5	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[trans-1,3-]	5	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Diethylphthalate	10	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Dimethyl Phthalate	10	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Dimethylphenol[2,4-]	10	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Di-n-butylphthalate	10	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Dinitro-2-methylphenol[4,6-]	50	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrophenol[2,4-]	50	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrotoluene[2,4-]	10	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrotoluene[2,6-]	10	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Di-n-octylphthalate	10	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	VOAGCMS	Ethylbenzene	5	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Fluoranthene	10	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Fluorene	10	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-benzene	10	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	VOAGCMS	Hexachloro-butadiene	5	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-butadiene	10	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-cyclopentadiene	10	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-ethane	10	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	VOAGCMS	Hexanone[2-]	20	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Indeno(1,2,3-cd)pyrene	10	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	VOAGCMS	Iodomethane	5	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Isophorone	10	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	VOAGCMS	Isopropylbenzene	5	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	VOAGCMS	Isopropyltoluene[4-]	5	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	VOAGCMS	Methyl-2-pentanone[4-]	20	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	VOAGCMS	Methylene Chloride	5	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Methylnaphthalene[2-]	10	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Methylphenol[2-]	10	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Methylphenol[4-]	10	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	VOAGCMS	Naphthalene	5	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Naphthalene	10	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[2-]	50	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[3-]	50	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[4-]	20	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Nitrobenzene	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Nitrophenol[2-]	10	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Nitrophenol[4-]	50	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Nitrosodi-methylamine[N-]	10	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Nitroso-di-n-propylamine[N-]	10	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Nitrosodi-phenylamine[N-]	10	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Oxybis(1-chloropropane)[2,2'-]	10	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Pentachlorophenol	50	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Phenanthrene	10	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Phenol	10	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	VOAGCMS	Propylbenzene[1-]	5	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Pyrene	10	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Pyridine	10	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	VOAGCMS	Styrene	5	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethane[1,1,1,2-]	5	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethane[1,1,2,2-]	5	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethene	5	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	VOAGCMS	Toluene	5	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro--1,2,2-trifluoroethane[1,1,2-]	5	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-benzene[1,2,3-]	5	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-benzene[1,2,4-]	5	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-benzene[1,2,4-]	10	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethane[1,1,1-]	5	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethane[1,1,2-]	5	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethene	5	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-fluoromethane	5	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-phenol[2,4,5-]	50	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-phenol[2,4,6-]	10	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-propane[1,2,3-]	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trimethylbenzene[1,2,4-]	5	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trimethylbenzene[1,3,5-]	5	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	VOAGCMS	Vinyl Chloride	10	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	VOAGCMS	Xylene (Total)	5	UG/L	U
16-018	16-2767	0816-96-0101	6-Sep-96	NAv	Unfiltered	VOAGCMS	Xylene[1,2-]	5	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Acenaphthene	10	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Acenaphthylene	10	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	VOAGCMS	Acetone	20	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Aniline	10	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Anthracene	10	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Azobenzene	10	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	VOAGCMS	Benzene	5	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(a)anthracene	10	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(a)pyrene	10	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(b)fluoranthene	10	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(g,h,i)perylene	10	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(k)fluoranthene	10	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Benzoic Acid	100	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Benzyl Alcohol	40	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-chloroethoxy)methane	10	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-chloroethyl)ether	10	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-ethylhexyl)phthalate	10	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromobenzene	5	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromochloromethane	5	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	VOAGCMS	BromoDichloro-methane	5	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromoform	5	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromomethane	10	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Bromophenyl-phenylether[4-]	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butanone[2-]	20	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[n-]	5	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[sec-]	5	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[tert-]	5	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Butylbenzylphthalate	10	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Carbazole	10	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	VOAGCMS	Carbon Disulfide	5	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	VOAGCMS	Carbon Tetrachloride	5	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Chloro-3-methylphenol[4-]	20	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Chloroaniline[4-]	40	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorobenzene	5	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorodibromo-methane	5	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloroethane	10	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloroform	5	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloromethane	10	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Chloronaphthalene[2-]	10	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Chlorophenol[2-]	10	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Chlorophenyl-phenyl[4-] Ether	10	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorotoluene[2-]	5	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorotoluene[4-]	5	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Chrysene	10	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Dibenz(a,h)-anthracene	10	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Dibenzofuran	10	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromo-3-chloropropane[1,2-]	10	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromoethane[1,2-]	5	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromomethane	5	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,2-]	5	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,2-]	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,3-]	5	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,3-]	10	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,4-]	5	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,4-]	10	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Dichloro-benzidine[3,3'-]	20	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-difluoromethane	10	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethane[1,1-]	5	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethane[1,2-]	5	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[1,1-]	5	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[cis-1,2-]	5	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[trans-1,2-]	5	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Dichloro-phenol[2,4-]	10	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[1,2-]	5	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[1,3-]	5	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[2,2-]	5	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[1,1-]	5	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[cis-1,3-]	5	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[trans-1,3-]	5	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Diethylphthalate	10	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Dimethyl Phthalate	10	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Dimethylphenol[2,4-]	10	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Di-n-butylphthalate	10	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Dinitro-2-methylphenol[4,6-]	50	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrophenol[2,4-]	50	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrotoluene[2,4-]	10	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrotoluene[2,6-]	10	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Di-n-octylphthalate	10	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	VOAGCMS	Ethylbenzene	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Fluoranthene	10	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Fluorene	10	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-benzene	0.01	MG/KG	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	VOAGCMS	Hexachloro-butadiene	5	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-butadiene	10	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-cyclopentadiene	10	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-ethane	10	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	VOAGCMS	Hexanone[2-]	20	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Indeno(1,2,3-cd)pyrene	10	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	VOAGCMS	Iodomethane	5	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Isophorone	10	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	VOAGCMS	Isopropylbenzene	5	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	VOAGCMS	Isopropyltoluene[4-]	5	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	VOAGCMS	Methyl-2-pentanone[4-]	20	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	VOAGCMS	Methylene Chloride	5	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Methylnaphthalene[2-]	10	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Methylphenol[2-]	10	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Methylphenol[4-]	10	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	VOAGCMS	Naphthalene	5	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Naphthalene	10	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[2-]	50	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[3-]	50	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[4-]	20	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Nitrobenzene	10	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Nitrophenol[2-]	10	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Nitrophenol[4-]	50	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Nitrosodi-methylamine[N-]	10	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Nitroso-di-n-propylamine[N-]	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Nitrosodi-phenylamine[N-]	10	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Oxybis(1-chloropropane)[2,2'-]	10	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Pentachlorophenol	50	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Phenanthrene	10	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Phenol	10	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	VOAGCMS	Propylbenzene[1-]	5	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Pyrene	10	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Pyridine	10	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	VOAGCMS	Styrene	5	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethane[1,1,1,2-]	5	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethane[1,1,2,2-]	5	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethene	5	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	VOAGCMS	Toluene	5	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro--1,2,2-trifluoroethane[1,1,2-]	5	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-benzene[1,2,3-]	5	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-benzene[1,2,4-]	5	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-benzene[1,2,4-]	10	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethane[1,1,1-]	5	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethane[1,1,2-]	5	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethene	5	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-fluoromethane	5	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-phenol[2,4,5-]	50	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-phenol[2,4,6-]	10	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-propane[1,2,3-]	5	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trimethylbenzene[1,2,4-]	5	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trimethylbenzene[1,3,5-]	5	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	VOAGCMS	Vinyl Chloride	10	UG/L	U
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	VOAGCMS	Xylene (Total)	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2768	0816-96-0102	6-Sep-96	NAv	Unfiltered	VOAGCMS	Xylene[1,2-]	5	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Acenaphthene	10	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Acenaphthylene	10	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	VOAGCMS	Acetone	20	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Aniline	10	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Anthracene	10	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Azobenzene	10	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	VOAGCMS	Benzene	5	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(a)anthracene	10	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(a)pyrene	10	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(b)fluoranthene	10	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(g,h,i)perylene	10	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(k)fluoranthene	10	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Benzoic Acid	100	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Benzyl Alcohol	40	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-chloroethoxy)methane	10	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-chloroethyl)ether	10	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-ethylhexyl)phthalate	10	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromobenzene	5	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromochloromethane	5	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	VOAGCMS	BromoDichloro-methane	5	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromoform	5	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromomethane	10	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Bromophenyl-phenylether[4-]	10	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butanone[2-]	20	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[n-]	5	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[sec-]	5	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[tert-]	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Butylbenzylphthalate	10	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Carbazole	10	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	VOAGCMS	Carbon Disulfide	5	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	VOAGCMS	Carbon Tetrachloride	5	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Chloro-3-methylphenol[4-]	20	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Chloroaniline[4-]	40	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorobenzene	5	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorodibromo-methane	5	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloroethane	10	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloroform	5	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloromethane	10	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Chloronaphthalene[2-]	10	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Chlorophenol[2-]	10	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Chlorophenyl-phenyl[4-] Ether	10	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorotoluene[2-]	5	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorotoluene[4-]	5	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Chrysene	10	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Dibenz(a,h)-anthracene	10	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Dibenzofuran	10	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromo-3-chloropropane[1,2-]	10	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromoethane[1,2-]	5	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromomethane	5	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,2-]	5	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,2-]	10	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,3-]	5	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,3-]	10	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,4-]	5	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,4-]	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Dichloro-benzidine[3,3'-]	20	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-difluoromethane	10	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethane[1,1-]	5	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethane[1,2-]	5	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[1,1-]	5	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[cis-1,2-]	5	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[trans-1,2-]	5	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Dichloro-phenol[2,4-]	10	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[1,2-]	5	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[1,3-]	5	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[2,2-]	5	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[1,1-]	5	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[cis-1,3-]	5	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[trans-1,3-]	5	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Diethylphthalate	10	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Dimethyl Phthalate	10	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Dimethylphenol[2,4-]	10	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Di-n-butylphthalate	10	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Dinitro-2-methylphenol[4,6-]	50	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrophenol[2,4-]	50	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrotoluene[2,4-]	10	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrotoluene[2,6-]	10	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Di-n-octylphthalate	10	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	VOAGCMS	Ethylbenzene	5	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Fluoranthene	10	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Fluorene	10	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-benzene	10	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	VOAGCMS	Hexachloro-butadiene	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-butadiene	10	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-cyclopentadiene	10	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-ethane	10	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	VOAGCMS	Hexanone[2-]	20	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Indeno(1,2,3-cd)pyrene	10	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	VOAGCMS	Iodomethane	5	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Isophorone	10	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	VOAGCMS	Isopropylbenzene	5	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	VOAGCMS	Isopropyltoluene[4-]	5	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	VOAGCMS	Methyl-2-pentanone[4-]	20	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	VOAGCMS	Methylene Chloride	5	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Methylnaphthalene[2-]	10	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Methylphenol[2-]	10	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Methylphenol[4-]	10	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	VOAGCMS	Naphthalene	5	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Naphthalene	10	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[2-]	50	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[3-]	50	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[4-]	20	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Nitrobenzene	10	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Nitrophenol[2-]	10	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Nitrophenol[4-]	50	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Nitrosodi-methylamine[N-]	10	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Nitroso-di-n-propylamine[N-]	10	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Nitrosodi-phenylamine[N-]	10	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Oxybis(1-chloropropane)[2,2'-]	10	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Pentachlorophenol	50	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Phenanthrene	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Phenol	10	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	VOAGCMS	Propylbenzene[1-]	5	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Pyrene	10	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Pyridine	10	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	VOAGCMS	Styrene	5	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethane[1,1,1,2-]	5	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethane[1,1,2,2-]	5	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethene	5	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	VOAGCMS	Toluene	5	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro--1,2,2-trifluoroethane[1,1,2-]	5	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-benzene[1,2,3-]	5	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-benzene[1,2,4-]	5	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-benzene[1,2,4-]	10	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethane[1,1,1-]	5	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethane[1,1,2-]	5	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethene	5	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-fluoromethane	5	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-phenol[2,4,5-]	50	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-phenol[2,4,6-]	10	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-propane[1,2,3-]	5	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trimethylbenzene[1,2,4-]	5	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trimethylbenzene[1,3,5-]	5	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	VOAGCMS	Vinyl Chloride	10	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	VOAGCMS	Xylene (Total)	5	UG/L	U
16-018	16-2768	0816-96-0103	6-Sep-96	NAv	Unfiltered	VOAGCMS	Xylene[1,2-]	5	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Acenaphthene	10	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Acenaphthylene	10	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	VOAGCMS	Acetone	20	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Aniline	10	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Anthracene	10	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Azobenzene	10	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	VOAGCMS	Benzene	5	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(a)anthracene	10	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(a)pyrene	10	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(b)fluoranthene	10	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(g,h,i)perylene	10	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(k)fluoranthene	10	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Benzoic Acid	100	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Benzyl Alcohol	40	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-chloroethoxy)methane	10	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-chloroethyl)ether	10	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-ethylhexyl)phthalate	13	UG/L	none
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromobenzene	5	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromochloromethane	5	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	VOAGCMS	BromoDichloro-methane	5	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromoform	5	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromomethane	10	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Bromophenyl-phenylether[4-]	10	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butanone[2-]	20	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[n-]	5	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[sec-]	5	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[tert-]	5	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Butylbenzylphthalate	10	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Carbazole	10	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	VOAGCMS	Carbon Disulfide	5	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	VOAGCMS	Carbon Tetrachloride	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Chloro-3-methylphenol[4-]	20	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Chloroaniline[4-]	40	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorobenzene	5	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorodibromo-methane	5	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloroethane	10	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloroform	5	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloromethane	10	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Chloronaphthalene[2-]	10	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Chlorophenol[2-]	10	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Chlorophenyl-phenyl[4-] Ether	10	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorotoluene[2-]	5	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorotoluene[4-]	5	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Chrysene	10	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Dibenz(a,h)-anthracene	10	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Dibenzofuran	10	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromo-3-chloropropane[1,2-]	10	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromoethane[1,2-]	5	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromomethane	5	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,2-]	5	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,2-]	10	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,3-]	5	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,3-]	10	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,4-]	5	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,4-]	10	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Dichloro-benzidine[3,3'-]	20	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-difluoromethane	10	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethane[1,1-]	5	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethane[1,2-]	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[1,1-]	5	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[cis-1,2-]	5	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[trans-1,2-]	5	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Dichloro-phenol[2,4-]	10	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[1,2-]	5	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[1,3-]	5	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[2,2-]	5	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[1,1-]	5	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[cis-1,3-]	5	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[trans-1,3-]	5	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Diethylphthalate	10	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Dimethyl Phthalate	10	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Dimethylphenol[2,4-]	10	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Di-n-butylphthalate	10	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Dinitro-2-methylphenol[4,6-]	50	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrophenol[2,4-]	50	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrotoluene[2,4-]	10	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrotoluene[2,6-]	10	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Di-n-octylphthalate	10	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	VOAGCMS	Ethylbenzene	5	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Fluoranthene	10	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Fluorene	10	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-benzene	10	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	VOAGCMS	Hexachloro-butadiene	5	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-butadiene	10	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-cyclopentadiene	10	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-ethane	10	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	VOAGCMS	Hexanone[2-]	20	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Indeno(1,2,3-cd)pyrene	10	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	VOAGCMS	Iodomethane	5	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Isophorone	10	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	VOAGCMS	Isopropylbenzene	5	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	VOAGCMS	Isopropyltoluene[4-]	5	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	VOAGCMS	Methyl-2-pentanone[4-]	20	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	VOAGCMS	Methylene Chloride	5	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Methylnaphthalene[2-]	10	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Methylphenol[2-]	10	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Methylphenol[4-]	10	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	VOAGCMS	Naphthalene	5	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Naphthalene	10	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[2-]	50	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[3-]	50	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[4-]	20	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Nitrobenzene	10	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Nitrophenol[2-]	10	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Nitrophenol[4-]	50	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Nitrosodi-methylamine[N-]	10	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Nitroso-di-n-propylamine[N-]	10	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Nitrosodi-phenylamine[N-]	10	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Oxybis(1-chloropropane)[2,2'-]	10	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Pentachlorophenol	50	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Phenanthrene	10	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Phenol	10	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	VOAGCMS	Propylbenzene[1-]	5	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Pyrene	10	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Pyridine	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	VOAGCMS	Styrene	5	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethane[1,1,1,2-]	5	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethane[1,1,2,2-]	5	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethene	5	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	VOAGCMS	Toluene	5	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro--1,2,2-trifluoroethane[1,1,2-]	5	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-benzene[1,2,3-]	5	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-benzene[1,2,4-]	5	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-benzene[1,2,4-]	10	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethane[1,1,1-]	5	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethane[1,1,2-]	5	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethene	5	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-fluoromethane	5	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-phenol[2,4,5-]	50	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-phenol[2,4,6-]	10	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-propane[1,2,3-]	5	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trimethylbenzene[1,2,4-]	5	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trimethylbenzene[1,3,5-]	5	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	VOAGCMS	Vinyl Chloride	10	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	VOAGCMS	Xylene (Total)	5	UG/L	U
16-018	16-2769	0816-96-0104	6-Sep-96	NAv	Unfiltered	VOAGCMS	Xylene[1,2-]	5	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Acenaphthene	10	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Acenaphthylene	10	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	VOAGCMS	Acetone	20	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Aniline	10	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Anthracene	10	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Azobenzene	10	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	VOAGCMS	Benzene	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(a)anthracene	10	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(a)pyrene	10	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(b)fluoranthene	10	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(g,h,i)perylene	10	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(k)fluoranthene	10	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Benzoic Acid	100	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Benzyl Alcohol	40	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-chloroethoxy)methane	10	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-chloroethyl)ether	10	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-ethylhexyl)phthalate	10	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromobenzene	5	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromochloromethane	5	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	VOAGCMS	BromoDichloro-methane	5	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromoform	5	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromomethane	10	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Bromophenyl-phenylether[4-]	10	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butanone[2-]	20	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[n-]	5	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[sec-]	5	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[tert-]	5	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Butylbenzylphthalate	10	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Carbazole	10	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	VOAGCMS	Carbon Disulfide	5	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	VOAGCMS	Carbon Tetrachloride	5	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Chloro-3-methylphenol[4-]	20	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Chloroaniline[4-]	40	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorobenzene	5	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorodibromo-methane	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloroethane	10	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloroform	5	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloromethane	10	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Chloronaphthalene[2-]	10	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Chlorophenol[2-]	10	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Chlorophenyl-phenyl[4-] Ether	10	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorotoluene[2-]	5	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorotoluene[4-]	5	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Chrysene	10	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Dibenz(a,h)-anthracene	10	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Dibenzofuran	10	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromo-3-chloropropane[1,2-]	10	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromoethane[1,2-]	5	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromomethane	5	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,2-]	5	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,2-]	10	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,3-]	5	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,3-]	10	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,4-]	5	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,4-]	10	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Dichloro-benzidine[3,3'-]	20	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-difluoromethane	10	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethane[1,1-]	5	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethane[1,2-]	5	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[1,1-]	5	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[cis-1,2-]	5	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[trans-1,2-]	5	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Dichloro-phenol[2,4-]	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[1,2-]	5	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[1,3-]	5	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[2,2-]	5	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[1,1-]	5	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[cis-1,3-]	5	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[trans-1,3-]	5	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Diethylphthalate	10	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Dimethyl Phthalate	10	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Dimethylphenol[2,4-]	10	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Di-n-butylphthalate	10	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Dinitro-2-methylphenol[4,6-]	50	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrophenol[2,4-]	50	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrotoluene[2,4-]	10	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrotoluene[2,6-]	10	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Di-n-octylphthalate	10	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	VOAGCMS	Ethylbenzene	5	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Fluoranthene	10	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Fluorene	10	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-benzene	10	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	VOAGCMS	Hexachloro-butadiene	5	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-butadiene	10	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-cyclopentadiene	10	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-ethane	10	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	VOAGCMS	Hexanone[2-]	20	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Indeno(1,2,3-cd)pyrene	10	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	VOAGCMS	Iodomethane	5	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Isophorone	10	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	VOAGCMS	Isopropylbenzene	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	VOAGCMS	Isopropyltoluene[4-]	5	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	VOAGCMS	Methyl-2-pentanone[4-]	20	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	VOAGCMS	Methylene Chloride	5	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Methylnaphthalene[2-]	10	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Methylphenol[2-]	10	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Methylphenol[4-]	10	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	VOAGCMS	Naphthalene	5	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Naphthalene	10	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[2-]	50	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[3-]	50	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[4-]	20	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Nitrobenzene	10	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Nitrophenol[2-]	10	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Nitrophenol[4-]	50	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Nitrosodi-methylamine[N-]	10	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Nitroso-di-n-propylamine[N-]	10	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Nitrosodi-phenylamine[N-]	10	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Oxybis(1-chloropropane)[2,2'-]	10	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Pentachlorophenol	50	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Phenanthrene	10	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Phenol	10	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	VOAGCMS	Propylbenzene[1-]	5	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Pyrene	10	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Pyridine	10	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	VOAGCMS	Styrene	5	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethane[1,1,1,2-]	5	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethane[1,1,2,2-]	5	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethene	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	VOAGCMS	Toluene	5	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro--1,2,2-trifluoroethane[1,1,2-]	5	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-benzene[1,2,3-]	5	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-benzene[1,2,4-]	5	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-benzene[1,2,4-]	10	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethane[1,1,1-]	5	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethane[1,1,2-]	5	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethene	5	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-fluoromethane	5	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-phenol[2,4,5-]	50	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-phenol[2,4,6-]	10	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-propane[1,2,3-]	5	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trimethylbenzene[1,2,4-]	5	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trimethylbenzene[1,3,5-]	5	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	VOAGCMS	Vinyl Chloride	10	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	VOAGCMS	Xylene (Total)	5	UG/L	U
16-018	16-2770	0816-96-0105	6-Sep-96	NAv	Unfiltered	VOAGCMS	Xylene[1,2-]	5	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Acenaphthene	10	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Acenaphthylene	10	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	VOAGCMS	Acetone	20	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Aniline	10	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Anthracene	10	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Azobenzene	10	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	VOAGCMS	Benzene	5	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(a)anthracene	10	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(a)pyrene	10	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(b)fluoranthene	10	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(g,h,i)perylene	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(k)fluoranthene	10	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Benzoic Acid	100	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Benzyl Alcohol	40	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-chloroethoxy)methane	10	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-chloroethyl)ether	10	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-ethylhexyl)phthalate	10	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromobenzene	5	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromochloromethane	5	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	VOAGCMS	BromoDichloro-methane	5	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromoform	5	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromomethane	10	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Bromophenyl-phenylether[4-]	10	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butanone[2-]	20	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[n-]	5	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[sec-]	5	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[tert-]	5	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Butylbenzylphthalate	10	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Carbazole	10	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	VOAGCMS	Carbon Disulfide	5	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	VOAGCMS	Carbon Tetrachloride	5	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Chloro-3-methylphenol[4-]	20	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Chloroaniline[4-]	40	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorobenzene	5	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorodibromo-methane	5	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloroethane	10	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloroform	5	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloromethane	10	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Chloronaphthalene[2-]	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Chlorophenol[2-]	10	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Chlorophenyl-phenyl[4-] Ether	10	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorotoluene[2-]	5	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorotoluene[4-]	5	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Chrysene	10	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Dibenz(a,h)-anthracene	10	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Dibenzofuran	10	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromo-3-chloropropane[1,2-]	10	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromoethane[1,2-]	5	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromomethane	5	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,2-]	5	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,2-]	10	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,3-]	5	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,3-]	10	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,4-]	5	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,4-]	10	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Dichloro-benzidine[3,3'-]	20	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-difluoromethane	10	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethane[1,1-]	5	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethane[1,2-]	5	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[1,1-]	5	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[cis-1,2-]	5	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[trans-1,2-]	5	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Dichloro-phenol[2,4-]	10	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[1,2-]	5	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[1,3-]	5	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[2,2-]	5	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[1,1-]	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[cis-1,3-]	5	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[trans-1,3-]	5	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Diethylphthalate	10	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Dimethyl Phthalate	10	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Dimethylphenol[2,4-]	10	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Di-n-butylphthalate	10	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Dinitro-2-methylphenol[4,6-]	50	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrophenol[2,4-]	50	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrotoluene[2,4-]	10	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrotoluene[2,6-]	10	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Di-n-octylphthalate	10	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	VOAGCMS	Ethylbenzene	5	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Fluoranthene	10	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Fluorene	10	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-benzene	10	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	VOAGCMS	Hexachloro-butadiene	5	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-butadiene	10	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-cyclopentadiene	10	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-ethane	10	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	VOAGCMS	Hexanone[2-]	20	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Indeno(1,2,3-cd)pyrene	10	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	VOAGCMS	Iodomethane	5	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Isophorone	10	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	VOAGCMS	Isopropylbenzene	5	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	VOAGCMS	Isopropyltoluene[4-]	5	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	VOAGCMS	Methyl-2-pentanone[4-]	20	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	VOAGCMS	Methylene Chloride	5	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Methylnaphthalene[2-]	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Methylphenol[2-]	10	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Methylphenol[4-]	10	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	VOAGCMS	Naphthalene	5	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Naphthalene	10	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[2-]	50	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[3-]	50	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[4-]	20	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Nitrobenzene	10	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Nitrophenol[2-]	10	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Nitrophenol[4-]	50	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Nitrosodi-methylamine[N-]	10	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Nitroso-di-n-propylamine[N-]	10	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Nitrosodi-phenylamine[N-]	10	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Oxybis(1-chloropropane)[2,2'-]	10	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Pentachlorophenol	50	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Phenanthrene	10	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Phenol	10	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	VOAGCMS	Propylbenzene[1-]	5	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Pyrene	10	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Pyridine	10	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	VOAGCMS	Styrene	5	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethane[1,1,1,2-]	5	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethane[1,1,2,2-]	5	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethene	5	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	VOAGCMS	Toluene	5	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro--1,2,2-trifluoroethane[1,1,2-]	5	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-benzene[1,2,3-]	5	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-benzene[1,2,4-]	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-benzene[1,2,4-]	10	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethane[1,1,1-]	5	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethane[1,1,2-]	5	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethene	5	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-fluoromethane	5	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-phenol[2,4,5-]	50	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-phenol[2,4,6-]	10	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-propane[1,2,3-]	5	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trimethylbenzene[1,2,4-]	5	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trimethylbenzene[1,3,5-]	5	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	VOAGCMS	Vinyl Chloride	10	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	VOAGCMS	Xylene (Total)	5	UG/L	U
16-018	16-2771	0816-96-0106	6-Sep-96	NAv	Unfiltered	VOAGCMS	Xylene[1,2-]	5	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Acenaphthene	10	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Acenaphthylene	10	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	VOAGCMS	Acetone	20	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Aniline	10	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Anthracene	10	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Azobenzene	10	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	VOAGCMS	Benzene	5	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(a)anthracene	10	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(a)pyrene	10	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(b)fluoranthene	10	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(g,h,i)perylene	10	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(k)fluoranthene	10	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Benzoic Acid	100	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Benzyl Alcohol	40	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-chloroethoxy)methane	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-chloroethyl)ether	10	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-ethylhexyl)phthalate	10	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromobenzene	5	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromochloromethane	5	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	VOAGCMS	BromoDichloro-methane	5	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromoform	5	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromomethane	10	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Bromophenyl-phenylether[4-]	10	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butanone[2-]	20	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[n-]	5	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[sec-]	5	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[tert-]	5	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Butylbenzylphthalate	10	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Carbazole	10	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	VOAGCMS	Carbon Disulfide	5	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	VOAGCMS	Carbon Tetrachloride	5	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Chloro-3-methylphenol[4-]	20	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Chloroaniline[4-]	40	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorobenzene	5	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorodibromo-methane	5	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloroethane	10	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloroform	5	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloromethane	10	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Chloronaphthalene[2-]	10	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Chlorophenol[2-]	10	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Chlorophenyl-phenyl[4-] Ether	10	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorotoluene[2-]	5	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorotoluene[4-]	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Chrysene	10	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Dibenz(a,h)-anthracene	10	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Dibenzofuran	10	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromo-3-chloropropane[1,2-]	10	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromoethane[1,2-]	5	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromomethane	5	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,2-]	5	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,2-]	10	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,3-]	5	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,3-]	10	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,4-]	5	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,4-]	10	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Dichloro-benzidine[3,3'-]	20	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-difluoromethane	10	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethane[1,1-]	5	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethane[1,2-]	5	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[1,1-]	5	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[cis-1,2-]	5	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[trans-1,2-]	5	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Dichloro-phenol[2,4-]	10	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[1,2-]	5	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[1,3-]	5	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[2,2-]	5	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[1,1-]	5	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[cis-1,3-]	5	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[trans-1,3-]	5	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Diethylphthalate	10	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Dimethyl Phthalate	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Dimethylphenol[2,4-]	10	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Di-n-butylphthalate	10	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Dinitro-2-methylphenol[4,6-]	50	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrophenol[2,4-]	50	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrotoluene[2,4-]	10	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrotoluene[2,6-]	10	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Di-n-octylphthalate	10	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	VOAGCMS	Ethylbenzene	5	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Fluoranthene	10	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Fluorene	10	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-benzene	10	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	VOAGCMS	Hexachloro-butadiene	5	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-butadiene	10	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-cyclopentadiene	10	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-ethane	10	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	VOAGCMS	Hexanone[2-]	20	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Indeno(1,2,3-cd)pyrene	10	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	VOAGCMS	Iodomethane	5	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Isophorone	10	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	VOAGCMS	Isopropylbenzene	5	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	VOAGCMS	Isopropyltoluene[4-]	5	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	VOAGCMS	Methyl-2-pentanone[4-]	20	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	VOAGCMS	Methylene Chloride	5	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Methylnaphthalene[2-]	10	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Methylphenol[2-]	10	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Methylphenol[4-]	10	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	VOAGCMS	Naphthalene	5	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Naphthalene	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[2-]	50	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[3-]	50	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[4-]	20	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Nitrobenzene	10	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Nitrophenol[2-]	10	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Nitrophenol[4-]	50	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Nitrosodi-methylamine[N-]	10	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Nitroso-di-n-propylamine[N-]	10	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Nitrosodi-phenylamine[N-]	10	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Oxybis(1-chloropropane)[2,2'-]	10	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Pentachlorophenol	50	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Phenanthrene	10	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Phenol	10	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	VOAGCMS	Propylbenzene[1-]	5	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Pyrene	10	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Pyridine	10	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	VOAGCMS	Styrene	5	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethane[1,1,1,2-]	5	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethane[1,1,2,2-]	5	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethene	5	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	VOAGCMS	Toluene	5	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro--1,2,2-trifluoroethane[1,1,2-]	5	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-benzene[1,2,3-]	5	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-benzene[1,2,4-]	5	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-benzene[1,2,4-]	10	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethane[1,1,1-]	5	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethane[1,1,2-]	5	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethene	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-fluoromethane	5	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-phenol[2,4,5-]	50	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-phenol[2,4,6-]	10	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-propane[1,2,3-]	5	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trimethylbenzene[1,2,4-]	5	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trimethylbenzene[1,3,5-]	5	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	VOAGCMS	Vinyl Chloride	10	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	VOAGCMS	Xylene (Total)	5	UG/L	U
16-018	16-2772	0816-96-0107	6-Sep-96	NAv	Unfiltered	VOAGCMS	Xylene[1,2-]	5	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Acenaphthene	10	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Acenaphthylene	10	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	VOAGCMS	Acetone	20	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Aniline	10	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Anthracene	10	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Azobenzene	10	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	VOAGCMS	Benzene	5	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(a)anthracene	10	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(a)pyrene	10	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(b)fluoranthene	10	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(g,h,i)perylene	10	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(k)fluoranthene	10	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Benzoic Acid	100	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Benzyl Alcohol	40	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-chloroethoxy)methane	10	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-chloroethyl)ether	10	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-ethylhexyl)phthalate	10	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromobenzene	5	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromochloromethane	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	VOAGCMS	BromoDichloro-methane	5	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromoform	5	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromomethane	10	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Bromophenyl-phenylether[4-]	10	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butanone[2-]	20	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[n-]	5	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[sec-]	5	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[tert-]	5	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Butylbenzylphthalate	10	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Carbazole	10	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	VOAGCMS	Carbon Disulfide	5	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	VOAGCMS	Carbon Tetrachloride	5	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Chloro-3-methylphenol[4-]	20	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Chloroaniline[4-]	40	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorobenzene	5	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorodibromo-methane	5	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloroethane	10	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloroform	5	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloromethane	10	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Chloronaphthalene[2-]	10	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Chlorophenol[2-]	10	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Chlorophenyl-phenyl[4-] Ether	10	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorotoluene[2-]	5	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorotoluene[4-]	5	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Chrysene	10	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Dibenz(a,h)-anthracene	10	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Dibenzofuran	10	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromo-3-chloropropane[1,2-]	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromoethane[1,2-]	5	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromomethane	5	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,2-]	5	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,2-]	10	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,3-]	5	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,3-]	10	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,4-]	5	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,4-]	10	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Dichloro-benzidine[3,3'-]	20	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-difluoromethane	10	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethane[1,1-]	5	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethane[1,2-]	5	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[1,1-]	5	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[cis-1,2-]	5	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[trans-1,2-]	5	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Dichloro-phenol[2,4-]	10	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[1,2-]	5	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[1,3-]	5	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[2,2-]	5	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[1,1-]	5	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[cis-1,3-]	5	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[trans-1,3-]	5	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Diethylphthalate	10	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Dimethyl Phthalate	10	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Dimethylphenol[2,4-]	10	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Di-n-butylphthalate	10	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Dinitro-2-methylphenol[4,6-]	50	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrophenol[2,4-]	50	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrotoluene[2,4-]	10	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrotoluene[2,6-]	10	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Di-n-octylphthalate	10	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	VOAGCMS	Ethylbenzene	5	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Fluoranthene	10	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Fluorene	10	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-benzene	10	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	VOAGCMS	Hexachloro-butadiene	5	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-butadiene	10	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-cyclopentadiene	10	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-ethane	10	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	VOAGCMS	Hexanone[2-]	20	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Indeno(1,2,3-cd)pyrene	10	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	VOAGCMS	Iodomethane	5	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Isophorone	10	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	VOAGCMS	Isopropylbenzene	5	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	VOAGCMS	Isopropyltoluene[4-]	5	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	VOAGCMS	Methyl-2-pentanone[4-]	20	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	VOAGCMS	Methylene Chloride	5	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Methylnaphthalene[2-]	10	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Methylphenol[2-]	10	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Methylphenol[4-]	10	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	VOAGCMS	Naphthalene	5	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Naphthalene	10	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[2-]	50	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[3-]	50	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[4-]	20	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Nitrobenzene	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Nitrophenol[2-]	10	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Nitrophenol[4-]	50	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Nitrosodi-methylamine[N-]	10	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Nitroso-di-n-propylamine[N-]	10	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Nitrosodi-phenylamine[N-]	10	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Oxybis(1-chloropropane)[2,2'-]	10	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Pentachlorophenol	50	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Phenanthrene	10	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Phenol	10	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	VOAGCMS	Propylbenzene[1-]	5	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Pyrene	10	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Pyridine	10	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	VOAGCMS	Styrene	5	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethane[1,1,1,2-]	5	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethane[1,1,2,2-]	5	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethene	5	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	VOAGCMS	Toluene	5	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro--1,2,2-trifluoroethane[1,1,2-]	5	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-benzene[1,2,3-]	5	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-benzene[1,2,4-]	5	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-benzene[1,2,4-]	10	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethane[1,1,1-]	5	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethane[1,1,2-]	5	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethene	5	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-fluoromethane	5	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-phenol[2,4,5-]	50	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-phenol[2,4,6-]	10	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-propane[1,2,3-]	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trimethylbenzene[1,2,4-]	5	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trimethylbenzene[1,3,5-]	5	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	VOAGCMS	Vinyl Chloride	10	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	VOAGCMS	Xylene (Total)	5	UG/L	U
16-018	16-2773	0816-96-0108	6-Sep-96	NAv	Unfiltered	VOAGCMS	Xylene[1,2-]	5	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Acenaphthene	10	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Acenaphthylene	10	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	VOAGCMS	Acetone	20	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Aniline	10	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Anthracene	10	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Azobenzene	10	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	VOAGCMS	Benzene	5	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(a)anthracene	10	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(a)pyrene	10	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(b)fluoranthene	10	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(g,h,i)perylene	10	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(k)fluoranthene	10	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Benzoic Acid	100	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Benzyl Alcohol	40	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-chloroethoxy)methane	10	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-chloroethyl)ether	10	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-ethylhexyl)phthalate	10	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromobenzene	5	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromochloromethane	5	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	VOAGCMS	BromoDichloro-methane	5	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromoform	5	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromomethane	10	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Bromophenyl-phenylether[4-]	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butanone[2-]	20	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[n-]	5	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[sec-]	5	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[tert-]	5	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Butylbenzylphthalate	10	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Carbazole	10	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	VOAGCMS	Carbon Disulfide	5	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	VOAGCMS	Carbon Tetrachloride	5	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Chloro-3-methylphenol[4-]	20	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Chloroaniline[4-]	40	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorobenzene	5	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorodibromo-methane	5	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloroethane	10	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloroform	5	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloromethane	10	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Chloronaphthalene[2-]	10	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Chlorophenol[2-]	10	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Chlorophenyl-phenyl[4-] Ether	10	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorotoluene[2-]	5	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorotoluene[4-]	5	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Chrysene	10	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Dibenz(a,h)-anthracene	10	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Dibenzofuran	10	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromo-3-chloropropane[1,2-]	10	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromoethane[1,2-]	5	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromomethane	5	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,2-]	5	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,2-]	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,3-]	5	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,3-]	10	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,4-]	5	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,4-]	10	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Dichloro-benzidine[3,3'-]	20	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-difluoromethane	10	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethane[1,1-]	5	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethane[1,2-]	5	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[1,1-]	5	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[cis-1,2-]	5	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[trans-1,2-]	5	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Dichloro-phenol[2,4-]	10	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[1,2-]	5	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[1,3-]	5	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[2,2-]	5	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[1,1-]	5	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[cis-1,3-]	5	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[trans-1,3-]	5	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Diethylphthalate	10	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Dimethyl Phthalate	10	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Dimethylphenol[2,4-]	10	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Di-n-butylphthalate	10	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Dinitro-2-methylphenol[4,6-]	50	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrophenol[2,4-]	50	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrotoluene[2,4-]	10	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrotoluene[2,6-]	10	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Di-n-octylphthalate	10	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	VOAGCMS	Ethylbenzene	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Fluoranthene	10	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Fluorene	10	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-benzene	10	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	VOAGCMS	Hexachloro-butadiene	5	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-butadiene	10	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-cyclopentadiene	10	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-ethane	10	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	VOAGCMS	Hexanone[2-]	20	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Indeno(1,2,3-cd)pyrene	10	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	VOAGCMS	Iodomethane	5	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Isophorone	10	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	VOAGCMS	Isopropylbenzene	5	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	VOAGCMS	Isopropyltoluene[4-]	5	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	VOAGCMS	Methyl-2-pentanone[4-]	20	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	VOAGCMS	Methylene Chloride	5	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Methylnaphthalene[2-]	10	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Methylphenol[2-]	10	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Methylphenol[4-]	10	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	VOAGCMS	Naphthalene	5	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Naphthalene	10	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[2-]	50	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[3-]	50	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[4-]	20	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Nitrobenzene	10	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Nitrophenol[2-]	10	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Nitrophenol[4-]	50	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Nitrosodi-methylamine[N-]	10	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Nitroso-di-n-propylamine[N-]	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Nitrosodi-phenylamine[N-]	10	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Oxybis(1-chloropropane)[2,2'-]	10	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Pentachlorophenol	50	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Phenanthrene	10	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Phenol	10	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	VOAGCMS	Propylbenzene[1-]	5	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Pyrene	10	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Pyridine	10	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	VOAGCMS	Styrene	5	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethane[1,1,1,2-]	5	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethane[1,1,2,2-]	5	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethene	5	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	VOAGCMS	Toluene	5	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro--1,2,2-trifluoroethane[1,1,2-]	5	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-benzene[1,2,3-]	5	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-benzene[1,2,4-]	5	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-benzene[1,2,4-]	10	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethane[1,1,1-]	5	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethane[1,1,2-]	5	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethene	5	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-fluoromethane	5	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-phenol[2,4,5-]	50	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-phenol[2,4,6-]	10	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-propane[1,2,3-]	5	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trimethylbenzene[1,2,4-]	5	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trimethylbenzene[1,3,5-]	5	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	VOAGCMS	Vinyl Chloride	10	UG/L	U
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	VOAGCMS	Xylene (Total)	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2774	0816-96-0109	6-Sep-96	NAv	Unfiltered	VOAGCMS	Xylene[1,2-]	5	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Acenaphthene	10	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Acenaphthylene	10	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	VOAGCMS	Acetone	20	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Aniline	10	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Anthracene	10	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Azobenzene	10	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	VOAGCMS	Benzene	5	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(a)anthracene	10	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(a)pyrene	10	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(b)fluoranthene	10	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(g,h,i)perylene	10	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(k)fluoranthene	10	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Benzoic Acid	100	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Benzyl Alcohol	40	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-chloroethoxy)methane	10	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-chloroethyl)ether	10	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-ethylhexyl)phthalate	10	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromobenzene	5	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromochloromethane	5	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	VOAGCMS	BromoDichloro-methane	5	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromoform	5	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromomethane	10	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Bromophenyl-phenylether[4-]	10	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butanone[2-]	20	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[n-]	5	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[sec-]	5	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[tert-]	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Butylbenzylphthalate	10	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Carbazole	10	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	VOAGCMS	Carbon Disulfide	5	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	VOAGCMS	Carbon Tetrachloride	5	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Chloro-3-methylphenol[4-]	20	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Chloroaniline[4-]	40	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorobenzene	5	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorodibromo-methane	5	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloroethane	10	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloroform	5	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloromethane	10	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Chloronaphthalene[2-]	10	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Chlorophenol[2-]	10	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Chlorophenyl-phenyl[4-] Ether	10	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorotoluene[2-]	5	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorotoluene[4-]	5	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Chrysene	10	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Dibenz(a,h)-anthracene	10	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Dibenzofuran	10	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromo-3-chloropropane[1,2-]	10	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromoethane[1,2-]	5	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromomethane	5	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,2-]	5	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,2-]	10	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,3-]	5	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,3-]	10	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,4-]	5	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,4-]	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Dichloro-benzidine[3,3'-]	20	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-difluoromethane	10	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethane[1,1-]	5	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethane[1,2-]	5	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[1,1-]	5	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[cis-1,2-]	5	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[trans-1,2-]	5	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Dichloro-phenol[2,4-]	10	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[1,2-]	5	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[1,3-]	5	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[2,2-]	5	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[1,1-]	5	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[cis-1,3-]	5	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[trans-1,3-]	5	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Diethylphthalate	10	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Dimethyl Phthalate	10	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Dimethylphenol[2,4-]	10	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Di-n-butylphthalate	10	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Dinitro-2-methylphenol[4,6-]	50	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrophenol[2,4-]	50	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrotoluene[2,4-]	10	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrotoluene[2,6-]	10	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Di-n-octylphthalate	10	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	VOAGCMS	Ethylbenzene	5	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Fluoranthene	10	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Fluorene	10	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-benzene	10	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	VOAGCMS	Hexachloro-butadiene	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-butadiene	10	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-cyclopentadiene	10	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-ethane	10	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	VOAGCMS	Hexanone[2-]	20	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Indeno(1,2,3-cd)pyrene	10	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	VOAGCMS	Iodomethane	5	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Isophorone	10	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	VOAGCMS	Isopropylbenzene	5	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	VOAGCMS	Isopropyltoluene[4-]	5	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	VOAGCMS	Methyl-2-pentanone[4-]	20	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	VOAGCMS	Methylene Chloride	5	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Methylnaphthalene[2-]	10	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Methylphenol[2-]	10	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Methylphenol[4-]	10	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	VOAGCMS	Naphthalene	5	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Naphthalene	10	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[2-]	50	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[3-]	50	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[4-]	20	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Nitrobenzene	10	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Nitrophenol[2-]	10	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Nitrophenol[4-]	50	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Nitrosodi-methylamine[N-]	10	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Nitroso-di-n-propylamine[N-]	10	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Nitrosodi-phenylamine[N-]	10	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Oxybis(1-chloropropane)[2,2'-]	10	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Pentachlorophenol	50	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Phenanthrene	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Phenol	10	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	VOAGCMS	Propylbenzene[1-]	5	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Pyrene	10	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Pyridine	10	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	VOAGCMS	Styrene	5	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethane[1,1,1,2-]	5	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethane[1,1,2,2-]	5	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethene	5	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	VOAGCMS	Toluene	5	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro--1,2,2-trifluoroethane[1,1,2-]	5	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-benzene[1,2,3-]	5	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-benzene[1,2,4-]	5	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-benzene[1,2,4-]	10	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethane[1,1,1-]	5	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethane[1,1,2-]	5	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethene	5	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-fluoromethane	5	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-phenol[2,4,5-]	50	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-phenol[2,4,6-]	10	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-propane[1,2,3-]	5	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trimethylbenzene[1,2,4-]	5	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trimethylbenzene[1,3,5-]	5	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	VOAGCMS	Vinyl Chloride	10	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	VOAGCMS	Xylene (Total)	5	UG/L	U
16-018	16-2775	0816-96-0110	6-Sep-96	NAv	Unfiltered	VOAGCMS	Xylene[1,2-]	5	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Acenaphthene	10	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Acenaphthylene	10	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	VOAGCMS	Acetone	20	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Aniline	10	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Anthracene	10	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Azobenzene	10	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	VOAGCMS	Benzene	5	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(a)anthracene	10	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(a)pyrene	10	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(b)fluoranthene	10	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(g,h,i)perylene	10	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(k)fluoranthene	10	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Benzoic Acid	100	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Benzyl Alcohol	40	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-chloroethoxy)methane	10	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-chloroethyl)ether	10	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-ethylhexyl)phthalate	10	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromobenzene	5	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromochloromethane	5	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	VOAGCMS	BromoDichloro-methane	5	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromoform	5	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromomethane	10	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Bromophenyl-phenylether[4-]	10	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butanone[2-]	20	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[n-]	5	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[sec-]	5	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[tert-]	5	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Butylbenzylphthalate	10	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Carbazole	10	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	VOAGCMS	Carbon Disulfide	5	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	VOAGCMS	Carbon Tetrachloride	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Chloro-3-methylphenol[4-]	20	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Chloroaniline[4-]	40	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorobenzene	5	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorodibromo-methane	5	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloroethane	10	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloroform	5	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloromethane	10	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Chloronaphthalene[2-]	10	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Chlorophenol[2-]	10	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Chlorophenyl-phenyl[4-] Ether	10	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorotoluene[2-]	5	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorotoluene[4-]	5	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Chrysene	10	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Dibenz(a,h)-anthracene	10	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Dibenzofuran	10	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromo-3-chloropropane[1,2-]	10	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromoethane[1,2-]	5	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromomethane	5	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,2-]	5	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,2-]	10	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,3-]	5	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,3-]	10	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,4-]	5	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,4-]	10	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Dichloro-benzidine[3,3'-]	20	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-difluoromethane	10	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethane[1,1-]	5	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethane[1,2-]	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[1,1-]	5	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[cis-1,2-]	5	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[trans-1,2-]	5	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Dichloro-phenol[2,4-]	10	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[1,2-]	5	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[1,3-]	5	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[2,2-]	5	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[1,1-]	5	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[cis-1,3-]	5	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[trans-1,3-]	5	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Diethylphthalate	10	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Dimethyl Phthalate	10	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Dimethylphenol[2,4-]	10	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Di-n-butylphthalate	10	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Dinitro-2-methylphenol[4,6-]	50	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrophenol[2,4-]	50	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrotoluene[2,4-]	10	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrotoluene[2,6-]	10	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Di-n-octylphthalate	10	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	VOAGCMS	Ethylbenzene	5	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Fluoranthene	10	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Fluorene	10	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-benzene	10	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	VOAGCMS	Hexachloro-butadiene	5	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-butadiene	10	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-cyclopentadiene	10	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-ethane	10	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	VOAGCMS	Hexanone[2-]	20	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Indeno(1,2,3-cd)pyrene	10	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	VOAGCMS	Iodomethane	5	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Isophorone	10	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	VOAGCMS	Isopropylbenzene	5	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	VOAGCMS	Isopropyltoluene[4-]	5	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	VOAGCMS	Methyl-2-pentanone[4-]	20	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	VOAGCMS	Methylene Chloride	5	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Methylnaphthalene[2-]	10	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Methylphenol[2-]	10	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Methylphenol[4-]	10	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	VOAGCMS	Naphthalene	5	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Naphthalene	10	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[2-]	50	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[3-]	50	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[4-]	20	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Nitrobenzene	10	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Nitrophenol[2-]	10	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Nitrophenol[4-]	50	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Nitrosodi-methylamine[N-]	10	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Nitroso-di-n-propylamine[N-]	10	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Nitrosodi-phenylamine[N-]	10	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Oxybis(1-chloropropane)[2,2'-]	10	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Pentachlorophenol	50	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Phenanthrene	10	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Phenol	10	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	VOAGCMS	Propylbenzene[1-]	5	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Pyrene	10	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Pyridine	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	VOAGCMS	Styrene	5	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethane[1,1,1,2-]	5	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethane[1,1,2,2-]	5	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethene	5	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	VOAGCMS	Toluene	5	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro--1,2,2-trifluoroethane[1,1,2-]	5	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-benzene[1,2,3-]	5	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-benzene[1,2,4-]	5	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-benzene[1,2,4-]	10	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethane[1,1,1-]	5	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethane[1,1,2-]	5	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethene	5	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-fluoromethane	5	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-phenol[2,4,5-]	50	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-phenol[2,4,6-]	10	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-propane[1,2,3-]	5	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trimethylbenzene[1,2,4-]	5	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trimethylbenzene[1,3,5-]	5	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	VOAGCMS	Vinyl Chloride	10	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	VOAGCMS	Xylene (Total)	5	UG/L	U
16-018	16-2776	0816-96-0111	6-Sep-96	NAv	Unfiltered	VOAGCMS	Xylene[1,2-]	5	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Acenaphthene	10	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Acenaphthylene	10	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	VOAGCMS	Acetone	20	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Aniline	10	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Anthracene	10	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Azobenzene	10	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	VOAGCMS	Benzene	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(a)anthracene	10	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(a)pyrene	10	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(b)fluoranthene	10	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(g,h,i)perylene	10	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(k)fluoranthene	10	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Benzoic Acid	100	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Benzyl Alcohol	40	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-chloroethoxy)methane	10	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-chloroethyl)ether	10	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-ethylhexyl)phthalate	10	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromobenzene	5	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromochloromethane	5	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	VOAGCMS	BromoDichloro-methane	5	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromoform	5	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromomethane	10	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Bromophenyl-phenylether[4-]	10	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butanone[2-]	20	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[n-]	5	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[sec-]	5	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[tert-]	5	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Butylbenzylphthalate	10	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Carbazole	10	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	VOAGCMS	Carbon Disulfide	5	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	VOAGCMS	Carbon Tetrachloride	5	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Chloro-3-methylphenol[4-]	20	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Chloroaniline[4-]	40	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorobenzene	5	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorodibromo-methane	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloroethane	10	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloroform	5	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloromethane	10	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Chloronaphthalene[2-]	10	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Chlorophenol[2-]	10	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Chlorophenyl-phenyl[4-] Ether	10	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorotoluene[2-]	5	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorotoluene[4-]	5	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Chrysene	10	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Dibenz(a,h)-anthracene	10	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Dibenzofuran	10	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromo-3-chloropropane[1,2-]	10	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromoethane[1,2-]	5	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromomethane	5	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,2-]	5	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,2-]	10	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,3-]	5	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,3-]	10	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,4-]	5	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,4-]	10	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Dichloro-benzidine[3,3'-]	20	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-difluoromethane	10	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethane[1,1-]	5	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethane[1,2-]	5	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[1,1-]	5	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[cis-1,2-]	5	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[trans-1,2-]	5	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Dichloro-phenol[2,4-]	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[1,2-]	5	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[1,3-]	5	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[2,2-]	5	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[1,1-]	5	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[cis-1,3-]	5	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[trans-1,3-]	5	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Diethylphthalate	10	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Dimethyl Phthalate	10	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Dimethylphenol[2,4-]	10	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Di-n-butylphthalate	10	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Dinitro-2-methylphenol[4,6-]	50	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrophenol[2,4-]	50	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrotoluene[2,4-]	10	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrotoluene[2,6-]	10	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Di-n-octylphthalate	10	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	VOAGCMS	Ethylbenzene	5	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Fluoranthene	10	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Fluorene	10	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-benzene	10	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	VOAGCMS	Hexachloro-butadiene	5	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-butadiene	10	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-cyclopentadiene	10	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-ethane	10	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	VOAGCMS	Hexanone[2-]	20	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Indeno(1,2,3-cd)pyrene	10	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	VOAGCMS	Iodomethane	5	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Isophorone	10	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	VOAGCMS	Isopropylbenzene	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	VOAGCMS	Isopropyltoluene[4-]	5	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	VOAGCMS	Methyl-2-pentanone[4-]	20	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	VOAGCMS	Methylene Chloride	5	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Methylnaphthalene[2-]	10	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Methylphenol[2-]	10	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Methylphenol[4-]	10	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	VOAGCMS	Naphthalene	5	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Naphthalene	10	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[2-]	50	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[3-]	50	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[4-]	20	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Nitrobenzene	10	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Nitrophenol[2-]	10	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Nitrophenol[4-]	50	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Nitrosodi-methylamine[N-]	10	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Nitroso-di-n-propylamine[N-]	10	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Nitrosodi-phenylamine[N-]	10	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Oxybis(1-chloropropane)[2,2'-]	10	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Pentachlorophenol	50	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Phenanthrene	10	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Phenol	10	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	VOAGCMS	Propylbenzene[1-]	5	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Pyrene	10	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Pyridine	10	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	VOAGCMS	Styrene	5	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethane[1,1,1,2-]	5	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethane[1,1,2,2-]	5	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethene	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	VOAGCMS	Toluene	5	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro--1,2,2-trifluoroethane[1,1,2-]	5	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-benzene[1,2,3-]	5	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-benzene[1,2,4-]	5	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-benzene[1,2,4-]	10	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethane[1,1,1-]	5	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethane[1,1,2-]	5	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethene	5	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-fluoromethane	5	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-phenol[2,4,5-]	50	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-phenol[2,4,6-]	10	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-propane[1,2,3-]	5	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trimethylbenzene[1,2,4-]	5	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trimethylbenzene[1,3,5-]	5	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	VOAGCMS	Vinyl Chloride	10	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	VOAGCMS	Xylene (Total)	5	UG/L	U
16-018	16-2777	0816-96-0112	6-Sep-96	NAv	Unfiltered	VOAGCMS	Xylene[1,2-]	5	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Acenaphthene	10	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Acenaphthylene	10	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	VOAGCMS	Acetone	20	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Aniline	10	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Anthracene	10	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Azobenzene	10	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	VOAGCMS	Benzene	5	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(a)anthracene	10	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(a)pyrene	10	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(b)fluoranthene	10	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(g,h,i)perylene	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Benzo(k)fluoranthene	10	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Benzoic Acid	100	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Benzyl Alcohol	40	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-chloroethoxy)methane	10	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-chloroethyl)ether	10	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Bis(2-ethylhexyl)phthalate	10	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromobenzene	5	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromochloromethane	5	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	VOAGCMS	BromoDichloro-methane	5	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromoform	5	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	VOAGCMS	Bromomethane	10	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Bromophenyl-phenylether[4-]	10	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butanone[2-]	20	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[n-]	5	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[sec-]	5	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	VOAGCMS	Butylbenzene[tert-]	5	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Butylbenzylphthalate	10	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Carbazole	10	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	VOAGCMS	Carbon Disulfide	5	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	VOAGCMS	Carbon Tetrachloride	5	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Chloro-3-methylphenol[4-]	20	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Chloroaniline[4-]	40	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorobenzene	5	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorodibromo-methane	5	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloroethane	10	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloroform	5	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chloromethane	10	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Chloronaphthalene[2-]	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Chlorophenol[2-]	10	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Chlorophenyl-phenyl[4-] Ether	10	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorotoluene[2-]	5	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	VOAGCMS	Chlorotoluene[4-]	5	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Chrysene	10	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Dibenz(a,h)-anthracene	10	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Dibenzofuran	10	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromo-3-chloropropane[1,2-]	10	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromoethane[1,2-]	5	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dibromomethane	5	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,2-]	5	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,2-]	10	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,3-]	5	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,3-]	10	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichlorobenzene[1,4-]	5	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Dichlorobenzene[1,4-]	10	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Dichloro-benzidine[3,3'-]	20	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-difluoromethane	10	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethane[1,1-]	5	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethane[1,2-]	5	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[1,1-]	5	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[cis-1,2-]	5	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-ethene[trans-1,2-]	5	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Dichloro-phenol[2,4-]	10	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[1,2-]	5	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[1,3-]	5	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propane[2,2-]	5	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[1,1-]	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[cis-1,3-]	5	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	VOAGCMS	Dichloro-propene[trans-1,3-]	5	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Diethylphthalate	10	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Dimethyl Phthalate	10	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Dimethylphenol[2,4-]	10	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Di-n-butylphthalate	10	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Dinitro-2-methylphenol[4,6-]	50	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrophenol[2,4-]	50	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrotoluene[2,4-]	10	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Dinitrotoluene[2,6-]	10	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Di-n-octylphthalate	10	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	VOAGCMS	Ethylbenzene	5	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Fluoranthene	10	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Fluorene	10	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-benzene	10	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	VOAGCMS	Hexachloro-butadiene	5	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-butadiene	10	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-cyclopentadiene	10	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Hexachloro-ethane	10	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	VOAGCMS	Hexanone[2-]	20	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Indeno(1,2,3-cd)pyrene	10	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	VOAGCMS	Iodomethane	5	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Isophorone	10	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	VOAGCMS	Isopropylbenzene	5	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	VOAGCMS	Isopropyltoluene[4-]	5	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	VOAGCMS	Methyl-2-pentanone[4-]	20	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	VOAGCMS	Methylene Chloride	5	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Methylnaphthalene[2-]	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Methylphenol[2-]	10	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Methylphenol[4-]	10	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	VOAGCMS	Naphthalene	5	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Naphthalene	10	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[2-]	50	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[3-]	50	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Nitroaniline[4-]	20	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Nitrobenzene	10	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Nitrophenol[2-]	10	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Nitrophenol[4-]	50	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Nitrosodi-methylamine[N-]	10	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Nitroso-di-n-propylamine[N-]	10	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Nitrosodi-phenylamine[N-]	10	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Oxybis(1-chloropropane)[2,2'-]	10	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Pentachlorophenol	50	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Phenanthrene	10	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Phenol	10	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	VOAGCMS	Propylbenzene[1-]	5	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Pyrene	10	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Pyridine	10	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	VOAGCMS	Styrene	5	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethane[1,1,1,2-]	5	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethane[1,1,2,2-]	5	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	VOAGCMS	Tetrachloroethene	5	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	VOAGCMS	Toluene	5	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro--1,2,2-trifluoroethane[1,1,2-]	5	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-benzene[1,2,3-]	5	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-benzene[1,2,4-]	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-benzene[1,2,4-]	10	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethane[1,1,1-]	5	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethane[1,1,2-]	5	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-ethene	5	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-fluoromethane	5	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-phenol[2,4,5-]	50	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	SEMI	Trichloro-phenol[2,4,6-]	10	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trichloro-propane[1,2,3-]	5	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trimethylbenzene[1,2,4-]	5	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	VOAGCMS	Trimethylbenzene[1,3,5-]	5	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	VOAGCMS	Vinyl Chloride	10	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	VOAGCMS	Xylene (Total)	5	UG/L	U
16-018	16-2778	0816-96-0113	6-Sep-96	NAv	Unfiltered	VOAGCMS	Xylene[1,2-]	5	UG/L	U
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Acenaphthene	10	UG/L	U
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Acenaphthylene	10	UG/L	U
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Aniline	10	UG/L	U
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Anthracene	10	UG/L	U
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Azobenzene	10	UG/L	U
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Benzidine	10	UG/L	U
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Benzo(a)anthracene	10	UG/L	U
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Benzo(a)pyrene	10	UG/L	U
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Benzo(b)fluoranthene	10	UG/L	U
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Benzo(g,h,i)perylene	10	UG/L	U
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Benzo(k)fluoranthene	10	UG/L	U
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Benzoic Acid	10	UG/L	U
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Benzyl Alcohol	10	UG/L	U
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Bis(2-chloroethoxy)methane	10	UG/L	U
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Bis(2-chloroethyl)ether	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Bis(2-ethylhexyl)phthalate	10	UG/L	U
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Bromophenyl-phenylether[4-]	10	UG/L	U
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Butylbenzylphthalate	10	UG/L	U
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Chloro-3-methylphenol[4-]	10	UG/L	U
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Chloroaniline[4-]	10	UG/L	U
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Chloronaphthalene[2-]	10	UG/L	U
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Chlorophenol[2-]	10	UG/L	U
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Chlorophenyl-phenyl[4-] Ether	10	UG/L	U
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Chrysene	10	UG/L	U
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Dibenz(a,h)-anthracene	10	UG/L	U
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Dibenzofuran	10	UG/L	U
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Dichlorobenzene[1,2-]	10	UG/L	U
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Dichlorobenzene[1,3-]	10	UG/L	U
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Dichlorobenzene[1,4-]	10	UG/L	U
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Dichloro-benzidine[3,3'-]	10	UG/L	U
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Dichloro-phenol[2,4-]	10	UG/L	U
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Diethylphthalate	10	UG/L	U
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Dimethyl Phthalate	10	UG/L	U
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Dimethylphenol[2,4-]	10	UG/L	U
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Di-n-butylphthalate	10	UG/L	U
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Dinitro-2-methylphenol[4,6-]	10	UG/L	U
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Dinitrophenol[2,4-]	10	UG/L	U
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Dinitrotoluene[2,4-]	10	UG/L	U
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Dinitrotoluene[2,6-]	10	UG/L	U
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Di-n-octylphthalate	10	UG/L	U
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Fluoranthene	10	UG/L	U
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Fluorene	10	UG/L	U
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Hexachloro-benzene	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Hexachloro-butadiene	10	UG/L	U
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Hexachloro-cyclopentadiene	10	UG/L	U
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Hexachloro-ethane	10	UG/L	U
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Indeno(1,2,3-cd)pyrene	10	UG/L	U
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Isophorone	10	UG/L	U
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Methylnaphthalene[2-]	10	UG/L	U
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Methylphenol[2-]	10	UG/L	U
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Methylphenol[4-]	10	UG/L	U
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Naphthalene	10	UG/L	U
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Nitroaniline[2-]	10	UG/L	U
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Nitroaniline[3-]	10	UG/L	U
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Nitroaniline[4-]	10	UG/L	U
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Nitrobenzene	10	UG/L	U
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Nitrophenol[2-]	10	UG/L	U
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Nitrophenol[4-]	10	UG/L	U
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Nitrosodi-methylamine[N-]	10	UG/L	U
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Nitroso-di-n-propylamine[N-]	10	UG/L	U
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Nitrosodi-phenylamine[N-]	10	UG/L	U
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Oxybis(1-chloropropane)[2,2'-]	10	UG/L	U
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Pentachlorophenol	10	UG/L	U
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Phenanthrene	10	UG/L	U
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Phenol	10	UG/L	U
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Pyrene	10	UG/L	U
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Trichloro-benzene[1,2,4-]	10	UG/L	U
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Trichloro-phenol[2,4,5-]	10	UG/L	U
16-018	16-1001	AAB1597	18-Apr-94	NAv	Filtered	NAv	Trichloro-phenol[2,4,6-]	10	UG/L	U
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Acenaphthene	10	UG/L	U
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Acenaphthylene	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Aniline	10	UG/L	U
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Anthracene	10	UG/L	U
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Azobenzene	10	UG/L	U
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Benzidine	10	UG/L	U
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Benzo(a)anthracene	10	UG/L	U
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Benzo(a)pyrene	10	UG/L	U
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Benzo(b)fluoranthene	10	UG/L	U
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Benzo(g,h,i)perylene	10	UG/L	U
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Benzo(k)fluoranthene	10	UG/L	U
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Benzoic Acid	10	UG/L	U
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Benzyl Alcohol	10	UG/L	U
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Bis(2-chloroethoxy)methane	10	UG/L	U
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Bis(2-chloroethyl)ether	10	UG/L	U
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Bis(2-ethylhexyl)phthalate	10	UG/L	U
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Bromophenyl-phenylether[4-]	10	UG/L	U
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Butylbenzylphthalate	10	UG/L	U
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Chloro-3-methylphenol[4-]	10	UG/L	U
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Chloroaniline[4-]	10	UG/L	U
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Chloronaphthalene[2-]	10	UG/L	U
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Chlorophenol[2-]	10	UG/L	U
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Chlorophenyl-phenyl[4-] Ether	10	UG/L	U
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Chrysene	10	UG/L	U
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Dibenz(a,h)-anthracene	10	UG/L	U
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Dibenzofuran	10	UG/L	U
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Dichlorobenzene[1,2-]	10	UG/L	U
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Dichlorobenzene[1,3-]	10	UG/L	U
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Dichlorobenzene[1,4-]	10	UG/L	U
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Dichloro-benzidine[3,3'-]	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Dichloro-phenol[2,4-]	10	UG/L	U
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Diethylphthalate	10	UG/L	U
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Dimethyl Phthalate	10	UG/L	U
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Dimethylphenol[2,4-]	10	UG/L	U
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Di-n-butylphthalate	10	UG/L	U
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Dinitro-2-methylphenol[4,6-]	10	UG/L	U
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Dinitrophenol[2,4-]	10	UG/L	U
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Dinitrotoluene[2,4-]	10	UG/L	U
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Dinitrotoluene[2,6-]	10	UG/L	U
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Di-n-octylphthalate	10	UG/L	U
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Fluoranthene	10	UG/L	U
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Fluorene	10	UG/L	U
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Hexachloro-benzene	10	UG/L	U
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Hexachloro-butadiene	10	UG/L	U
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Hexachloro-cyclopentadiene	10	UG/L	U
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Hexachloro-ethane	10	UG/L	U
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Indeno(1,2,3-cd)pyrene	10	UG/L	U
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Isophorone	10	UG/L	U
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Methylnaphthalene[2-]	10	UG/L	U
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Methylphenol[2-]	10	UG/L	U
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Methylphenol[4-]	10	UG/L	U
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Naphthalene	10	UG/L	U
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Nitroaniline[2-]	10	UG/L	U
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Nitroaniline[3-]	10	UG/L	U
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Nitroaniline[4-]	10	UG/L	U
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Nitrobenzene	10	UG/L	U
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Nitrophenol[2-]	10	UG/L	U
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Nitrophenol[4-]	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Nitrosodi-methylamine[N-]	10	UG/L	U
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Nitroso-di-n-propylamine[N-]	10	UG/L	U
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Nitrosodi-phenylamine[N-]	10	UG/L	U
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Oxybis(1-chloropropane)[2,2'-]	10	UG/L	U
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Pentachlorophenol	10	UG/L	U
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Phenanthrene	10	UG/L	U
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Phenol	10	UG/L	U
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Pyrene	10	UG/L	U
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Trichloro-benzene[1,2,4-]	10	UG/L	U
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Trichloro-phenol[2,4,5-]	10	UG/L	U
16-018	16-1002	AAB1598	18-Apr-94	NAv	Filtered	NAv	Trichloro-phenol[2,4,6-]	10	UG/L	U
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Acenaphthene	10	UG/L	U
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Acenaphthylene	10	UG/L	U
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Aniline	10	UG/L	U
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Anthracene	10	UG/L	U
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Azobenzene	10	UG/L	U
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Benzidine	10	UG/L	U
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Benzo(a)anthracene	10	UG/L	U
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Benzo(a)pyrene	10	UG/L	U
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Benzo(b)fluoranthene	10	UG/L	U
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Benzo(g,h,i)perylene	10	UG/L	U
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Benzo(k)fluoranthene	10	UG/L	U
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Benzoic Acid	10	UG/L	U
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Benzyl Alcohol	10	UG/L	U
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Bis(2-chloroethoxy)methane	10	UG/L	U
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Bis(2-chloroethyl)ether	10	UG/L	U
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Bis(2-ethylhexyl)phthalate	10	UG/L	U
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Bromophenyl-phenylether[4-]	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Butylbenzylphthalate	10	UG/L	U
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Chloro-3-methylphenol[4-]	10	UG/L	U
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Chloroaniline[4-]	10	UG/L	U
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Chloronaphthalene[2-]	10	UG/L	U
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Chlorophenol[2-]	10	UG/L	U
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Chlorophenyl-phenyl[4-] Ether	10	UG/L	U
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Chrysene	10	UG/L	U
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Dibenz(a,h)-anthracene	10	UG/L	U
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Dibenzofuran	10	UG/L	U
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Dichlorobenzene[1,2-]	10	UG/L	U
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Dichlorobenzene[1,3-]	10	UG/L	U
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Dichlorobenzene[1,4-]	10	UG/L	U
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Dichloro-benzidine[3,3'-]	10	UG/L	U
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Dichloro-phenol[2,4-]	10	UG/L	U
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Diethylphthalate	10	UG/L	U
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Dimethyl Phthalate	10	UG/L	U
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Dimethylphenol[2,4-]	10	UG/L	U
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Di-n-butylphthalate	10	UG/L	U
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Dinitro-2-methylphenol[4,6-]	10	UG/L	U
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Dinitrophenol[2,4-]	10	UG/L	U
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Dinitrotoluene[2,4-]	10	UG/L	U
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Dinitrotoluene[2,6-]	10	UG/L	U
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Di-n-octylphthalate	10	UG/L	U
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Fluoranthene	10	UG/L	U
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Fluorene	10	UG/L	U
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Hexachloro-benzene	10	UG/L	U
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Hexachloro-butadiene	10	UG/L	U
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Hexachloro-cyclopentadiene	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Hexachloro-ethane	10	UG/L	U
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Indeno(1,2,3-cd)pyrene	10	UG/L	U
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Isophorone	10	UG/L	U
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Methylnaphthalene[2-]	10	UG/L	U
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Methylphenol[2-]	10	UG/L	U
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Methylphenol[4-]	10	UG/L	U
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Naphthalene	10	UG/L	U
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Nitroaniline[2-]	10	UG/L	U
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Nitroaniline[3-]	10	UG/L	U
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Nitroaniline[4-]	10	UG/L	U
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Nitrobenzene	10	UG/L	U
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Nitrophenol[2-]	10	UG/L	U
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Nitrophenol[4-]	10	UG/L	U
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Nitrosodi-methylamine[N-]	10	UG/L	U
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Nitroso-di-n-propylamine[N-]	10	UG/L	U
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Nitrosodi-phenylamine[N-]	10	UG/L	U
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Oxybis(1-chloropropane)[2,2'-]	10	UG/L	U
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Pentachlorophenol	10	UG/L	U
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Phenanthrene	10	UG/L	U
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Phenol	10	UG/L	U
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Pyrene	10	UG/L	U
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Trichloro-benzene[1,2,4-]	10	UG/L	U
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Trichloro-phenol[2,4,5-]	10	UG/L	U
16-018	16-1003	AAB1599	18-Apr-94	NAv	Filtered	NAv	Trichloro-phenol[2,4,6-]	10	UG/L	U
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Acenaphthene	10	UG/L	U
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Acenaphthylene	10	UG/L	U
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Aniline	10	UG/L	U
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Anthracene	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Azobenzene	10	UG/L	U
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Benzidine	10	UG/L	U
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Benzo(a)anthracene	10	UG/L	U
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Benzo(a)pyrene	10	UG/L	U
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Benzo(b)fluoranthene	10	UG/L	U
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Benzo(g,h,i)perylene	10	UG/L	U
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Benzo(k)fluoranthene	10	UG/L	U
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Benzoic Acid	10	UG/L	U
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Benzyl Alcohol	10	UG/L	U
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Bis(2-chloroethoxy)methane	10	UG/L	U
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Bis(2-chloroethyl)ether	10	UG/L	U
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Bis(2-ethylhexyl)phthalate	10	UG/L	U
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Bromophenyl-phenylether[4-]	10	UG/L	U
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Butylbenzylphthalate	10	UG/L	U
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Chloro-3-methylphenol[4-]	10	UG/L	U
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Chloroaniline[4-]	10	UG/L	U
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Chloronaphthalene[2-]	10	UG/L	U
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Chlorophenol[2-]	10	UG/L	U
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Chlorophenyl-phenyl[4-] Ether	10	UG/L	U
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Chrysene	10	UG/L	U
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Dibenz(a,h)-anthracene	10	UG/L	U
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Dibenzofuran	10	UG/L	U
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Dichlorobenzene[1,2-]	10	UG/L	U
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Dichlorobenzene[1,3-]	10	UG/L	U
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Dichlorobenzene[1,4-]	10	UG/L	U
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Dichloro-benzidine[3,3'-]	10	UG/L	U
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Dichloro-phenol[2,4-]	10	UG/L	U
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Diethylphthalate	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Dimethyl Phthalate	10	UG/L	U
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Dimethylphenol[2,4-]	10	UG/L	U
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Di-n-butylphthalate	10	UG/L	U
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Dinitro-2-methylphenol[4,6-]	10	UG/L	U
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Dinitrophenol[2,4-]	10	UG/L	U
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Dinitrotoluene[2,4-]	10	UG/L	U
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Dinitrotoluene[2,6-]	10	UG/L	U
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Di-n-octylphthalate	10	UG/L	U
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Fluoranthene	10	UG/L	U
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Fluorene	10	UG/L	U
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Hexachloro-benzene	10	UG/L	U
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Hexachloro-butadiene	10	UG/L	U
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Hexachloro-cyclopentadiene	10	UG/L	U
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Hexachloro-ethane	10	UG/L	U
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Indeno(1,2,3-cd)pyrene	10	UG/L	U
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Isophorone	10	UG/L	U
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Methylnaphthalene[2-]	10	UG/L	U
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Methylphenol[2-]	10	UG/L	U
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Methylphenol[4-]	10	UG/L	U
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Naphthalene	10	UG/L	U
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Nitroaniline[2-]	10	UG/L	U
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Nitroaniline[3-]	10	UG/L	U
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Nitroaniline[4-]	10	UG/L	U
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Nitrobenzene	10	UG/L	U
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Nitrophenol[2-]	10	UG/L	U
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Nitrophenol[4-]	10	UG/L	U
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Nitrosodi-methylamine[N-]	10	UG/L	U
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Nitroso-di-n-propylamine[N-]	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Nitrosodi-phenylamine[N-]	10	UG/L	U
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Oxybis(1-chloropropane)[2,2'-]	10	UG/L	U
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Pentachlorophenol	10	UG/L	U
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Phenanthrene	10	UG/L	U
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Phenol	10	UG/L	U
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Pyrene	10	UG/L	U
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Trichloro-benzene[1,2,4-]	10	UG/L	U
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Trichloro-phenol[2,4,5-]	10	UG/L	U
16-018	16-1004	AAB1600	18-Apr-94	NAv	Filtered	NAv	Trichloro-phenol[2,4,6-]	10	UG/L	U
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Acenaphthene	10	UG/L	U
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Acenaphthylene	10	UG/L	U
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Aniline	10	UG/L	U
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Anthracene	10	UG/L	U
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Azobenzene	10	UG/L	U
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Benzidine	10	UG/L	U
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Benzo(a)anthracene	10	UG/L	U
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Benzo(a)pyrene	10	UG/L	U
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Benzo(b)fluoranthene	10	UG/L	U
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Benzo(g,h,i)perylene	10	UG/L	U
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Benzo(k)fluoranthene	10	UG/L	U
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Benzoic Acid	10	UG/L	U
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Benzyl Alcohol	10	UG/L	U
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Bis(2-chloroethoxy)methane	10	UG/L	U
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Bis(2-chloroethyl)ether	10	UG/L	U
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Bis(2-ethylhexyl)phthalate	10	UG/L	U
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Bromophenyl-phenylether[4-]	10	UG/L	U
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Butylbenzylphthalate	10	UG/L	U
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Chloro-3-methylphenol[4-]	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Chloroaniline[4-]	10	UG/L	U
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Chloronaphthalene[2-]	10	UG/L	U
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Chlorophenol[2-]	10	UG/L	U
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Chlorophenyl-phenyl[4-] Ether	10	UG/L	U
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Chrysene	10	UG/L	U
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Dibenz(a,h)-anthracene	10	UG/L	U
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Dibenzofuran	10	UG/L	U
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Dichlorobenzene[1,2-]	10	UG/L	U
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Dichlorobenzene[1,3-]	10	UG/L	U
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Dichlorobenzene[1,4-]	10	UG/L	U
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Dichloro-benzidine[3,3'-]	10	UG/L	U
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Dichloro-phenol[2,4-]	10	UG/L	U
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Diethylphthalate	10	UG/L	U
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Dimethyl Phthalate	10	UG/L	U
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Dimethylphenol[2,4-]	10	UG/L	U
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Di-n-butylphthalate	10	UG/L	U
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Dinitro-2-methylphenol[4,6-]	10	UG/L	U
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Dinitrophenol[2,4-]	10	UG/L	U
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Dinitrotoluene[2,4-]	10	UG/L	U
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Dinitrotoluene[2,6-]	10	UG/L	U
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Di-n-octylphthalate	10	UG/L	U
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Fluoranthene	10	UG/L	U
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Fluorene	10	UG/L	U
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Hexachloro-benzene	10	UG/L	U
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Hexachloro-butadiene	10	UG/L	U
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Hexachloro-cyclopentadiene	10	UG/L	U
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Hexachloro-ethane	10	UG/L	U
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Indeno(1,2,3-cd)pyrene	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Isophorone	10	UG/L	U
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Methylnaphthalene[2-]	10	UG/L	U
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Methylphenol[2-]	10	UG/L	U
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Methylphenol[4-]	10	UG/L	U
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Naphthalene	10	UG/L	U
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Nitroaniline[2-]	10	UG/L	U
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Nitroaniline[3-]	10	UG/L	U
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Nitroaniline[4-]	10	UG/L	U
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Nitrobenzene	10	UG/L	U
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Nitrophenol[2-]	10	UG/L	U
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Nitrophenol[4-]	10	UG/L	U
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Nitrosodi-methylamine[N-]	10	UG/L	U
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Nitroso-di-n-propylamine[N-]	10	UG/L	U
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Nitrosodi-phenylamine[N-]	10	UG/L	U
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Oxybis(1-chloropropane)[2,2'-]	10	UG/L	U
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Pentachlorophenol	10	UG/L	U
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Phenanthrene	10	UG/L	U
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Phenol	10	UG/L	U
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Pyrene	10	UG/L	U
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Trichloro-benzene[1,2,4-]	10	UG/L	U
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Trichloro-phenol[2,4,5-]	10	UG/L	U
16-018	16-1005	AAB1601	18-Apr-94	NAv	Filtered	NAv	Trichloro-phenol[2,4,6-]	10	UG/L	U
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Acenaphthene	10	UG/L	U
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Acenaphthylene	10	UG/L	U
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Aniline	10	UG/L	U
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Anthracene	10	UG/L	U
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Azobenzene	10	UG/L	U
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Benzidine	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Benzo(a)anthracene	10	UG/L	U
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Benzo(a)pyrene	10	UG/L	U
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Benzo(b)fluoranthene	10	UG/L	U
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Benzo(g,h,i)perylene	10	UG/L	U
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Benzo(k)fluoranthene	10	UG/L	U
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Benzoic Acid	10	UG/L	U
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Benzyl Alcohol	10	UG/L	U
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Bis(2-chloroethoxy)methane	10	UG/L	U
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Bis(2-chloroethyl)ether	10	UG/L	U
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Bis(2-ethylhexyl)phthalate	10	UG/L	U
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Bromophenyl-phenylether[4-]	10	UG/L	U
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Butylbenzylphthalate	10	UG/L	U
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Chloro-3-methylphenol[4-]	10	UG/L	U
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Chloroaniline[4-]	10	UG/L	U
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Chloronaphthalene[2-]	10	UG/L	U
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Chlorophenol[2-]	10	UG/L	U
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Chlorophenyl-phenyl[4-] Ether	10	UG/L	U
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Chrysene	10	UG/L	U
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Dibenz(a,h)-anthracene	10	UG/L	U
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Dibenzofuran	10	UG/L	U
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Dichlorobenzene[1,2-]	10	UG/L	U
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Dichlorobenzene[1,3-]	10	UG/L	U
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Dichlorobenzene[1,4-]	10	UG/L	U
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Dichloro-benzidine[3,3'-]	10	UG/L	U
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Dichloro-phenol[2,4-]	10	UG/L	U
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Diethylphthalate	10	UG/L	U
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Dimethyl Phthalate	10	UG/L	U
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Dimethylphenol[2,4-]	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Di-n-butylphthalate	10	UG/L	U
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Dinitro-2-methylphenol[4,6-]	10	UG/L	U
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Dinitrophenol[2,4-]	10	UG/L	U
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Dinitrotoluene[2,4-]	10	UG/L	U
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Dinitrotoluene[2,6-]	10	UG/L	U
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Di-n-octylphthalate	10	UG/L	U
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Fluoranthene	10	UG/L	U
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Fluorene	10	UG/L	U
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Hexachloro-benzene	10	UG/L	U
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Hexachloro-butadiene	10	UG/L	U
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Hexachloro-cyclopentadiene	10	UG/L	U
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Hexachloro-ethane	10	UG/L	U
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Indeno(1,2,3-cd)pyrene	10	UG/L	U
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Isophorone	10	UG/L	U
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Methylnaphthalene[2-]	10	UG/L	U
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Methylphenol[2-]	10	UG/L	U
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Methylphenol[4-]	10	UG/L	U
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Naphthalene	10	UG/L	U
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Nitroaniline[2-]	10	UG/L	U
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Nitroaniline[3-]	10	UG/L	U
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Nitroaniline[4-]	10	UG/L	U
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Nitrobenzene	10	UG/L	U
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Nitrophenol[2-]	10	UG/L	U
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Nitrophenol[4-]	10	UG/L	U
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Nitrosodi-methylamine[N-]	10	UG/L	U
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Nitroso-di-n-propylamine[N-]	10	UG/L	U
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Nitrosodi-phenylamine[N-]	10	UG/L	U
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Oxybis(1-chloropropane)[2,2'-]	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Pentachlorophenol	10	UG/L	U
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Phenanthrene	10	UG/L	U
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Phenol	10	UG/L	U
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Pyrene	10	UG/L	U
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Trichloro-benzene[1,2,4-]	10	UG/L	U
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Trichloro-phenol[2,4,5-]	10	UG/L	U
16-018	16-1006	AAB1602	18-Apr-94	NAv	Filtered	NAv	Trichloro-phenol[2,4,6-]	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Acenaphthene	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Acenaphthylene	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Acetone	20	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Aniline	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Anthracene	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Azobenzene	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Benzene	5	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Benzidine	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Benzo(a)anthracene	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Benzo(a)pyrene	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Benzo(b)fluoranthene	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Benzo(g,h,i)perylene	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Benzo(k)fluoranthene	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Benzoic Acid	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Benzyl Alcohol	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Bis(2-chloroethoxy)methane	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Bis(2-chloroethyl)ether	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Bis(2-ethylhexyl)phthalate	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Bromobenzene	5	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Bromochloromethane	5	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	BromoDichloro-methane	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Bromoform	5	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Bromomethane	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Bromophenyl-phenylether[4-]	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Butanone[2-]	20	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Butylbenzene[n-]	5	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Butylbenzene[sec-]	5	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Butylbenzene[tert-]	5	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Butylbenzylphthalate	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Carbon Disulfide	5	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Carbon Tetrachloride	5	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Chloro-3-methylphenol[4-]	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Chloroaniline[4-]	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Chlorobenzene	5	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Chlorodibromo-methane	5	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Chloroethane	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Chloroform	5	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Chloromethane	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Chloronaphthalene[2-]	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Chlorophenol[2-]	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Chlorophenyl-phenyl[4-] Ether	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Chlorotoluene[2-]	5	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Chlorotoluene[4-]	5	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Chrysene	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Dibenz(a,h)-anthracene	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Dibenzofuran	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Dibromo-3-chloropropane[1,2-]	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Dibromoethane[1,2-]	5	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Dibromomethane	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Dichlorobenzene[1,2-]	5	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Dichlorobenzene[1,3-]	5	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Dichlorobenzene[1,4-]	5	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-benzidine[3,3'-]	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-difluoromethane	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-ethane[1,1-]	5	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-ethane[1,2-]	5	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-ethene[1,1-]	5	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-ethene[cis-1,2-]	5	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-ethene[trans-1,2-]	5	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-phenol[2,4-]	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-propane[1,2-]	5	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-propane[1,3-]	5	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-propane[2,2-]	5	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-propene[1,1-]	5	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-propene[cis-1,3-]	5	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-propene[trans-1,3-]	5	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Diethylphthalate	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Dimethyl Phthalate	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Dimethylphenol[2,4-]	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Di-n-butylphthalate	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Dinitro-2-methylphenol[4,6-]	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Dinitrophenol[2,4-]	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Dinitrotoluene[2,4-]	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Dinitrotoluene[2,6-]	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Di-n-octylphthalate	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Ethylbenzene	5	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Fluoranthene	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Fluorene	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Hexachloro-benzene	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Hexachloro-butadiene	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Hexachloro-cyclopentadiene	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Hexachloro-ethane	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Hexanone[2-]	20	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Indeno(1,2,3-cd)pyrene	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Iodomethane	5	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Isophorone	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Isopropylbenzene	5	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Isopropyltoluene[4-]	5	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Methyl-2-pentanone[4-]	20	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Methylene Chloride	5	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Methylnaphthalene[2-]	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Methylphenol[2-]	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Methylphenol[4-]	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Naphthalene	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Nitroaniline[2-]	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Nitroaniline[3-]	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Nitroaniline[4-]	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Nitrobenzene	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Nitrophenol[2-]	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Nitrophenol[4-]	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Nitrosodi-methylamine[N-]	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Nitroso-di-n-propylamine[N-]	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Nitrosodi-phenylamine[N-]	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Oxybis(1-chloropropane)[2,2'-]	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Pentachlorophenol	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Phenanthrene	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Phenol	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Propylbenzene[1-]	5	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Pyrene	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Styrene	5	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Tetrachloroethane[1,1,1,2-]	5	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Tetrachloroethane[1,1,2,2-]	5	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Tetrachloroethene	5	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Toluene	5	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Trichloro--1,2,2-trifluoroethane[1,1,2-]	5	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Trichloro-benzene[1,2,4-]	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Trichloro-ethane[1,1,1-]	5	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Trichloro-ethane[1,1,2-]	5	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Trichloro-ethene	5	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Trichloro-fluoromethane	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Trichloro-phenol[2,4,5-]	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Trichloro-phenol[2,4,6-]	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Trichloro-propane[1,2,3-]	5	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Trimethylbenzene[1,2,4-]	5	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Trimethylbenzene[1,3,5-]	5	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Vinyl Chloride	10	UG/L	U
16-018	16-1001	AAB1603	18-Apr-94	NAv	Unfiltered	NAv	Xylene (Total)	5	UG/L	U
16-018	16-1002	AAB1604	18-Apr-94	NAv	Unfiltered	NAv	Acetone	20	UG/L	U
16-018	16-1002	AAB1604	18-Apr-94	NAv	Unfiltered	NAv	Benzene	5	UG/L	U
16-018	16-1002	AAB1604	18-Apr-94	NAv	Unfiltered	NAv	Bromobenzene	5	UG/L	U
16-018	16-1002	AAB1604	18-Apr-94	NAv	Unfiltered	NAv	Bromochloromethane	5	UG/L	U
16-018	16-1002	AAB1604	18-Apr-94	NAv	Unfiltered	NAv	BromoDichloro-methane	5	UG/L	U
16-018	16-1002	AAB1604	18-Apr-94	NAv	Unfiltered	NAv	Bromoform	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-1002	AAB1604	18-Apr-94	NAv	Unfiltered	NAv	Bromomethane	10	UG/L	U
16-018	16-1002	AAB1604	18-Apr-94	NAv	Unfiltered	NAv	Butanone[2-]	20	UG/L	U
16-018	16-1002	AAB1604	18-Apr-94	NAv	Unfiltered	NAv	Butylbenzene[n-]	5	UG/L	U
16-018	16-1002	AAB1604	18-Apr-94	NAv	Unfiltered	NAv	Butylbenzene[sec-]	5	UG/L	U
16-018	16-1002	AAB1604	18-Apr-94	NAv	Unfiltered	NAv	Butylbenzene[tert-]	5	UG/L	U
16-018	16-1002	AAB1604	18-Apr-94	NAv	Unfiltered	NAv	Carbon Disulfide	5	UG/L	U
16-018	16-1002	AAB1604	18-Apr-94	NAv	Unfiltered	NAv	Carbon Tetrachloride	5	UG/L	U
16-018	16-1002	AAB1604	18-Apr-94	NAv	Unfiltered	NAv	Chlorobenzene	5	UG/L	U
16-018	16-1002	AAB1604	18-Apr-94	NAv	Unfiltered	NAv	Chlorodibromo-methane	5	UG/L	U
16-018	16-1002	AAB1604	18-Apr-94	NAv	Unfiltered	NAv	Chloroethane	10	UG/L	U
16-018	16-1002	AAB1604	18-Apr-94	NAv	Unfiltered	NAv	Chloroform	5	UG/L	U
16-018	16-1002	AAB1604	18-Apr-94	NAv	Unfiltered	NAv	Chloromethane	10	UG/L	U
16-018	16-1002	AAB1604	18-Apr-94	NAv	Unfiltered	NAv	Chlorotoluene[2-]	5	UG/L	U
16-018	16-1002	AAB1604	18-Apr-94	NAv	Unfiltered	NAv	Chlorotoluene[4-]	5	UG/L	U
16-018	16-1002	AAB1604	18-Apr-94	NAv	Unfiltered	NAv	Dibromo-3-chloropropane[1,2-]	10	UG/L	U
16-018	16-1002	AAB1604	18-Apr-94	NAv	Unfiltered	NAv	Dibromoethane[1,2-]	5	UG/L	U
16-018	16-1002	AAB1604	18-Apr-94	NAv	Unfiltered	NAv	Dibromomethane	5	UG/L	U
16-018	16-1002	AAB1604	18-Apr-94	NAv	Unfiltered	NAv	Dichlorobenzene[1,2-]	5	UG/L	U
16-018	16-1002	AAB1604	18-Apr-94	NAv	Unfiltered	NAv	Dichlorobenzene[1,3-]	5	UG/L	U
16-018	16-1002	AAB1604	18-Apr-94	NAv	Unfiltered	NAv	Dichlorobenzene[1,4-]	5	UG/L	U
16-018	16-1002	AAB1604	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-difluoromethane	10	UG/L	U
16-018	16-1002	AAB1604	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-ethane[1,1-]	5	UG/L	U
16-018	16-1002	AAB1604	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-ethane[1,2-]	5	UG/L	U
16-018	16-1002	AAB1604	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-ethene[1,1-]	5	UG/L	U
16-018	16-1002	AAB1604	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-ethene[cis-1,2-]	5	UG/L	U
16-018	16-1002	AAB1604	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-ethene[trans-1,2-]	5	UG/L	U
16-018	16-1002	AAB1604	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-propane[1,2-]	5	UG/L	U
16-018	16-1002	AAB1604	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-propane[1,3-]	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-1002	AAB1604	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-propane[2,2-]	5	UG/L	U
16-018	16-1002	AAB1604	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-propene[1,1-]	5	UG/L	U
16-018	16-1002	AAB1604	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-propene[cis-1,3-]	5	UG/L	U
16-018	16-1002	AAB1604	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-propene[trans-1,3-]	5	UG/L	U
16-018	16-1002	AAB1604	18-Apr-94	NAv	Unfiltered	NAv	Ethylbenzene	5	UG/L	U
16-018	16-1002	AAB1604	18-Apr-94	NAv	Unfiltered	NAv	Hexanone[2-]	20	UG/L	U
16-018	16-1002	AAB1604	18-Apr-94	NAv	Unfiltered	NAv	Iodomethane	5	UG/L	U
16-018	16-1002	AAB1604	18-Apr-94	NAv	Unfiltered	NAv	Isopropylbenzene	5	UG/L	U
16-018	16-1002	AAB1604	18-Apr-94	NAv	Unfiltered	NAv	Isopropyltoluene[4-]	5	UG/L	U
16-018	16-1002	AAB1604	18-Apr-94	NAv	Unfiltered	NAv	Methyl-2-pentanone[4-]	20	UG/L	U
16-018	16-1002	AAB1604	18-Apr-94	NAv	Unfiltered	NAv	Methylene Chloride	5	UG/L	U
16-018	16-1002	AAB1604	18-Apr-94	NAv	Unfiltered	NAv	Propylbenzene[1-]	5	UG/L	U
16-018	16-1002	AAB1604	18-Apr-94	NAv	Unfiltered	NAv	Styrene	5	UG/L	U
16-018	16-1002	AAB1604	18-Apr-94	NAv	Unfiltered	NAv	Tetrachloroethane[1,1,1,2-]	5	UG/L	U
16-018	16-1002	AAB1604	18-Apr-94	NAv	Unfiltered	NAv	Tetrachloroethane[1,1,2,2-]	5	UG/L	U
16-018	16-1002	AAB1604	18-Apr-94	NAv	Unfiltered	NAv	Tetrachloroethene	5	UG/L	U
16-018	16-1002	AAB1604	18-Apr-94	NAv	Unfiltered	NAv	Toluene	5	UG/L	U
16-018	16-1002	AAB1604	18-Apr-94	NAv	Unfiltered	NAv	Trichloro--1,2,2-trifluoroethane[1,1,2-]	5	UG/L	U
16-018	16-1002	AAB1604	18-Apr-94	NAv	Unfiltered	NAv	Trichloro-ethane[1,1,1-]	5	UG/L	U
16-018	16-1002	AAB1604	18-Apr-94	NAv	Unfiltered	NAv	Trichloro-ethane[1,1,2-]	5	UG/L	U
16-018	16-1002	AAB1604	18-Apr-94	NAv	Unfiltered	NAv	Trichloro-ethene	5	UG/L	U
16-018	16-1002	AAB1604	18-Apr-94	NAv	Unfiltered	NAv	Trichloro-fluoromethane	10	UG/L	U
16-018	16-1002	AAB1604	18-Apr-94	NAv	Unfiltered	NAv	Trichloro-propane[1,2,3-]	5	UG/L	U
16-018	16-1002	AAB1604	18-Apr-94	NAv	Unfiltered	NAv	Trimethylbenzene[1,2,4-]	5	UG/L	U
16-018	16-1002	AAB1604	18-Apr-94	NAv	Unfiltered	NAv	Trimethylbenzene[1,3,5-]	5	UG/L	U
16-018	16-1002	AAB1604	18-Apr-94	NAv	Unfiltered	NAv	Vinyl Chloride	10	UG/L	U
16-018	16-1002	AAB1604	18-Apr-94	NAv	Unfiltered	NAv	Xylene (Total)	5	UG/L	U
16-018	16-1003	AAB1605	18-Apr-94	NAv	Unfiltered	NAv	Acetone	20	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-1003	AAB1605	18-Apr-94	NAv	Unfiltered	NAv	Benzene	5	UG/L	U
16-018	16-1003	AAB1605	18-Apr-94	NAv	Unfiltered	NAv	Bromobenzene	5	UG/L	U
16-018	16-1003	AAB1605	18-Apr-94	NAv	Unfiltered	NAv	Bromochloromethane	5	UG/L	U
16-018	16-1003	AAB1605	18-Apr-94	NAv	Unfiltered	NAv	BromoDichloro-methane	5	UG/L	U
16-018	16-1003	AAB1605	18-Apr-94	NAv	Unfiltered	NAv	Bromoform	5	UG/L	U
16-018	16-1003	AAB1605	18-Apr-94	NAv	Unfiltered	NAv	Bromomethane	10	UG/L	U
16-018	16-1003	AAB1605	18-Apr-94	NAv	Unfiltered	NAv	Butanone[2-]	20	UG/L	U
16-018	16-1003	AAB1605	18-Apr-94	NAv	Unfiltered	NAv	Butylbenzene[n-]	5	UG/L	U
16-018	16-1003	AAB1605	18-Apr-94	NAv	Unfiltered	NAv	Butylbenzene[sec-]	5	UG/L	U
16-018	16-1003	AAB1605	18-Apr-94	NAv	Unfiltered	NAv	Butylbenzene[tert-]	5	UG/L	U
16-018	16-1003	AAB1605	18-Apr-94	NAv	Unfiltered	NAv	Carbon Disulfide	5	UG/L	U
16-018	16-1003	AAB1605	18-Apr-94	NAv	Unfiltered	NAv	Carbon Tetrachloride	5	UG/L	U
16-018	16-1003	AAB1605	18-Apr-94	NAv	Unfiltered	NAv	Chlorobenzene	5	UG/L	U
16-018	16-1003	AAB1605	18-Apr-94	NAv	Unfiltered	NAv	Chlorodibromo-methane	5	UG/L	U
16-018	16-1003	AAB1605	18-Apr-94	NAv	Unfiltered	NAv	Chloroethane	10	UG/L	U
16-018	16-1003	AAB1605	18-Apr-94	NAv	Unfiltered	NAv	Chloroform	5	UG/L	U
16-018	16-1003	AAB1605	18-Apr-94	NAv	Unfiltered	NAv	Chloromethane	10	UG/L	U
16-018	16-1003	AAB1605	18-Apr-94	NAv	Unfiltered	NAv	Chlorotoluene[2-]	5	UG/L	U
16-018	16-1003	AAB1605	18-Apr-94	NAv	Unfiltered	NAv	Chlorotoluene[4-]	5	UG/L	U
16-018	16-1003	AAB1605	18-Apr-94	NAv	Unfiltered	NAv	Dibromo-3-chloropropane[1,2-]	10	UG/L	U
16-018	16-1003	AAB1605	18-Apr-94	NAv	Unfiltered	NAv	Dibromoethane[1,2-]	5	UG/L	U
16-018	16-1003	AAB1605	18-Apr-94	NAv	Unfiltered	NAv	Dibromomethane	5	UG/L	U
16-018	16-1003	AAB1605	18-Apr-94	NAv	Unfiltered	NAv	Dichlorobenzene[1,2-]	5	UG/L	U
16-018	16-1003	AAB1605	18-Apr-94	NAv	Unfiltered	NAv	Dichlorobenzene[1,3-]	5	UG/L	U
16-018	16-1003	AAB1605	18-Apr-94	NAv	Unfiltered	NAv	Dichlorobenzene[1,4-]	5	UG/L	U
16-018	16-1003	AAB1605	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-difluoromethane	10	UG/L	U
16-018	16-1003	AAB1605	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-ethane[1,1-]	5	UG/L	U
16-018	16-1003	AAB1605	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-ethane[1,2-]	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-1003	AAB1605	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-ethene[1,1-]	5	UG/L	U
16-018	16-1003	AAB1605	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-ethene[cis-1,2-]	5	UG/L	U
16-018	16-1003	AAB1605	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-ethene[trans-1,2-]	5	UG/L	U
16-018	16-1003	AAB1605	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-propane[1,2-]	5	UG/L	U
16-018	16-1003	AAB1605	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-propane[1,3-]	5	UG/L	U
16-018	16-1003	AAB1605	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-propane[2,2-]	5	UG/L	U
16-018	16-1003	AAB1605	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-propene[1,1-]	5	UG/L	U
16-018	16-1003	AAB1605	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-propene[cis-1,3-]	5	UG/L	U
16-018	16-1003	AAB1605	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-propene[trans-1,3-]	5	UG/L	U
16-018	16-1003	AAB1605	18-Apr-94	NAv	Unfiltered	NAv	Ethylbenzene	5	UG/L	U
16-018	16-1003	AAB1605	18-Apr-94	NAv	Unfiltered	NAv	Hexanone[2-]	20	UG/L	U
16-018	16-1003	AAB1605	18-Apr-94	NAv	Unfiltered	NAv	Iodomethane	5	UG/L	U
16-018	16-1003	AAB1605	18-Apr-94	NAv	Unfiltered	NAv	Isopropylbenzene	5	UG/L	U
16-018	16-1003	AAB1605	18-Apr-94	NAv	Unfiltered	NAv	Isopropyltoluene[4-]	5	UG/L	U
16-018	16-1003	AAB1605	18-Apr-94	NAv	Unfiltered	NAv	Methyl-2-pentanone[4-]	20	UG/L	U
16-018	16-1003	AAB1605	18-Apr-94	NAv	Unfiltered	NAv	Methylene Chloride	5	UG/L	U
16-018	16-1003	AAB1605	18-Apr-94	NAv	Unfiltered	NAv	Propylbenzene[1-]	5	UG/L	U
16-018	16-1003	AAB1605	18-Apr-94	NAv	Unfiltered	NAv	Styrene	5	UG/L	U
16-018	16-1003	AAB1605	18-Apr-94	NAv	Unfiltered	NAv	Tetrachloroethane[1,1,1,2-]	5	UG/L	U
16-018	16-1003	AAB1605	18-Apr-94	NAv	Unfiltered	NAv	Tetrachloroethane[1,1,2,2-]	5	UG/L	U
16-018	16-1003	AAB1605	18-Apr-94	NAv	Unfiltered	NAv	Tetrachloroethene	5	UG/L	U
16-018	16-1003	AAB1605	18-Apr-94	NAv	Unfiltered	NAv	Toluene	5	UG/L	U
16-018	16-1003	AAB1605	18-Apr-94	NAv	Unfiltered	NAv	Trichloro--1,2,2-trifluoroethane[1,1,2-]	5	UG/L	U
16-018	16-1003	AAB1605	18-Apr-94	NAv	Unfiltered	NAv	Trichloro-ethane[1,1,1-]	5	UG/L	U
16-018	16-1003	AAB1605	18-Apr-94	NAv	Unfiltered	NAv	Trichloro-ethane[1,1,2-]	5	UG/L	U
16-018	16-1003	AAB1605	18-Apr-94	NAv	Unfiltered	NAv	Trichloro-ethene	5	UG/L	U
16-018	16-1003	AAB1605	18-Apr-94	NAv	Unfiltered	NAv	Trichloro-fluoromethane	10	UG/L	U
16-018	16-1003	AAB1605	18-Apr-94	NAv	Unfiltered	NAv	Trichloro-propane[1,2,3-]	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-1003	AAB1605	18-Apr-94	NAv	Unfiltered	NAv	Trimethylbenzene[1,2,4-]	5	UG/L	U
16-018	16-1003	AAB1605	18-Apr-94	NAv	Unfiltered	NAv	Trimethylbenzene[1,3,5-]	5	UG/L	U
16-018	16-1003	AAB1605	18-Apr-94	NAv	Unfiltered	NAv	Vinyl Chloride	10	UG/L	U
16-018	16-1003	AAB1605	18-Apr-94	NAv	Unfiltered	NAv	Xylene (Total)	5	UG/L	U
16-018	16-1004	AAB1606	18-Apr-94	NAv	Unfiltered	NAv	Acetone	20	UG/L	U
16-018	16-1004	AAB1606	18-Apr-94	NAv	Unfiltered	NAv	Benzene	5	UG/L	U
16-018	16-1004	AAB1606	18-Apr-94	NAv	Unfiltered	NAv	Bromobenzene	5	UG/L	U
16-018	16-1004	AAB1606	18-Apr-94	NAv	Unfiltered	NAv	Bromochloromethane	5	UG/L	U
16-018	16-1004	AAB1606	18-Apr-94	NAv	Unfiltered	NAv	BromoDichloro-methane	5	UG/L	U
16-018	16-1004	AAB1606	18-Apr-94	NAv	Unfiltered	NAv	Bromoform	5	UG/L	U
16-018	16-1004	AAB1606	18-Apr-94	NAv	Unfiltered	NAv	Bromomethane	10	UG/L	U
16-018	16-1004	AAB1606	18-Apr-94	NAv	Unfiltered	NAv	Butanone[2-]	20	UG/L	U
16-018	16-1004	AAB1606	18-Apr-94	NAv	Unfiltered	NAv	Butylbenzene[n-]	5	UG/L	U
16-018	16-1004	AAB1606	18-Apr-94	NAv	Unfiltered	NAv	Butylbenzene[sec-]	5	UG/L	U
16-018	16-1004	AAB1606	18-Apr-94	NAv	Unfiltered	NAv	Butylbenzene[tert-]	5	UG/L	U
16-018	16-1004	AAB1606	18-Apr-94	NAv	Unfiltered	NAv	Carbon Disulfide	5	UG/L	U
16-018	16-1004	AAB1606	18-Apr-94	NAv	Unfiltered	NAv	Carbon Tetrachloride	5	UG/L	U
16-018	16-1004	AAB1606	18-Apr-94	NAv	Unfiltered	NAv	Chlorobenzene	5	UG/L	U
16-018	16-1004	AAB1606	18-Apr-94	NAv	Unfiltered	NAv	Chlorodibromo-methane	5	UG/L	U
16-018	16-1004	AAB1606	18-Apr-94	NAv	Unfiltered	NAv	Chloroethane	10	UG/L	U
16-018	16-1004	AAB1606	18-Apr-94	NAv	Unfiltered	NAv	Chloroform	5	UG/L	U
16-018	16-1004	AAB1606	18-Apr-94	NAv	Unfiltered	NAv	Chloromethane	10	UG/L	U
16-018	16-1004	AAB1606	18-Apr-94	NAv	Unfiltered	NAv	Chlorotoluene[2-]	5	UG/L	U
16-018	16-1004	AAB1606	18-Apr-94	NAv	Unfiltered	NAv	Chlorotoluene[4-]	5	UG/L	U
16-018	16-1004	AAB1606	18-Apr-94	NAv	Unfiltered	NAv	Dibromo-3-chloropropane[1,2-]	10	UG/L	U
16-018	16-1004	AAB1606	18-Apr-94	NAv	Unfiltered	NAv	Dibromoethane[1,2-]	5	UG/L	U
16-018	16-1004	AAB1606	18-Apr-94	NAv	Unfiltered	NAv	Dibromomethane	5	UG/L	U
16-018	16-1004	AAB1606	18-Apr-94	NAv	Unfiltered	NAv	Dichlorobenzene[1,2-]	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-1004	AAB1606	18-Apr-94	NAv	Unfiltered	NAv	Dichlorobenzene[1,3-]	5	UG/L	U
16-018	16-1004	AAB1606	18-Apr-94	NAv	Unfiltered	NAv	Dichlorobenzene[1,4-]	5	UG/L	U
16-018	16-1004	AAB1606	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-difluoromethane	10	UG/L	U
16-018	16-1004	AAB1606	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-ethane[1,1-]	5	UG/L	U
16-018	16-1004	AAB1606	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-ethane[1,2-]	5	UG/L	U
16-018	16-1004	AAB1606	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-ethene[1,1-]	5	UG/L	U
16-018	16-1004	AAB1606	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-ethene[cis-1,2-]	5	UG/L	U
16-018	16-1004	AAB1606	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-ethene[trans-1,2-]	5	UG/L	U
16-018	16-1004	AAB1606	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-propane[1,2-]	5	UG/L	U
16-018	16-1004	AAB1606	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-propane[1,3-]	5	UG/L	U
16-018	16-1004	AAB1606	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-propane[2,2-]	5	UG/L	U
16-018	16-1004	AAB1606	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-propene[1,1-]	5	UG/L	U
16-018	16-1004	AAB1606	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-propene[cis-1,3-]	5	UG/L	U
16-018	16-1004	AAB1606	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-propene[trans-1,3-]	5	UG/L	U
16-018	16-1004	AAB1606	18-Apr-94	NAv	Unfiltered	NAv	Ethylbenzene	5	UG/L	U
16-018	16-1004	AAB1606	18-Apr-94	NAv	Unfiltered	NAv	Hexanone[2-]	20	UG/L	U
16-018	16-1004	AAB1606	18-Apr-94	NAv	Unfiltered	NAv	Iodomethane	5	UG/L	U
16-018	16-1004	AAB1606	18-Apr-94	NAv	Unfiltered	NAv	Isopropylbenzene	5	UG/L	U
16-018	16-1004	AAB1606	18-Apr-94	NAv	Unfiltered	NAv	Isopropyltoluene[4-]	5	UG/L	U
16-018	16-1004	AAB1606	18-Apr-94	NAv	Unfiltered	NAv	Methyl-2-pentanone[4-]	20	UG/L	U
16-018	16-1004	AAB1606	18-Apr-94	NAv	Unfiltered	NAv	Methylene Chloride	5	UG/L	U
16-018	16-1004	AAB1606	18-Apr-94	NAv	Unfiltered	NAv	Propylbenzene[1-]	5	UG/L	U
16-018	16-1004	AAB1606	18-Apr-94	NAv	Unfiltered	NAv	Styrene	5	UG/L	U
16-018	16-1004	AAB1606	18-Apr-94	NAv	Unfiltered	NAv	Tetrachloroethane[1,1,1,2-]	5	UG/L	U
16-018	16-1004	AAB1606	18-Apr-94	NAv	Unfiltered	NAv	Tetrachloroethane[1,1,2,2-]	5	UG/L	U
16-018	16-1004	AAB1606	18-Apr-94	NAv	Unfiltered	NAv	Tetrachloroethene	5	UG/L	U
16-018	16-1004	AAB1606	18-Apr-94	NAv	Unfiltered	NAv	Toluene	5	UG/L	U
16-018	16-1004	AAB1606	18-Apr-94	NAv	Unfiltered	NAv	Trichloro--1,2,2-trifluoroethane[1,1,2-]	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-1004	AAB1606	18-Apr-94	NAv	Unfiltered	NAv	Trichloro-ethane[1,1,1-]	5	UG/L	U
16-018	16-1004	AAB1606	18-Apr-94	NAv	Unfiltered	NAv	Trichloro-ethane[1,1,2-]	5	UG/L	U
16-018	16-1004	AAB1606	18-Apr-94	NAv	Unfiltered	NAv	Trichloro-ethene	5	UG/L	U
16-018	16-1004	AAB1606	18-Apr-94	NAv	Unfiltered	NAv	Trichloro-fluoromethane	10	UG/L	U
16-018	16-1004	AAB1606	18-Apr-94	NAv	Unfiltered	NAv	Trichloro-propane[1,2,3-]	5	UG/L	U
16-018	16-1004	AAB1606	18-Apr-94	NAv	Unfiltered	NAv	Trimethylbenzene[1,2,4-]	5	UG/L	U
16-018	16-1004	AAB1606	18-Apr-94	NAv	Unfiltered	NAv	Trimethylbenzene[1,3,5-]	5	UG/L	U
16-018	16-1004	AAB1606	18-Apr-94	NAv	Unfiltered	NAv	Vinyl Chloride	10	UG/L	U
16-018	16-1004	AAB1606	18-Apr-94	NAv	Unfiltered	NAv	Xylene (Total)	5	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Acenaphthene	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Acenaphthylene	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Acetone	32	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Aniline	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Anthracene	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Azobenzene	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Benzene	5	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Benzidine	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Benzo(a)anthracene	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Benzo(a)pyrene	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Benzo(b)fluoranthene	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Benzo(g,h,i)perylene	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Benzo(k)fluoranthene	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Benzoic Acid	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Benzyl Alcohol	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Bis(2-chloroethoxy)methane	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Bis(2-chloroethyl)ether	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Bis(2-ethylhexyl)phthalate	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Bromobenzene	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Bromochloromethane	5	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	BromoDichloro-methane	5	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Bromoform	5	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Bromomethane	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Bromophenyl-phenylether[4-]	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Butanone[2-]	20	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Butylbenzene[n-]	5	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Butylbenzene[sec-]	5	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Butylbenzene[tert-]	5	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Butylbenzylphthalate	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Carbon Disulfide	5	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Carbon Tetrachloride	5	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Chloro-3-methylphenol[4-]	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Chloroaniline[4-]	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Chlorobenzene	5	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Chlorodibromo-methane	5	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Chloroethane	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Chloroform	5	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Chloromethane	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Chloronaphthalene[2-]	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Chlorophenol[2-]	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Chlorophenyl-phenyl[4-] Ether	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Chlorotoluene[2-]	5	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Chlorotoluene[4-]	5	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Chrysene	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Dibenz(a,h)-anthracene	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Dibenzofuran	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Dibromo-3-chloropropane[1,2-]	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Dibromoethane[1,2-]	5	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Dibromomethane	5	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Dichlorobenzene[1,2-]	5	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Dichlorobenzene[1,3-]	5	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Dichlorobenzene[1,4-]	5	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-benzidine[3,3'-]	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-difluoromethane	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-ethane[1,1-]	5	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-ethane[1,2-]	5	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-ethene[1,1-]	5	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-ethene[cis-1,2-]	5	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-ethene[trans-1,2-]	5	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-phenol[2,4-]	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-propane[1,2-]	5	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-propane[1,3-]	5	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-propane[2,2-]	5	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-propene[1,1-]	5	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-propene[cis-1,3-]	5	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-propene[trans-1,3-]	5	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Diethylphthalate	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Dimethyl Phthalate	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Dimethylphenol[2,4-]	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Di-n-butylphthalate	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Dinitro-2-methylphenol[4,6-]	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Dinitrophenol[2,4-]	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Dinitrotoluene[2,4-]	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Dinitrotoluene[2,6-]	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Di-n-octylphthalate	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Ethylbenzene	5	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Fluoranthene	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Fluorene	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Hexachloro-benzene	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Hexachloro-butadiene	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Hexachloro-cyclopentadiene	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Hexachloro-ethane	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Hexanone[2-]	20	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Indeno(1,2,3-cd)pyrene	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Iodomethane	5	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Isophorone	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Isopropylbenzene	5	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Isopropyltoluene[4-]	5	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Methyl-2-pentanone[4-]	20	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Methylene Chloride	5	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Methylnaphthalene[2-]	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Methylphenol[2-]	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Methylphenol[4-]	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Naphthalene	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Nitroaniline[2-]	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Nitroaniline[3-]	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Nitroaniline[4-]	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Nitrobenzene	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Nitrophenol[2-]	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Nitrophenol[4-]	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Nitrosodi-methylamine[N-]	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Nitroso-di-n-propylamine[N-]	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Nitrosodi-phenylamine[N-]	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Oxybis(1-chloropropane)[2,2'-]	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Pentachlorophenol	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Phenanthrene	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Phenol	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Propylbenzene[1-]	5	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Pyrene	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Styrene	5	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Tetrachloroethane[1,1,1,2-]	5	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Tetrachloroethane[1,1,2,2-]	5	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Tetrachloroethene	5	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Toluene	5	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Trichloro--1,2,2-trifluoroethane[1,1,2-]	5	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Trichloro-benzene[1,2,4-]	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Trichloro-ethane[1,1,1-]	5	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Trichloro-ethane[1,1,2-]	5	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Trichloro-ethene	5	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Trichloro-fluoromethane	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Trichloro-phenol[2,4,5-]	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Trichloro-phenol[2,4,6-]	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Trichloro-propane[1,2,3-]	5	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Trimethylbenzene[1,2,4-]	5	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Trimethylbenzene[1,3,5-]	5	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Vinyl Chloride	10	UG/L	U
16-018	16-1005	AAB1607	18-Apr-94	NAv	Unfiltered	NAv	Xylene (Total)	5	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Acenaphthene	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Acenaphthylene	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Acetone	20	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Aniline	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Anthracene	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Azobenzene	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Benzene	5	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Benzidine	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Benzo(a)anthracene	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Benzo(a)pyrene	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Benzo(b)fluoranthene	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Benzo(g,h,i)perylene	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Benzo(k)fluoranthene	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Benzoic Acid	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Benzyl Alcohol	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Bis(2-chloroethoxy)methane	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Bis(2-chloroethyl)ether	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Bis(2-ethylhexyl)phthalate	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Bromobenzene	5	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Bromochloromethane	5	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	BromoDichloro-methane	5	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Bromoform	5	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Bromomethane	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Bromophenyl-phenylether[4-]	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Butanone[2-]	20	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Butylbenzene[n-]	5	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Butylbenzene[sec-]	5	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Butylbenzene[tert-]	5	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Butylbenzylphthalate	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Carbon Disulfide	5	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Carbon Tetrachloride	5	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Chloro-3-methylphenol[4-]	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Chloroaniline[4-]	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Chlorobenzene	5	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Chlorodibromo-methane	5	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Chloroethane	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Chloroform	5	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Chloromethane	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Chloronaphthalene[2-]	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Chlorophenol[2-]	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Chlorophenyl-phenyl[4-] Ether	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Chlorotoluene[2-]	5	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Chlorotoluene[4-]	5	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Chrysene	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Dibenz(a,h)-anthracene	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Dibenzofuran	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Dibromo-3-chloropropane[1,2-]	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Dibromoethane[1,2-]	5	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Dibromomethane	5	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Dichlorobenzene[1,2-]	5	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Dichlorobenzene[1,3-]	5	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Dichlorobenzene[1,4-]	5	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-benzidine[3,3'-]	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-difluoromethane	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-ethane[1,1-]	5	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-ethane[1,2-]	5	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-ethene[1,1-]	5	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-ethene[cis-1,2-]	5	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-ethene[trans-1,2-]	5	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-phenol[2,4-]	10	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-propane[1,2-]	5	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-propane[1,3-]	5	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-propane[2,2-]	5	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-propene[1,1-]	5	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-propene[cis-1,3-]	5	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Dichloro-propene[trans-1,3-]	5	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Diethylphthalate	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Dimethyl Phthalate	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Dimethylphenol[2,4-]	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Di-n-butylphthalate	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Dinitro-2-methylphenol[4,6-]	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Dinitrophenol[2,4-]	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Dinitrotoluene[2,4-]	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Dinitrotoluene[2,6-]	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Di-n-octylphthalate	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Ethylbenzene	5	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Fluoranthene	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Fluorene	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Hexachloro-benzene	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Hexachloro-butadiene	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Hexachloro-cyclopentadiene	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Hexachloro-ethane	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Hexanone[2-]	20	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Indeno(1,2,3-cd)pyrene	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Iodomethane	5	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Isophorone	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Isopropylbenzene	5	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Isopropyltoluene[4-]	5	UG/L	U

Table I-3.0-12 (continued)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Methyl-2-pentanone[4-]	20	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Methylene Chloride	5	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Methylnaphthalene[2-]	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Methylphenol[2-]	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Methylphenol[4-]	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Naphthalene	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Nitroaniline[2-]	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Nitroaniline[3-]	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Nitroaniline[4-]	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Nitrobenzene	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Nitrophenol[2-]	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Nitrophenol[4-]	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Nitrosodi-methylamine[N-]	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Nitroso-di-n-propylamine[N-]	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Nitrosodi-phenylamine[N-]	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Oxybis(1-chloropropane)[2,2'-]	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Pentachlorophenol	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Phenanthrene	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Tetrachloroethane[1,1,2,2-]	5	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Tetrachloroethene	5	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Toluene	5	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Trichloro--1,2,2-trifluoroethane[1,1,2-]	5	UG/L	U

Table I-3.0-12 (concluded)

PRS ID	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Units	Focus Validation Qualifier
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Trichloro-benzene[1,2,4-]	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Trichloro-ethane[1,1,1-]	5	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Trichloro-ethane[1,1,2-]	5	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Trichloro-ethene	5	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Trichloro-fluoromethane	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Trichloro-phenol[2,4,5-]	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Trichloro-phenol[2,4,6-]	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Trichloro-propane[1,2,3-]	5	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Trimethylbenzene[1,2,4-]	5	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Trimethylbenzene[1,3,5-]	5	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Vinyl Chloride	10	UG/L	U
16-018	16-1006	AAB1608	18-Apr-94	NAv	Unfiltered	NAv	Xylene (Total)	5	UG/L	U

[a]NAv = Not Available

Table I-3.0-13
Inorganic Chemicals in Alluvial Water Samples

Prs Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	Aluminum	100	UG/L	none
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	Antimony	20	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	Arsenic	4	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	Barium	110	UG/L	none
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	Beryllium	4	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	Cadmium	5	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	Calcium	30000	UG/L	none
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	Chromium, Total	10	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	Cobalt	20	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	Copper	20	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	Cyanide, Total	10	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	Iron	100	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	Lead	2	UG/L	none
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	Magnesium	6600	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	Manganese	710	UG/L	none
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	Mercury	0.2	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	Nickel	40	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	Nitrogen, Nitrate + Nitrite (Expressed as N)	850	UG/L	none
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	Potassium	9000	UG/L	none
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	Selenium	6	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	Silver	10	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	Sodium	190000	UG/L	none
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	Thallium	5	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	Vanadium	10	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	Zinc	40	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	Aluminum	100	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	Antimony	20	UG/L	U

Table I-3.0-13 (continued)

Prs Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	Arsenic	4	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	Barium	3100	UG/L	none
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	Beryllium	4	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	Cadmium	5	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	Calcium	19000	UG/L	none
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	Chromium, Total	10	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	Cobalt	20	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	Copper	20	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	Cyanide, Total	10	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	Iron	50	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	Lead	1	UG/L	none
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	Magnesium	5000	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	Manganese	210	UG/L	none
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	Mercury	0.2	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	Nickel	40	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	Nitrogen, Nitrate + Nitrite (Expressed as N)	1700	UG/L	none
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	Potassium	3000	UG/L	none
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	Selenium	4	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	Silver	10	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	Sodium	19000	UG/L	none
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	Thallium	5	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	Vanadium	10	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	Zinc	20	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	Aluminum	100	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	Antimony	20	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	Arsenic	4	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	Barium	12000	UG/L	none

Table I-3.0-13 (continued)

Prs Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	Beryllium	4	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	Cadmium	5	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	Calcium	16000	UG/L	none
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	Chromium, Total	10	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	Cobalt	20	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	Copper	20	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	Cyanide, Total	10	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	Iron	750	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	Lead	1	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	Magnesium	4700	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	Manganese	1300	UG/L	none
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	Mercury	0.2	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	Nickel	40	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	Potassium	2000	UG/L	none
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	Selenium	4	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	Silver	10	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	Sodium	19000	UG/L	none
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	Thallium	5	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	Vanadium	10	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	Zinc	20	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	Aluminum	100	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	Antimony	20	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	Arsenic	4	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	Barium	5000	UG/L	none
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	Beryllium	4	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	Cadmium	5	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	Calcium	16000	UG/L	none
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	Chromium, Total	10	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	Cobalt	20	UG/L	U

Table I-3.0-13 (continued)

Prs Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	Copper	20	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	Cyanide, Total	10	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	Iron	60	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	Lead	1	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	Magnesium	4600	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	Manganese	10	UG/L	none
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	Mercury	0.2	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	Nickel	40	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	Nitrogen, Nitrate + Nitrite (Expressed as N)	320	UG/L	none
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	Potassium	3000	UG/L	none
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	Selenium	4	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	Silver	10	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	Sodium	17000	UG/L	none
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	Thallium	5	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	Vanadium	10	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	Zinc	20	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	Aluminum	7800	UG/L	none
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	Antimony	20	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	Arsenic	4	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	Barium	160	UG/L	none
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	Beryllium	4	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	Cadmium	5	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	Calcium	32000	UG/L	none
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	Chromium, Total	10	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	Cobalt	20	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	Copper	20	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	Cyanide, Total	10	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	Iron	5800	UG/L	U

Table I-3.0-13 (continued)

Prs Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	Lead	5	UG/L	none
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	Magnesium	7800	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	Manganese	740	UG/L	none
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	Mercury	0.2	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	Nickel	40	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	Nitrogen, Nitrate + Nitrite (Expressed as N)	1100	UG/L	none
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	Potassium	9000	UG/L	none
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	Selenium	8	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	Silver	10	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	Sodium	170000	UG/L	none
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	Thallium	5	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	Vanadium	10	UG/L	none
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	Zinc	40	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	Aluminum	28000	UG/L	none
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	Antimony	20	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	Arsenic	9	UG/L	none
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	Barium	4300	UG/L	none
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	Beryllium	4	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	Cadmium	5	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	Calcium	21000	UG/L	none
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	Chromium, Total	30	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	Cobalt	20	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	Copper	20	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	Cyanide, Total	10	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	Iron	30000	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	Lead	38	UG/L	none
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	Magnesium	7400	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	Manganese	1400	UG/L	none

Table I-3.0-13 (continued)

Prs Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	Mercury	2	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	Nickel	40	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	Nitrogen, Nitrate + Nitrite (Expressed as N)	2100	UG/L	none
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	Potassium	10000	UG/L	none
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	Selenium	4	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	Silver	10	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	Sodium	21000	UG/L	none
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	Thallium	5	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	Vanadium	30	UG/L	none
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	Zinc	140	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	Aluminum	19000	UG/L	none
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	Arsenic	4	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	Barium	16000	UG/L	none
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	Beryllium	4	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	Cadmium	5	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	Calcium	19000	UG/L	none
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	Chromium, Total	40	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	Cobalt	20	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	Copper	20	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	Cyanide, Total	10	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	Iron	16000	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	Lead	59	UG/L	none
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	Magnesium	7000	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	Manganese	1800	UG/L	none
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	Mercury	0.2	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	Nickel	40	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	Nitrogen, Nitrate + Nitrite (Expressed as N)	50	UG/L	U

Table I-3.0-13 (continued)

Prs Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	Potassium	6000	UG/L	none
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	Selenium	4	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	Silver	10	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	Sodium	22000	UG/L	none
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	Thallium	5	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	Vanadium	10	UG/L	none
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	Zinc	170	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	Aluminum	20000	UG/L	none
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	Antimony	20	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	Arsenic	4	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	Barium	6800	UG/L	none
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	Beryllium	4	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	Cadmium	5	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	Calcium	17000	UG/L	none
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	Chromium, Total	20	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	Cobalt	20	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	Copper	20	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	Cyanide, Total	10	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	Iron	18000	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	Lead	15	UG/L	none
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	Magnesium	6700	UG/L	none
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	Manganese	880	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	Mercury	0.2	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	Nickel	40	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	Nitrogen, Nitrate + Nitrite (Expressed as N)	320	UG/L	none
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	Potassium	6000	UG/L	none
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	Selenium	4	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	Silver	10	UG/L	U

Table I-3.0-13 (continued)

Prs Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	Sodium	17000	UG/L	none
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	Thallium	5	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	Vanadium	20	UG/L	none
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	Zinc	70	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	Aluminum	428	UG/L	none
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	Antimony	3.4	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	Arsenic	2.6	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	Barium	753	UG/L	none
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	Beryllium	1	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	Cadmium	0.4	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	Calcium	18200	UG/L	none
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	Chromium, Total	1.2	UG/L	J
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	Cobalt	0.95	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	Copper	0.9	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	Iron	265	UG/L	none
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	Lead	1.6	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	Magnesium	4750	UG/L	J
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	Manganese	2.2	UG/L	J
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	Mercury	0.02	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	Nickel	1.4	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	Potassium	3150	UG/L	J
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	Selenium	2.7	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	Silver	1.2	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	Sodium	19000	UG/L	none
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	Thallium	2.2	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	Vanadium	2.4	UG/L	J
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	Zinc	0.9	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	Aluminum	560	UG/L	none
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	Antimony	3.4	UG/L	U

Table I-3.0-13 (continued)

Prs Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	Arsenic	2.6	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	Barium	763	UG/L	none
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	Beryllium	0.96	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	Cadmium	0.4	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	Calcium	18400	UG/L	none
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	Chromium, Total	0.92	UG/L	J
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	Cobalt	0.9	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	Copper	0.9	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	Iron	415	UG/L	none
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	Lead	1.6	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	Magnesium	4830	UG/L	J
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	Manganese	3.2	UG/L	J
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	Mercury	0.02	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	Nickel	2.2	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	Potassium	3190	UG/L	J
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	Selenium	2.7	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	Silver	1.2	UG/L	UJ
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	Sodium	19000	UG/L	none
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	Thallium	2.2	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	Vanadium	2.8	UG/L	J
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	Zinc	0.9	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	Aluminum	1000	UG/L	none
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	Antimony	20	UG/L	UJ
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	Arsenic	21	UG/L	none
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	Barium	1100	UG/L	none
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	Beryllium	4	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	Cadmium	5	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	Calcium	18000	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	Chromium, Total	10	UG/L	U

Table I-3.0-13 (continued)

Prs Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	Cobalt	20	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	Copper	20	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	Iron	6600	UG/L	none
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	Lead	3	UG/L	J
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	Magnesium	4000	UG/L	none
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	Manganese	3200	UG/L	none
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	Mercury	0.2	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	Nickel	40	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	Potassium	3000	UG/L	none
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	Selenium	4	UG/L	UJ
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	Silver	10	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	Sodium	7700	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	Thallium	5	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	Vanadium	10	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	Zinc	40	UG/L	J
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	Aluminum	800	UG/L	none
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	Antimony	20	UG/L	UJ
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	Arsenic	20	UG/L	none
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	Barium	1000	UG/L	none
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	Beryllium	4	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	Cadmium	5	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	Calcium	19000	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	Chromium, Total	10	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	Cobalt	20	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	Copper	20	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	Iron	1100	UG/L	none
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	Lead	1	UG/L	J
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	Magnesium	4200	UG/L	none
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	Manganese	2700	UG/L	none

Table I-3.0-13 (continued)

Prs Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	Mercury	0.2	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	Nickel	40	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	Potassium	2000	UG/L	none
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	Selenium	4	UG/L	UJ
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	Silver	10	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	Sodium	8200	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	Thallium	5	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	Vanadium	10	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	Zinc	50	UG/L	J
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	Aluminum	1500	UG/L	none
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	Antimony	20	UG/L	UJ
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	Arsenic	25	UG/L	none
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	Barium	3000	UG/L	none
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	Beryllium	4	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	Cadmium	5	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	Calcium	19000	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	Chromium, Total	10	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	Cobalt	20	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	Copper	20	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	Iron	610	UG/L	none
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	Lead	5	UG/L	J
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	Magnesium	4800	UG/L	none
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	Manganese	10	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	Mercury	0.2	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	Nickel	40	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	Potassium	3000	UG/L	none
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	Selenium	4	UG/L	UJ
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	Silver	10	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	Sodium	14000	UG/L	U

Table I-3.0-13 (concluded)

Prs Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	Thallium	5	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	Vanadium	10	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	Zinc	50	UG/L	J
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	Aluminum	300	UG/L	none
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	Antimony	20	UG/L	UJ
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	Arsenic	4	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	Barium	3400	UG/L	none
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	Beryllium	4	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	Cadmium	5	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	Calcium	18000	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	Chromium, Total	10	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	Cobalt	20	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	Copper	20	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	Iron	280	UG/L	none
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	Lead	3	UG/L	J
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	Magnesium	4800	UG/L	none
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	Manganese	10	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	Mercury	0.2	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	Nickel	40	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	Potassium	2000	UG/L	none
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	Selenium	4	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	Silver	10	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	Sodium	15000	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	Thallium	5	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	Vanadium	10	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	Zinc	20	UG/L	UJ

Table I-3.0-14

Water Quality Chemicals in Alluvial Water Samples

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	Bromide	4000	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	Chloride	35000	UG/L	none
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	Fluoride	600	UG/L	none
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	Sulfate	60000	UG/L	none
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	Bromide	2000	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	Chloride	14000	UG/L	none
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	Fluoride	100	UG/L	none
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	Sulfate	11000	UG/L	none
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	Bromide	4000	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	Chloride	11000	UG/L	none
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	Fluoride	100	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	Sulfate	8000	UG/L	none
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	Bromide	8000	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	Chloride	13000	UG/L	none
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	Fluoride	100	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	Sulfate	10000	UG/L	none
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	Bromide	2000	UG/L	QNS
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	Chloride	36000	UG/L	none
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	Fluoride	400	UG/L	none
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	Sulfate	23000	UG/L	none
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	Bromide	4000	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	Chloride	15000	UG/L	none
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	Fluoride	100	UG/L	none
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	Sulfate	19000	UG/L	none
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	Bromide	2000	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	Chloride	11000	UG/L	none
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	Fluoride	100	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	Sulfate	10000	UG/L	none

Table I-3.0-14 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	Bromide	4000	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	Chloride	15000	UG/L	none
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	Fluoride	100	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	Sulfate	13000	UG/L	none
16-021(c)	16-2653	0316-97-3026	27-Jun-97	WGS	Filtered	Alkalinity, Total (Methyl Orange [pH=4.5] end point)		UG/L	none
16-021(c)	16-2653	0316-97-3026	27-Jun-97	WGS	Filtered	Boron		UG/L	J
16-021(c)	16-2653	0316-97-3026	27-Jun-97	WGS	Filtered	Bromide		UG/L	U
16-021(c)	16-2653	0316-97-3026	27-Jun-97	WGS	Filtered	Calcium		UG/L	none
16-021(c)	16-2653	0316-97-3026	27-Jun-97	WGS	Filtered	Chloride		UG/L	none
16-021(c)	16-2653	0316-97-3026	27-Jun-97	WGS	Filtered	Conductivity		UMHOS	none
16-021(c)	16-2653	0316-97-3026	27-Jun-97	WGS	Filtered	Fluoride		UG/L	none
16-021(c)	16-2653	0316-97-3026	27-Jun-97	WGS	Filtered	Potassium		UG/L	J
16-021(c)	16-2653	0316-97-3026	27-Jun-97	WGS	Filtered	Silicon		UG/L	none
16-021(c)	16-2653	0316-97-3026	27-Jun-97	WGS	Filtered	Sodium		UG/L	none
16-021(c)	16-2653	0316-97-3026	27-Jun-97	WGS	Filtered	Solids, Total Dissolved		UG/L	none
16-021(c)	16-2653	0316-97-3026	27-Jun-97	WGS	Filtered	Solids, Total Suspended		UG/L	U
16-021(c)	16-2653	0316-97-3026	27-Jun-97	WGS	Filtered	Sulfate		UG/L	none
16-021(c)	16-2653	0316-97-3026	27-Jun-97	WGS	Filtered	Turbidity	6.5	NTU	none
16-021(c)	16-2653	0316-97-3027	27-Jun-97	WGS	Unfiltered	Alkalinity, Total (Methyl Orange [pH=4.5] end point)		UG/L	none
16-021(c)	16-2653	0316-97-3027	27-Jun-97	WGS	Unfiltered	Boron		UG/L	J
16-021(c)	16-2653	0316-97-3027	27-Jun-97	WGS	Unfiltered	Bromide		UG/L	U
16-021(c)	16-2653	0316-97-3027	27-Jun-97	WGS	Unfiltered	Calcium		UG/L	none
16-021(c)	16-2653	0316-97-3027	27-Jun-97	WGS	Unfiltered	Chloride		UG/L	none
16-021(c)	16-2653	0316-97-3027	27-Jun-97	WGS	Unfiltered	Conductivity		UMHOS	none
16-021(c)	16-2653	0316-97-3027	27-Jun-97	WGS	Unfiltered	Fluoride		UG/L	none
16-021(c)	16-2653	0316-97-3027	27-Jun-97	WGS	Unfiltered	Potassium		UG/L	J

Table I-3.0-14 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2653	0316-97-3027	27-Jun-97	WGS	Unfiltered	Silicon		UG/L	none
16-021(c)	16-2653	0316-97-3027	27-Jun-97	WGS	Unfiltered	Sodium		UG/L	none
16-021(c)	16-2653	0316-97-3027	27-Jun-97	WGS	Unfiltered	Solids, Total Dissolved		UG/L	none
16-021(c)	16-2653	0316-97-3027	27-Jun-97	WGS	Unfiltered	Solids, Total Suspended		UG/L	U
16-021(c)	16-2653	0316-97-3027	27-Jun-97	WGS	Unfiltered	Sulfate		UG/L	none
16-021(c)	16-2653	0316-97-3027	27-Jun-97	WGS	Unfiltered	Turbidity	6.6	NTU	none
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	Alkalinity, Total (Methyl Orange [pH=4.5] end point)		UG/L	none
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	Bromide		UG/L	none
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	Chloride		UG/L	none
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	Conductivity		UMHOS	none
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	Fluoride		UG/L	none
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	pH		SU	none
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	Silicon		UG/L	nv
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	Solids, Total Dissolved		UG/L	none
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	Solids, Total Suspended		UG/L	none
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	Sulfate		UG/L	none
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	Turbidity	19	NTU	none
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	Alkalinity, Total (Methyl Orange [pH=4.5] end point)		UG/L	none
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	Bromide		UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	Chloride		UG/L	none
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	Conductivity		UMHOS	none
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	Fluoride		UG/L	none
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	pH		SU	none
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	Silicon		UG/L	none
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	Solids, Total Dissolved		UG/L	none
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	Solids, Total Suspended		UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	Sulfate		UG/L	none

Table I-3.0-14 (concluded)

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	Turbidity	4.3	NTU	none
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	Alkalinity, Total (Methyl Orange [pH=4.5] end point)		UG/L	none
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	Bromide		UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	Chloride		UG/L	none
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	Conductivity		UMHOS	none
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	Fluoride		UG/L	none
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	pH		SU	none
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	Silicon		UG/L	none
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	Solids, Total Dissolved		UG/L	none
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	Solids, Total Suspended		UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	Sulfate		UG/L	none
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	Turbidity	9.5	NTU	none
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	Alkalinity, Total (Methyl Orange [pH=4.5] end point)		UG/L	none
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	Bromide		UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	Chloride		UG/L	none
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	Conductivity		UMHOS	none
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	Fluoride		UG/L	none
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	pH		SU	none
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	Silicon		UG/L	none
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	Solids, Total Dissolved		UG/L	none
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	Solids, Total Suspended		UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	Sulfate		UG/L	none
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	Turbidity	5.7	NTU	none

Table I-3.0-15

High Explosive Chemicals in Alluvial Water Samples

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	Amino-2,6-dinitrotoluene[4-]	0.39	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	Dinitrobenzene[1,3-]	0.2	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	Dinitrotoluene[2,4-]	0.2	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	Dinitrotoluene[2,6-]	0.2	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	HMX	1.7	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	Nitrobenzene	0.2	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	Nitrotoluene[2-]	0.78	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	Nitrotoluene[3-]	0.78	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	Nitrotoluene[4-]	2.3	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	RDX	0.87	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	Tetryl	0.58	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	Trinitrobenzene[1,3,5-]	0.2	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	Trinitrotoluene[2,4,6-]	0.2	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	Amino-2,6-dinitrotoluene[4-]	0.39	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	Dinitrobenzene[1,3-]	0.2	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	Dinitrotoluene[2,4-]	0.2	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	Dinitrotoluene[2,6-]	0.2	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	HMX	1.7	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	Nitrobenzene	0.2	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	Nitrotoluene[2-]	0.78	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	Nitrotoluene[3-]	0.78	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	Nitrotoluene[4-]	2.3	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	RDX	2.8	UG/L	none
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	Tetryl	0.58	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	Trinitrobenzene[1,3,5-]	0.2	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	Trinitrotoluene[2,4,6-]	0.2	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	Amino-2,6-dinitrotoluene[4-]	0.25	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	Amino-4,6-dinitrotoluene[2-]	0.25	UG/L	U

Table I-3.0-15 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	Dinitrobenzene[1,3-]	0.25	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	Dinitrotoluene[2,4-]	0.25	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	Dinitrotoluene[2,6-]	0.25	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	HMX	5.3	UG/L	none
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	Nitrobenzene	1	UG/L	J-
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	Nitrotoluene[2-]	1	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	Nitrotoluene[3-]	1	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	Nitrotoluene[4-]	1	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	RDX	0.84	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	Tetryl	1	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	Trinitrobenzene[1,3,5-]	0.26	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	Trinitrotoluene[2,4,6-]	0.25	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	Amino-2,6-dinitrotoluene[4-]	3.6	UG/L	none
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	Amino-4,6-dinitrotoluene[2-]	3.2	UG/L	none
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	Dinitrobenzene[1,3-]	1.3	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	Dinitrotoluene[2,4-]	1.3	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	Dinitrotoluene[2,6-]	1.3	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	HMX	21	UG/L	none
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	Nitrobenzene	5	UG/L	J-
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	Nitrotoluene[2-]	5	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	Nitrotoluene[3-]	5	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	Nitrotoluene[4-]	5	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	RDX	42	UG/L	none
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	Tetryl	5	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	Trinitrobenzene[1,3,5-]	1.3	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	Trinitrotoluene[2,4,6-]	1.3	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	Amino-2,6-dinitrotoluene[4-]	0.39	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	Dinitrobenzene[1,3-]	0.2	UG/L	U

Table I-3.0-15 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	Dinitrotoluene[2,4-]	0.2	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	Dinitrotoluene[2,6-]	0.2	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	HMX	1.7	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	Nitrobenzene	0.2	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	Nitrotoluene[2-]	0.78	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	Nitrotoluene[3-]	0.78	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	Nitrotoluene[4-]	2.3	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	RDX	0.87	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	Tetryl	0.58	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	Trinitrobenzene[1,3,5-]	0.2	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	Trinitrotoluene[2,4,6-]	0.2	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	Amino-2,6-dinitrotoluene[4-]	0.39	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	Dinitrobenzene[1,3-]	0.2	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	Dinitrotoluene[2,4-]	0.2	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	Dinitrotoluene[2,6-]	0.2	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	HMX	1.7	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	Nitrobenzene	0.2	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	Nitrotoluene[2-]	0.78	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	Nitrotoluene[3-]	0.78	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	Nitrotoluene[4-]	2.3	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	RDX	1.6	UG/L	none
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	Tetryl	0.58	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	Trinitrobenzene[1,3,5-]	0.2	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	Trinitrotoluene[2,4,6-]	0.2	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	Amino-2,6-dinitrotoluene[4-]	0.25	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	Amino-4,6-dinitrotoluene[2-]	0.25	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	Dinitrobenzene[1,3-]	0.25	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	Dinitrotoluene[2,4-]	0.25	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	Dinitrotoluene[2,6-]	0.25	UG/L	U

Table I-3.0-15 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	HMX	2.4	UG/L	none
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	Nitrobenzene	1	UG/L	J-
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	Nitrotoluene[2-]	1	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	Nitrotoluene[3-]	1	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	Nitrotoluene[4-]	1	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	RDX	0.84	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	Tetryl	1	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	Trinitrobenzene[1,3,5-]	0.26	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	Trinitrotoluene[2,4,6-]	0.25	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	Amino-2,6-dinitrotoluene[4-]	4.9	UG/L	none
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	Amino-4,6-dinitrotoluene[2-]	4.9	UG/L	none
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	Dinitrobenzene[1,3-]	1.3	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	Dinitrotoluene[2,4-]	1.3	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	Dinitrotoluene[2,6-]	1.3	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	HMX	19	UG/L	none
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	Nitrobenzene	5	UG/L	UJ-
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	Nitrotoluene[2-]	5	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	Nitrotoluene[3-]	5	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	Nitrotoluene[4-]	5	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	RDX	48	UG/L	none
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	Tetryl	5	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	Trinitrobenzene[1,3,5-]	1.3	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	Trinitrotoluene[2,4,6-]	20	UG/L	none
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	Amino-2,6-dinitrotoluene[4-]	0.534	UG/L	none
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	Amino-4,6-dinitrotoluene[2-]	0.211	UG/L	none
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	Dinitrobenzene[1,3-]	0.048	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	Dinitrotoluene[2,4-]	0.036	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	Dinitrotoluene[2,6-]	0.048	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	HMX	0.754	UG/L	none

Table I-3.0-15 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	Nitrobenzene	0.054	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	Nitrotoluene[2-]	0.095	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	Nitrotoluene[3-]	0.104	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	Nitrotoluene[4-]	0.096	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	RDX	5.4	UG/L	none
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	Tetryl	0.055	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	Trinitrobenzene[1,3,5-]	0.048	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	Trinitrotoluene[2,4,6-]	0.051	UG/L	none
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	Amino-2,6-dinitrotoluene[4-]	0.559	UG/L	none
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	Amino-4,6-dinitrotoluene[2-]	0.196	UG/L	none
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	Dinitrobenzene[1,3-]	0.048	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	Dinitrotoluene[2,4-]	0.036	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	Dinitrotoluene[2,6-]	0.048	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	HMX	0.825	UG/L	none
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	Nitrobenzene	0.054	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	Nitrotoluene[2-]	0.095	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	Nitrotoluene[3-]	0.104	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	Nitrotoluene[4-]	0.096	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	RDX	4.64	UG/L	none
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	Tetryl	0.055	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	Trinitrobenzene[1,3,5-]	0.048	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	Trinitrotoluene[2,4,6-]	0.05	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	Amino-2,6-dinitrotoluene[4-]	0.25	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	Amino-4,6-dinitrotoluene[2-]	0.25	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	Dinitrobenzene[1,3-]	0.25	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	Dinitrotoluene[2,4-]	0.25	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	Dinitrotoluene[2,6-]	0.25	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	HMX	1	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	Nitrobenzene	1	UG/L	U

Table I-3.0-15 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	Nitrotoluene[2-]	1	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	Nitrotoluene[3-]	1	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	Nitrotoluene[4-]	1	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	RDX	0.84	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	Tetryl	1	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	Trinitrobenzene[1,3,5-]	0.26	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	Trinitrotoluene[2,4,6-]	0.25	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	Amino-2,6-dinitrotoluene[4-]	0.25	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	Amino-4,6-dinitrotoluene[2-]	0.25	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	Dinitrobenzene[1,3-]	0.25	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	Dinitrotoluene[2,4-]	0.25	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	Dinitrotoluene[2,6-]	0.25	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	HMX	1	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	Nitrobenzene	1	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	Nitrotoluene[2-]	1	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	Nitrotoluene[3-]	1	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	Nitrotoluene[4-]	1	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	RDX	0.84	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	Tetryl	1	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	Trinitrobenzene[1,3,5-]	0.26	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	Trinitrotoluene[2,4,6-]	0.25	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	Amino-2,6-dinitrotoluene[4-]	0.75	UG/L	none
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	Amino-4,6-dinitrotoluene[2-]	0.28	UG/L	none
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	Dinitrobenzene[1,3-]	0.25	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	Dinitrotoluene[2,4-]	0.25	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	Dinitrotoluene[2,6-]	0.25	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	HMX	1.8	UG/L	none
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	Nitrobenzene	1	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	Nitrotoluene[2-]	1	UG/L	U

Table I-3.0-15 (concluded)

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	Nitrotoluene[3-]	1	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	Nitrotoluene[4-]	1	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	RDX	9.8	UG/L	none
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	Tetryl	1	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	Trinitrobenzene[1,3,5-]	0.26	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	Trinitrotoluene[2,4,6-]	0.9	UG/L	none
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	Amino-2,6-dinitrotoluene[4-]	0.75	UG/L	none
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	Amino-4,6-dinitrotoluene[2-]	0.3	UG/L	none
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	Dinitrobenzene[1,3-]	0.25	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	Dinitrotoluene[2,4-]	0.25	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	Dinitrotoluene[2,6-]	0.25	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	HMX	1.8	UG/L	none
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	Nitrobenzene	1	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	Nitrotoluene[2-]	1	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	Nitrotoluene[3-]	1	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	Nitrotoluene[4-]	1	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	RDX	9.5	UG/L	none
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	Tetryl	1	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	Trinitrobenzene[1,3,5-]	0.26	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	Trinitrotoluene[2,4,6-]	1.3	UG/L	none

Table I-3.0-16

Volatile and Semivolatile Chemicals in Alluvial Water Samples

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Acenaphthene	10	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Acenaphthylene	10	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	VOAGCMS	Acetone	41	UG/L	none
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Aniline	20	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Anthracene	10	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Azobenzene	20	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	VOAGCMS	Benzene	5	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Benzo(a)anthracene	10	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Benzo(a)pyrene	10	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Benzo(b)fluoranthene	10	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Benzo(g,h,i)perylene	10	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Benzo(k)fluoranthene	10	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Benzoic Acid	50	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Benzyl Alcohol	20	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Bis(2-chloroethoxy)methane	10	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Bis(2-chloroethyl)ether	10	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Bis(2-ethylhexyl)phthalate	10	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	VOAGCMS	Bromobenzene	5	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	VOAGCMS	Bromochloromethane	5	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	VOAGCMS	BromoDichloro-methane	5	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	VOAGCMS	Bromoform	5	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	VOAGCMS	Bromomethane	10	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Bromophenyl-phenylether[4-]	10	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	VOAGCMS	Butanone[2-]	20	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	VOAGCMS	Butylbenzene[n-]	5	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	VOAGCMS	Butylbenzene[sec-]	5	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	VOAGCMS	Butylbenzene[tert-]	5	UG/L	U

16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Butylbenzylphthalate	10	UG/L	U

Table I-3.0-16 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	VOAGCMS	Carbon Disulfide	5	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	VOAGCMS	Carbon Tetrachloride	5	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Chloro-3-methylphenol[4-]	20	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Chloroaniline[4-]	20	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	VOAGCMS	Chlorobenzene	5	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	VOAGCMS	Chlorodibromomethane	5	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	VOAGCMS	Chloroethane	10	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	VOAGCMS	Chloroform	5	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	VOAGCMS	Chloromethane	10	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Chloronaphthalene[2-]	10	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Chlorophenol[2-]	10	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Chlorophenyl-phenyl[4-] Ether	10	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	VOAGCMS	Chlorotoluene[2-]	5	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	VOAGCMS	Chlorotoluene[4-]	5	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Chrysene	10	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Dibenz(a,h)anthracene	10	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Dibenzofuran	10	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	VOAGCMS	Dibromo-3-chloropropane[1,2-]	10	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	VOAGCMS	Dibromoethane[1,2-]	5	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	VOAGCMS	Dibromomethane	5	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	VOAGCMS	Dichloro-benzene[1,2-]	5	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Dichloro-benzene[1,2-]	10	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	VOAGCMS	Dichloro-benzene[1,3-]	5	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Dichloro-benzene[1,3-]	10	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	VOAGCMS	Dichloro-benzene[1,4-]	5	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Dichloro-benzene[1,4-]	10	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Dichlorobenzidine[3,3'-]	20	UG/L	U

Table I-3.0-16 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	VOAGCMS	Dichloro-difluoromethane	10	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	VOAGCMS	Dichloro-ethane[1,1-]	5	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	VOAGCMS	Dichloro-ethane[1,2-]	5	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	VOAGCMS	Dichloroethene[1,1-]	5	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	VOAGCMS	Dichloroethene[cis-1,2-]	10	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	VOAGCMS	Dichloroethene[trans-1,2-]	10	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Dichloro-phenol[2,4-]	10	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	VOAGCMS	Dichloro-propane[1,2-]	5	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	VOAGCMS	Dichloro-propane[1,3-]	5	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	VOAGCMS	Dichloro-propane[2,2-]	5	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	VOAGCMS	Dichloro-propene[1,1-]	5	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	VOAGCMS	Dichloro-propene[cis-1,3-]	5	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	VOAGCMS	Dichloro-propene[trans-1,3-]	5	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Diethylphthalate	10	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Dimethyl Phthalate	10	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Dimethylphenol[2,4-]	10	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Di-n-butylphthalate	10	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Dinitro-2-methylphenol[4,6-]	50	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Dinitrophenol[2,4-]	50	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Dinitrotoluene[2,4-]	10	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Dinitrotoluene[2,6-]	10	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Di-n-octylphthalate	10	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	VOAGCMS	Ethylbenzene	5	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Fluoranthene	10	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Fluorene	10	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Hexachloro-benzene	10	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Hexachloro-butadiene	10	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Hexachloro-cyclopentadiene	10	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Hexachloro-ethane	10	UG/L	U

Table I-3.0-16 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	VOAGCMS	Hexanone[2-]	20	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Indeno(1,2,3-cd)pyrene	10	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	VOAGCMS	Iodomethane	5	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Isophorone	10	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	VOAGCMS	Isopropylbenzene	5	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	VOAGCMS	Isopropyltoluene[4-]	5	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	VOAGCMS	Methyl-2-pentanone[4-]	20	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	VOAGCMS	Methylene Chloride	5	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Methylnaphthalene[2-]	10	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Methylphenol[2-]	10	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Methylphenol[4-]	10	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Naphthalene	10	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Nitroaniline[2-]	50	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Nitroaniline[3-]	50	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Nitroaniline[4-]	20	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Nitrobenzene	10	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Nitrophenol[2-]	10	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Nitrophenol[4-]	50	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Nitrosodi-methylamine[N-]	10	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Nitroso-di-n-propylamine[N-]	10	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Nitrosodi-phenylamine[N-]	10	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Oxybis(1-chloropropane)[2,2'-]	10	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Pentachlorophenol	50	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Phenanthrene	10	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Phenol	10	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	VOAGCMS	Propylbenzene[1-]	5	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Pyrene	10	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	VOAGCMS	Styrene	5	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	VOAGCMS	Tetrachloro-ethane[1,1,1,2-]	5	UG/L	U

Table I-3.0-16 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	VOAGCMS	Tetrachloro-ethane[1,1,2,2-]	5	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	VOAGCMS	Tetrachloro-ethene	5	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	VOAGCMS	Toluene	5	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	VOAGCMS	Trichloro-1,2,2-trifluoroethane[1,1,2-]	5	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Trichloro benzene[1,2,4-]	10	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	VOAGCMS	Trichloroethane[1,1,1-]	5	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	VOAGCMS	Trichloroethane[1,1,2-]	5	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	VOAGCMS	Trichloro-ethene	5	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	VOAGCMS	Trichloro-fluoromethane	5	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Trichloro-phenol[2,4,5-]	50	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	SEMI	Trichloro-phenol[2,4,6-]	10	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	VOAGCMS	Trichloropropane[1,2,3-]	5	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	VOAGCMS	Trimethyl-benzene[1,2,4-]	5	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	VOAGCMS	Trimethyl-benzene[1,3,5-]	5	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	VOAGCMS	Vinyl Chloride	10	UG/L	U
16-021(c)	16-2655	0316-97-0476	19-Dec-97	WGA	Filtered	VOAGCMS	Xylene (Total)	5	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Acenaphthene	10	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Acenaphthylene	10	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	VOAGCMS	Acetone	20	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Aniline	20	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Anthracene	10	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Azobenzene	20	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	VOAGCMS	Benzene	5	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Benzo(a)anthracene	10	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Benzo(a)pyrene	10	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Benzo(b)fluoranthene	10	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Benzo(g,h,i)perylene	10	UG/L	U

Table I-3.0-16 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Benzo(k)fluoranthene	10	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Benzoic Acid	50	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Benzyl Alcohol	20	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Bis(2-chloroethoxy)methane	10	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Bis(2-chloroethyl)ether	10	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Bis(2-ethylhexyl)phthalate	10	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	VOAGCMS	Bromobenzene	5	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	VOAGCMS	Bromochloromethane	5	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	VOAGCMS	BromoDichloro-methane	5	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	VOAGCMS	Bromoform	5	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	VOAGCMS	Bromomethane	10	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Bromophenyl-phenylether[4-]	10	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	VOAGCMS	Butanone[2-]	20	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	VOAGCMS	Butylbenzene[n-]	5	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	VOAGCMS	Butylbenzene[sec-]	5	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	VOAGCMS	Butylbenzene[tert-]	5	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Butylbenzylphthalate	10	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	VOAGCMS	Carbon Disulfide	5	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	VOAGCMS	Carbon Tetrachloride	5	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Chloro-3-methylphenol[4-]	20	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Chloroaniline[4-]	20	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	VOAGCMS	Chlorobenzene	5	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	VOAGCMS	Chlorodibromomethane	5	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	VOAGCMS	Chloroethane	10	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	VOAGCMS	Chloroform	5	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	VOAGCMS	Chloromethane	10	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Chloronaphthalene[2-]	10	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Chlorophenol[2-]	10	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Chlorophenyl-phenyl[4-] Ether	10	UG/L	U

Table I-3.0-16 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	VOAGCMS	Chlorotoluene[2-]	5	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	VOAGCMS	Chlorotoluene[4-]	5	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Chrysene	10	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Dibenz(a,h)anthracene	10	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Dibenzofuran	10	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	VOAGCMS	Dibromo-3-chloropropane[1,2-]	10	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	VOAGCMS	Dibromoethane[1,2-]	5	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	VOAGCMS	Dibromomethane	5	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	VOAGCMS	Dichloro-benzene[1,2-]	5	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Dichloro-benzene[1,2-]	10	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	VOAGCMS	Dichloro-benzene[1,3-]	5	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Dichloro-benzene[1,3-]	10	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	VOAGCMS	Dichloro-benzene[1,4-]	5	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Dichloro-benzene[1,4-]	10	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Dichlorobenzidine[3,3'-]	20	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	VOAGCMS	Dichloro-difluoromethane	10	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	VOAGCMS	Dichloro-ethane[1,1-]	5	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	VOAGCMS	Dichloro-ethane[1,2-]	5	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	VOAGCMS	Dichloroethene[1,1-]	5	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	VOAGCMS	Dichloroethene[cis-1,2-]	10	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	VOAGCMS	Dichloroethene [trans-1,2-]	10	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Dichloro-phenol[2,4-]	10	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	VOAGCMS	Dichloro-propane[1,2-]	5	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	VOAGCMS	Dichloro-propane[1,3-]	5	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	VOAGCMS	Dichloro-propane[2,2-]	5	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	VOAGCMS	Dichloro-propene[1,1-]	5	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	VOAGCMS	Dichloro-propene[cis-1,3-]	5	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	VOAGCMS	Dichloro-propene[trans-1,3-]	5	UG/L	U

Table I-3.0-16 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Diethylphthalate	10	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Dimethyl Phthalate	10	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Dimethylphenol[2,4-]	10	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Di-n-butylphthalate	10	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Dinitro-2-methylphenol[4,6-]	50	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Dinitrophenol[2,4-]	50	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Dinitrotoluene[2,4-]	10	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Dinitrotoluene[2,6-]	10	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Di-n-octylphthalate	10	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	VOAGCMS	Ethylbenzene	5	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Fluoranthene	10	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Fluorene	10	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Hexachloro-benzene	10	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Hexachloro-butadiene	10	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Hexachloro-cyclopentadiene	10	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Hexachloro-ethane	10	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	VOAGCMS	Hexanone[2-]	20	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Indeno(1,2,3-cd)pyrene	10	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	VOAGCMS	Iodomethane	5	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Isophorone	10	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	VOAGCMS	Isopropylbenzene	5	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	VOAGCMS	Isopropyltoluene[4-]	5	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	VOAGCMS	Methyl-2-pentanone[4-]	20	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	VOAGCMS	Methylene Chloride	5	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Methylnaphthalene[2-]	10	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Methylphenol[2-]	10	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Methylphenol[4-]	10	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Naphthalene	10	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Nitroaniline[2-]	50	UG/L	U

Table I-3.0-16 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Nitroaniline[3-]	50	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Nitroaniline[4-]	20	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Nitrobenzene	10	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Nitrophenol[2-]	10	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Nitrophenol[4-]	50	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Nitrosodi-methylamine[N-]	10	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Nitroso-di-n-propylamine[N-]	10	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Nitrosodi-phenylamine[N-]	10	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Oxybis(1-chloropropane)[2,2'-]	10	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Pentachlorophenol	50	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Phenanthrene	10	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Phenol	10	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	VOAGCMS	Propylbenzene[1-]	5	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Pyrene	10	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	VOAGCMS	Styrene	5	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	VOAGCMS	Tetrachloro-ethane[1,1,1,2-]	5	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	VOAGCMS	Tetrachloro-ethane[1,1,2,2-]	5	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	VOAGCMS	Tetrachloro-ethene	5	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	VOAGCMS	Toluene	5	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	VOAGCMS	Trichloro-1,2,2-trifluoroethane[1,1,2-]	5	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Trichloro benzene[1,2,4-]	10	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	VOAGCMS	Trichloroethane[1,1,1-]	5	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	VOAGCMS	Trichloroethane[1,1,2-]	5	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	VOAGCMS	Trichloro-ethene	5	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	VOAGCMS	Trichloro-fluoromethane	5	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Trichloro-phenol[2,4,5-]	50	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	SEMI	Trichloro-phenol[2,4,6-]	10	UG/L	U

Table I-3.0-16 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	VOAGCMS	Trichloropropane[1,2,3-]	5	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	VOAGCMS	Trimethyl--benzene[1,2,4-]	5	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	VOAGCMS	Trimethyl--benzene[1,3,5-]	5	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	VOAGCMS	Vinyl Chloride	10	UG/L	U
16-021(c)	16-2656	0316-97-0477	19-Dec-97	WGA	Filtered	VOAGCMS	Xylene (Total)	5	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Acenaphthene	10	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Acenaphthylene	10	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	VOAGCMS	Acetone	20	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Aniline	20	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Anthracene	10	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Azobenzene	20	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	VOAGCMS	Benzene	5	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Benzo(a)anthracene	10	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Benzo(a)pyrene	10	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Benzo(b)fluoranthene	10	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Benzo(g,h,i)perylene	10	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Benzo(k)fluoranthene	10	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Benzoic Acid	50	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Benzyl Alcohol	20	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Bis(2-chloroethoxy)methane	10	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Bis(2-chloroethyl)ether	10	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Bis(2-ethylhexyl)phthalate	10	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	VOAGCMS	Bromobenzene	5	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	VOAGCMS	Bromochloromethane	5	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	VOAGCMS	BromoDichloro-methane	5	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	VOAGCMS	Bromoform	5	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	VOAGCMS	Bromomethane	10	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Bromophenyl-phenylether[4-]	10	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	VOAGCMS	Butanone[2-]	20	UG/L	U

Table I-3.0-16 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	VOAGCMS	Butylbenzene[n-]	5	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	VOAGCMS	Butylbenzene[sec-]	5	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	VOAGCMS	Butylbenzene[tert-]	5	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Butylbenzylphthalate	10	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	VOAGCMS	Carbon Disulfide	5	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	VOAGCMS	Carbon Tetrachloride	5	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Chloro-3-methylphenol[4-]	20	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Chloroaniline[4-]	20	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	VOAGCMS	Chlorobenzene	5	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	VOAGCMS	Chlorodibromomethane	5	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	VOAGCMS	Chloroethane	10	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	VOAGCMS	Chloroform	5	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	VOAGCMS	Chloromethane	10	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Chloronaphthalene[2-]	10	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Chlorophenol[2-]	10	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Chlorophenyl-phenyl[4-] Ether	10	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	VOAGCMS	Chlorotoluene[2-]	5	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	VOAGCMS	Chlorotoluene[4-]	5	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Chrysene	10	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Dibenz(a,h)anthracene	10	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Dibenzofuran	10	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	VOAGCMS	Dibromo-3-chloropropane[1,2-]	10	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	VOAGCMS	Dibromoethane[1,2-]	5	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	VOAGCMS	Dibromomethane	5	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	VOAGCMS	Dichloro-benzene[1,2-]	5	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Dichloro-benzene[1,2-]	10	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	VOAGCMS	Dichloro-benzene[1,3-]	5	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Dichloro-benzene[1,3-]	10	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	VOAGCMS	Dichloro-benzene[1,4-]	5	UG/L	U

Table I-3.0-16 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Dichloro-benzene[1,4-]	10	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Dichlorobenzidine[3,3'-]	20	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	VOAGCMS	Dichloro-difluoromethane	10	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	VOAGCMS	Dichloro-ethane[1,1-]	5	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	VOAGCMS	Dichloro-ethane[1,2-]	5	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	VOAGCMS	Dichloroethene[1,1-]	5	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	VOAGCMS	Dichloroethene[cis-1,2-]	10	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	VOAGCMS	Dichloroethene[trans-1,2-]	10	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Dichloro-phenol[2,4-]	10	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	VOAGCMS	Dichloro-propane[1,2-]	5	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	VOAGCMS	Dichloro-propane[1,3-]	5	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	VOAGCMS	Dichloro-propane[2,2-]	5	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	VOAGCMS	Dichloro-propene[1,1-]	5	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	VOAGCMS	Dichloro-propene[cis-1,3-]	5	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	VOAGCMS	Dichloro-propene[trans-1,3-]	5	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Diethylphthalate	10	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Dimethyl Phthalate	10	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Dimethylphenol[2,4-]	10	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Di-n-butylphthalate	10	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Dinitro-2-methylphenol[4,6-]	50	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Dinitrophenol[2,4-]	50	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Dinitrotoluene[2,4-]	10	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Dinitrotoluene[2,6-]	10	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Di-n-octylphthalate	10	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	VOAGCMS	Ethylbenzene	5	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Fluoranthene	10	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Fluorene	10	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Hexachloro-benzene	10	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Hexachloro-butadiene	10	UG/L	U

Table I-3.0-16 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Hexachloro-cyclopentadiene	10	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Hexachloro-ethane	10	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	VOAGCMS	Hexanone[2-]	20	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Indeno(1,2,3-cd)pyrene	10	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	VOAGCMS	Iodomethane	5	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Isophorone	10	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	VOAGCMS	Isopropylbenzene	5	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	VOAGCMS	Isopropyltoluene[4-]	5	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	VOAGCMS	Methyl-2-pentanone[4-]	20	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	VOAGCMS	Methylene Chloride	5	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Methylnaphthalene[2-]	10	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Methylphenol[2-]	10	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Methylphenol[4-]	10	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Naphthalene	10	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Nitroaniline[2-]	50	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Nitroaniline[3-]	50	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Nitroaniline[4-]	20	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Nitrobenzene	10	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Nitrophenol[2-]	10	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Nitrophenol[4-]	50	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Nitrosodi-methylamine[N-]	10	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Nitroso-di-n-propylamine[N-]	10	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Nitrosodi-phenylamine[N-]	10	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Oxybis(1-chloropropane)[2,2'-]	10	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Pentachlorophenol	50	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Phenanthrene	10	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Phenol	10	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	VOAGCMS	Propylbenzene[1-]	5	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Pyrene	10	UG/L	U

Table I-3.0-16 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	VOAGCMS	Styrene	5	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	VOAGCMS	Tetrachloro-ethane[1,1,1,2-]	5	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	VOAGCMS	Tetrachloro-ethane[1,1,2,2-]	5	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	VOAGCMS	Tetrachloro-ethene	5	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	VOAGCMS	Toluene	5	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	VOAGCMS	Trichloro-1,2,2-trifluoroethane[1,1,2-]	5	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Trichloro benzene[1,2,4-]	10	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	VOAGCMS	Trichloroethane[1,1,1-]	5	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	VOAGCMS	Trichloroethane[1,1,2-]	5	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	VOAGCMS	Trichloro-ethene	5	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	VOAGCMS	Trichloro-fluoromethane	5	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Trichloro-phenol[2,4,5-]	50	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	SEMI	Trichloro-phenol[2,4,6-]	10	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	VOAGCMS	Trichloropropane[1,2,3-]	5	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	VOAGCMS	Trimethyl--benzene[1,2,4-]	5	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	VOAGCMS	Trimethyl--benzene[1,3,5-]	5	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	VOAGCMS	Vinyl Chloride	10	UG/L	U
16-021(c)	16-2658	0316-97-0479	22-Dec-97	WGA	Filtered	VOAGCMS	Xylene (Total)	5	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Acenaphthene	10	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Acenaphthylene	10	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	VOAGCMS	Acetone	28	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Aniline	20	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Anthracene	10	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Azobenzene	20	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	VOAGCMS	Benzene	5	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Benzo(a)anthracene	10	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Benzo(a)pyrene	10	UG/L	U

Table I-3.0-16 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Benzo(b)fluoranthene	10	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Benzo(g,h,i)perylene	10	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Benzo(k)fluoranthene	10	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Benzoic Acid	50	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Benzyl Alcohol	20	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Bis(2-chloroethoxy)methane	10	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Bis(2-chloroethyl)ether	10	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Bis(2-ethylhexyl)phthalate	10	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	VOAGCMS	Bromobenzene	5	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	VOAGCMS	Bromochloromethane	5	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	VOAGCMS	BromoDichloro-methane	5	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	VOAGCMS	Bromoform	5	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	VOAGCMS	Bromomethane	10	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Bromophenyl-phenylether[4-]	10	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	VOAGCMS	Butanone[2-]	20	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	VOAGCMS	Butylbenzene[n-]	5	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	VOAGCMS	Butylbenzene[sec-]	5	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	VOAGCMS	Butylbenzene[tert-]	5	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Butylbenzylphthalate	10	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	VOAGCMS	Carbon Disulfide	5	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	VOAGCMS	Carbon Tetrachloride	5	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Chloro-3-methylphenol[4-]	20	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Chloroaniline[4-]	20	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	VOAGCMS	Chlorobenzene	5	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	VOAGCMS	Chlorodibromomethane	5	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	VOAGCMS	Chloroethane	10	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	VOAGCMS	Chloroform	5	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	VOAGCMS	Chloromethane	10	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Chloronaphthalene[2-]	10	UG/L	U

Table I-3.0-16 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Chlorophenol[2-]	10	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Chlorophenyl-phenyl[4-] Ether	10	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	VOAGCMS	Chlorotoluene[2-]	5	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	VOAGCMS	Chlorotoluene[4-]	5	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Chrysene	10	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Dibenz(a,h)anthracene	10	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Dibenzofuran	10	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	VOAGCMS	Dibromo-3-chloropropane[1,2-]	10	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	VOAGCMS	Dibromoethane[1,2-]	5	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	VOAGCMS	Dibromomethane	5	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	VOAGCMS	Dichloro-benzene[1,2-]	5	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Dichloro-benzene[1,2-]	10	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	VOAGCMS	Dichloro-benzene[1,3-]	5	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Dichloro-benzene[1,3-]	10	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	VOAGCMS	Dichloro-benzene[1,4-]	5	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Dichloro-benzene[1,4-]	10	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Dichlorobenzidine[3,3'-]	20	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	VOAGCMS	Dichloro-difluoromethane	10	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	VOAGCMS	Dichloro-ethane[1,1-]	5	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	VOAGCMS	Dichloro-ethane[1,2-]	5	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	VOAGCMS	Dichloroethene[1,1-]	5	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	VOAGCMS	Dichloroethene[cis-1,2-]	10	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	VOAGCMS	Dichloroethene[trans-1,2-]	10	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Dichloro-phenol[2,4-]	10	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	VOAGCMS	Dichloro-propane[1,2-]	5	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	VOAGCMS	Dichloro-propane[1,3-]	5	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	VOAGCMS	Dichloro-propane[2,2-]	5	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	VOAGCMS	Dichloro-propene[1,1-]	5	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	VOAGCMS	Dichloro-propene[cis-1,3-]	5	UG/L	U

Table I-3.0-16 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	VOAGCMS	Dichloro-propene[trans-1,3-]	5	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Diethylphthalate	10	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Dimethyl Phthalate	10	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Dimethylphenol[2,4-]	10	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Di-n-butylphthalate	10	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Dinitro-2-methylphenol[4,6-]	50	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Dinitrophenol[2,4-]	50	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Dinitrotoluene[2,4-]	10	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Dinitrotoluene[2,6-]	10	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Di-n-octylphthalate	10	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	VOAGCMS	Ethylbenzene	5	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Fluoranthene	10	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Fluorene	10	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Hexachloro-benzene	10	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Hexachloro-butadiene	10	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Hexachloro-cyclopentadiene	10	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Hexachloro-ethane	10	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	VOAGCMS	Hexanone[2-]	20	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Indeno(1,2,3-cd)pyrene	10	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	VOAGCMS	Iodomethane	5	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Isophorone	10	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	VOAGCMS	Isopropylbenzene	5	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	VOAGCMS	Isopropyltoluene[4-]	5	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	VOAGCMS	Methyl-2-pentanone[4-]	20	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	VOAGCMS	Methylene Chloride	5	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Methylnaphthalene[2-]	10	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Methylphenol[2-]	10	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Methylphenol[4-]	10	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Naphthalene	10	UG/L	U

Table I-3.0-16 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Nitroaniline[2-]	50	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Nitroaniline[3-]	50	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Nitroaniline[4-]	20	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Nitrobenzene	10	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Nitrophenol[2-]	10	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Nitrophenol[4-]	50	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Nitrosodi-methylamine[N-]	10	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Nitroso-di-n-propylamine[N-]	10	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Nitrosodi-phenylamine[N-]	10	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Oxybis(1-chloropropane)[2,2'-]	10	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Pentachlorophenol	50	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Phenanthrene	10	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Phenol	10	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	VOAGCMS	Propylbenzene[1-]	5	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Pyrene	10	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	VOAGCMS	Styrene	5	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	VOAGCMS	Tetrachloro-ethane[1,1,1,2-]	5	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	VOAGCMS	Tetrachloro-ethane[1,1,2,2-]	5	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	VOAGCMS	Tetrachloro-ethene	5	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	VOAGCMS	Toluene	5	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	VOAGCMS	Trichloro-1,2,2-trifluoroethane[1,1,2-]	5	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Trichloro benzene[1,2,4-]	10	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	VOAGCMS	Trichloroethane[1,1,1-]	5	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	VOAGCMS	Trichloroethane[1,1,2-]	5	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	VOAGCMS	Trichloro-ethene	5	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	VOAGCMS	Trichloro-fluoromethane	5	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Trichloro-phenol[2,4,5-]	50	UG/L	U

Table I-3.0-16 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	SEMI	Trichloro-phenol[2,4,6-]	10	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	VOAGCMS	Trichloropropane[1,2,3-]	5	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	VOAGCMS	Trimethyl--benzene[1,2,4-]	5	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	VOAGCMS	Trimethyl--benzene[1,3,5-]	5	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	VOAGCMS	Vinyl Chloride	10	UG/L	U
16-021(c)	16-2659	0316-97-0480	22-Dec-97	WGA	Filtered	VOAGCMS	Xylene (Total)	5	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Acenaphthene	10	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Acenaphthylene	10	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	VOAGCMS	Acetone	20	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Aniline	20	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Anthracene	10	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Azobenzene	20	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	VOAGCMS	Benzene	5	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Benzo(a)anthracene	10	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Benzo(a)pyrene	10	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Benzo(b)fluoranthene	10	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Benzo(g,h,i)perylene	10	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Benzo(k)fluoranthene	10	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Benzoic Acid	50	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Benzyl Alcohol	20	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Bis(2-chloroethoxy)methane	10	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Bis(2-chloroethyl)ether	10	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Bis(2-ethylhexyl)phthalate	10	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	VOAGCMS	Bromobenzene	5	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	VOAGCMS	Bromochloromethane	5	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	VOAGCMS	BromoDichloro-methane	5	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	VOAGCMS	Bromoform	5	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	VOAGCMS	Bromomethane	10	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Bromophenyl-phenylether[4-]	10	UG/L	U

Table I-3.0-16 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	VOAGCMS	Butanone[2-]	20	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	VOAGCMS	Butylbenzene[n-]	5	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	VOAGCMS	Butylbenzene[sec-]	5	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	VOAGCMS	Butylbenzene[tert-]	5	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Butylbenzylphthalate	10	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	VOAGCMS	Carbon Disulfide	5	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	VOAGCMS	Carbon Tetrachloride	5	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Chloro-3-methylphenol[4-]	20	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Chloroaniline[4-]	20	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	VOAGCMS	Chlorobenzene	5	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	VOAGCMS	Chlorodibromomethane	5	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	VOAGCMS	Chloroethane	10	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	VOAGCMS	Chloroform	5	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	VOAGCMS	Chloromethane	10	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Chloronaphthalene[2-]	10	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Chlorophenol[2-]	10	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Chlorophenyl-phenyl[4-] Ether	10	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	VOAGCMS	Chlorotoluene[2-]	5	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	VOAGCMS	Chlorotoluene[4-]	5	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Chrysene	10	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Dibenz(a,h)anthracene	10	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Dibenzofuran	10	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	VOAGCMS	Dibromo-3-chloropropane[1,2-]	10	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	VOAGCMS	Dibromoethane[1,2-]	5	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	VOAGCMS	Dibromomethane	5	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	VOAGCMS	Dichloro-benzene[1,2-]	5	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Dichloro-benzene[1,2-]	10	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	VOAGCMS	Dichloro-benzene[1,3-]	5	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Dichloro-benzene[1,3-]	10	UG/L	U

Table I-3.0-16 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	VOAGCMS	Dichloro-benzene[1,4-]	5	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Dichloro-benzene[1,4-]	10	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Dichlorobenzidine[3,3'-]	20	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	VOAGCMS	Dichloro-difluoromethane	10	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	VOAGCMS	Dichloro-ethane[1,1-]	5	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	VOAGCMS	Dichloro-ethane[1,2-]	5	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	VOAGCMS	Dichloroethene[1,1-]	5	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	VOAGCMS	Dichloroethene[cis-1,2-]	10	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	VOAGCMS	Dichloroethene[trans-1,2-]	10	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Dichloro-phenol[2,4-]	10	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	VOAGCMS	Dichloro-propane[1,2-]	5	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	VOAGCMS	Dichloro-propane[1,3-]	5	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	VOAGCMS	Dichloro-propane[2,2-]	5	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	VOAGCMS	Dichloro-propene[1,1-]	5	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	VOAGCMS	Dichloro-propene[cis-1,3-]	5	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	VOAGCMS	Dichloro-propene[trans-1,3-]	5	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Diethylphthalate	10	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Dimethyl Phthalate	10	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Dimethylphenol[2,4-]	10	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Di-n-butylphthalate	10	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Dinitro-2-methylphenol[4,6-]	50	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Dinitrophenol[2,4-]	50	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Dinitrotoluene[2,4-]	10	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Dinitrotoluene[2,6-]	10	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Di-n-octylphthalate	10	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	VOAGCMS	Ethylbenzene	5	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Fluoranthene	10	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Fluorene	10	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Hexachloro-benzene	10	UG/L	U

Table I-3.0-16 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Hexachloro-butadiene	10	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Hexachloro-cyclopentadiene	10	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Hexachloro-ethane	10	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	VOAGCMS	Hexanone[2-]	20	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Indeno(1,2,3-cd)pyrene	10	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	VOAGCMS	Iodomethane	5	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Isophorone	10	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	VOAGCMS	Isopropylbenzene	5	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	VOAGCMS	Isopropyltoluene[4-]	5	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	VOAGCMS	Methyl-2-pentanone[4-]	20	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	VOAGCMS	Methylene Chloride	5	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Methylnaphthalene[2-]	10	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Methylphenol[2-]	10	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Methylphenol[4-]	10	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Naphthalene	10	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Nitroaniline[2-]	50	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Nitroaniline[3-]	50	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Nitroaniline[4-]	20	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Nitrobenzene	10	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Nitrophenol[2-]	10	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Nitrophenol[4-]	50	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Nitrosodi-methylamine[N-]	10	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Nitroso-di-n-propylamine[N-]	10	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Nitrosodi-phenylamine[N-]	10	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Oxybis(1-chloropropane)[2,2'-]	10	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Pentachlorophenol	50	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Phenanthrene	10	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Phenol	10	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	VOAGCMS	Propylbenzene[1-]	5	UG/L	U

Table I-3.0-16 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Pyrene	10	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	VOAGCMS	Styrene	5	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	VOAGCMS	Tetrachloro-ethane[1,1,1,2-]	5	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	VOAGCMS	Tetrachloro-ethane[1,1,2,2-]	5	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	VOAGCMS	Tetrachloro-ethene	5	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	VOAGCMS	Toluene	5	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	VOAGCMS	Trichloro-1,2,2-trifluoroethane[1,1,2-]	5	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Trichloro benzene[1,2,4-]	10	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	VOAGCMS	Trichloroethane[1,1,1-]	5	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	VOAGCMS	Trichloroethane[1,1,2-]	5	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	VOAGCMS	Trichloro-ethene	5	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	VOAGCMS	Trichloro-fluoromethane	5	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Trichloro-phenol[2,4,5-]	50	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	SEMI	Trichloro-phenol[2,4,6-]	10	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	VOAGCMS	Trichloropropane[1,2,3-]	5	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	VOAGCMS	Trimethyl--benzene[1,2,4-]	5	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	VOAGCMS	Trimethyl--benzene[1,3,5-]	5	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	VOAGCMS	Vinyl Chloride	10	UG/L	U
16-021(c)	16-2655	0316-97-0482	22-Dec-97	WGA	Unfiltered	VOAGCMS	Xylene (Total)	5	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Acenaphthene	10	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Acenaphthylene	10	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	VOAGCMS	Acetone	20	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Aniline	20	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Anthracene	10	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Azobenzene	20	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	VOAGCMS	Benzene	5	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Benzo(a)anthracene	10	UG/L	U

Table I-3.0-16 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Benzo(a)pyrene	10	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Benzo(b)fluoranthene	10	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Benzo(g,h,i)perylene	10	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Benzo(k)fluoranthene	10	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Benzoic Acid	50	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Benzyl Alcohol	20	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Bis(2-chloroethoxy)methane	10	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Bis(2-chloroethyl)ether	10	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Bis(2-ethylhexyl)phthalate	10	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	VOAGCMS	Bromobenzene	5	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	VOAGCMS	Bromochloromethane	5	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	VOAGCMS	BromoDichloro-methane	5	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	VOAGCMS	Bromoform	5	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	VOAGCMS	Bromomethane	10	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Bromophenyl-phenylether[4-]	10	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	VOAGCMS	Butanone[2-]	20	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	VOAGCMS	Butylbenzene[n-]	5	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	VOAGCMS	Butylbenzene[sec-]	5	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	VOAGCMS	Butylbenzene[tert-]	5	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Butylbenzylphthalate	10	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	VOAGCMS	Carbon Disulfide	5	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	VOAGCMS	Carbon Tetrachloride	5	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Chloro-3-methylphenol[4-]	20	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Chloroaniline[4-]	20	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	VOAGCMS	Chlorobenzene	5	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	VOAGCMS	Chlorodibromomethane	5	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	VOAGCMS	Chloroethane	10	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	VOAGCMS	Chloroform	5	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	VOAGCMS	Chloromethane	10	UG/L	U

Table I-3.0-16 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Chloronaphthalene[2-]	10	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Chlorophenol[2-]	10	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Chlorophenyl-phenyl[4-] Ether	10	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	VOAGCMS	Chlorotoluene[2-]	5	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	VOAGCMS	Chlorotoluene[4-]	5	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Chrysene	10	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Dibenz(a,h)anthracene	10	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Dibenzofuran	10	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	VOAGCMS	Dibromo-3-chloropropane[1,2-]	10	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	VOAGCMS	Dibromoethane[1,2-]	5	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	VOAGCMS	Dibromomethane	5	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	VOAGCMS	Dichloro-benzene[1,2-]	5	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Dichloro-benzene[1,2-]	10	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	VOAGCMS	Dichloro-benzene[1,3-]	5	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Dichloro-benzene[1,3-]	10	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	VOAGCMS	Dichloro-benzene[1,4-]	5	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Dichloro-benzene[1,4-]	10	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Dichlorobenzidine[3,3'-]	20	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	VOAGCMS	Dichloro-difluoromethane	10	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	VOAGCMS	Dichloro-ethane[1,1-]	5	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	VOAGCMS	Dichloro-ethane[1,2-]	5	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	VOAGCMS	Dichloroethene[1,1-]	5	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	VOAGCMS	Dichloroethene[cis-1,2-]	10	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	VOAGCMS	Dichloroethene[trans-1,2-]	10	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Dichloro-phenol[2,4-]	10	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	VOAGCMS	Dichloro-propane[1,2-]	5	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	VOAGCMS	Dichloro-propane[1,3-]	5	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	VOAGCMS	Dichloro-propane[2,2-]	5	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	VOAGCMS	Dichloro-propene[1,1-]	5	UG/L	U

Table I-3.0-16 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	VOAGCMS	Dichloro-propene[cis-1,3-]	5	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	VOAGCMS	Dichloro-propene[trans-1,3-]	5	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Diethylphthalate	10	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Dimethyl Phthalate	10	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Dimethylphenol[2,4-]	10	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Di-n-butylphthalate	10	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Dinitro-2-methylphenol[4,6-]	50	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Dinitrophenol[2,4-]	50	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Dinitrotoluene[2,4-]	10	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Dinitrotoluene[2,6-]	10	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Di-n-octylphthalate	10	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	VOAGCMS	Ethylbenzene	5	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Fluoranthene	10	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Fluorene	10	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Hexachloro-benzene	10	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Hexachloro-butadiene	10	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Hexachloro-cyclopentadiene	10	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Hexachloro-ethane	10	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	VOAGCMS	Hexanone[2-]	20	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Indeno(1,2,3-cd)pyrene	10	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	VOAGCMS	Iodomethane	5	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Isophorone	10	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	VOAGCMS	Isopropylbenzene	5	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	VOAGCMS	Isopropyltoluene[4-]	5	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	VOAGCMS	Methyl-2-pentanone[4-]	20	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	VOAGCMS	Methylene Chloride	5	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Methylnaphthalene[2-]	10	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Methylphenol[2-]	10	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Methylphenol[4-]	10	UG/L	U

Table I-3.0-16 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Naphthalene	10	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Nitroaniline[2-]	50	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Nitroaniline[3-]	50	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Nitroaniline[4-]	20	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Nitrobenzene	10	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Nitrophenol[2-]	10	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Nitrophenol[4-]	50	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Nitrosodi-methylamine[N-]	10	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Nitroso-di-n-propylamine[N-]	10	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Nitrosodi-phenylamine[N-]	10	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Oxybis(1-chloropropane)[2,2'-]	10	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Pentachlorophenol	50	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Phenanthrene	10	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Phenol	10	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	VOAGCMS	Propylbenzene[1-]	5	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Pyrene	10	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	VOAGCMS	Styrene	5	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	VOAGCMS	Tetrachloro-ethane[1,1,1,2-]	5	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	VOAGCMS	Tetrachloro-ethane[1,1,2,2-]	5	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	VOAGCMS	Tetrachloro-ethene	5	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	VOAGCMS	Toluene	5	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	VOAGCMS	Trichloro-1,2,2-trifluoroethane[1,1,2-]	5	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Trichloro benzene[1,2,4-]	10	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	VOAGCMS	Trichloroethane[1,1,1-]	5	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	VOAGCMS	Trichloroethane[1,1,2-]	5	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	VOAGCMS	Trichloro-ethene	5	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	VOAGCMS	Trichloro-fluoromethane	5	UG/L	U

Table I-3.0-16 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Trichloro-phenol[2,4,5-]	50	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	SEMI	Trichloro-phenol[2,4,6-]	10	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	VOAGCMS	Trichloropropane[1,2,3-]	5	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	VOAGCMS	Trimethyl--benzene[1,2,4-]	5	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	VOAGCMS	Trimethyl--benzene[1,3,5-]	5	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	VOAGCMS	Vinyl Chloride	10	UG/L	U
16-021(c)	16-2656	0316-97-0483	19-Dec-97	WGA	Unfiltered	VOAGCMS	Xylene (Total)	5	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Acenaphthene	10	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Acenaphthylene	10	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	VOAGCMS	Acetone	20	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Aniline	20	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Anthracene	10	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Azobenzene	20	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	VOAGCMS	Benzene	5	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Benzo(a)anthracene	10	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Benzo(a)pyrene	10	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Benzo(b)fluoranthene	10	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Benzo(g,h,i)perylene	10	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Benzo(k)fluoranthene	10	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Benzoic Acid	50	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Benzyl Alcohol	20	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Bis(2-chloroethoxy)methane	10	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Bis(2-chloroethyl)ether	10	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Bis(2-ethylhexyl)phthalate	10	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	VOAGCMS	Bromobenzene	5	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	VOAGCMS	Bromochloromethane	5	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	VOAGCMS	BromoDichloro-methane	5	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	VOAGCMS	Bromoform	5	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	VOAGCMS	Bromomethane	10	UG/L	U

Table I-3.0-16 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Bromophenyl-phenylether[4-]	10	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	VOAGCMS	Butanone[2-]	20	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	VOAGCMS	Butylbenzene[n-]	5	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	VOAGCMS	Butylbenzene[sec-]	5	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	VOAGCMS	Butylbenzene[tert-]	5	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Butylbenzylphthalate	10	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	VOAGCMS	Carbon Disulfide	5	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	VOAGCMS	Carbon Tetrachloride	5	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Chloro-3-methylphenol[4-]	20	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Chloroaniline[4-]	20	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	VOAGCMS	Chlorobenzene	5	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	VOAGCMS	Chlorodibromomethane	5	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	VOAGCMS	Chloroethane	10	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	VOAGCMS	Chloroform	5	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	VOAGCMS	Chloromethane	10	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Chloronaphthalene[2-]	10	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Chlorophenol[2-]	10	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Chlorophenyl-phenyl[4-] Ether	10	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	VOAGCMS	Chlorotoluene[2-]	5	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	VOAGCMS	Chlorotoluene[4-]	5	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Chrysene	10	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Dibenz(a,h)anthracene	10	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Dibenzofuran	10	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	VOAGCMS	Dibromo-3-chloropropane[1,2-]	10	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	VOAGCMS	Dibromoethane[1,2-]	5	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	VOAGCMS	Dibromomethane	5	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	VOAGCMS	Dichloro-benzene[1,2-]	5	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Dichloro-benzene[1,2-]	10	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	VOAGCMS	Dichloro-benzene[1,3-]	5	UG/L	U

Table I-3.0-16 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Dichloro-benzene[1,3-]	10	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	VOAGCMS	Dichloro-benzene[1,4-]	5	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Dichloro-benzene[1,4-]	10	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Dichlorobenzidine[3,3'-]	20	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	VOAGCMS	Dichloro-difluoromethane	10	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	VOAGCMS	Dichloro-ethane[1,1-]	5	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	VOAGCMS	Dichloro-ethane[1,2-]	5	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	VOAGCMS	Dichloroethene[1,1-]	5	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	VOAGCMS	Dichloroethene[cis-1,2-]	10	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	VOAGCMS	Dichloroethene[trans-1,2-]	10	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Dichloro-phenol[2,4-]	10	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	VOAGCMS	Dichloro-propane[1,2-]	5	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	VOAGCMS	Dichloro-propane[1,3-]	5	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	VOAGCMS	Dichloro-propane[2,2-]	5	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	VOAGCMS	Dichloro-propene[1,1-]	5	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	VOAGCMS	Dichloro-propene[cis-1,3-]	5	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	VOAGCMS	Dichloro-propene[trans-1,3-]	5	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Diethylphthalate	10	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Dimethyl Phthalate	10	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Dimethylphenol[2,4-]	10	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Di-n-butylphthalate	10	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Dinitro-2-methylphenol[4,6-]	50	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Dinitrophenol[2,4-]	50	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Dinitrotoluene[2,4-]	10	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Dinitrotoluene[2,6-]	10	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Di-n-octylphthalate	10	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	VOAGCMS	Ethylbenzene	5	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Fluoranthene	10	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Fluorene	10	UG/L	U

Table I-3.0-16 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Hexachloro-benzene	10	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Hexachloro-butadiene	10	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Hexachloro-cyclopentadiene	10	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Hexachloro-ethane	10	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	VOAGCMS	Hexanone[2-]	20	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Indeno(1,2,3-cd)pyrene	10	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	VOAGCMS	Iodomethane	5	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Isophorone	10	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	VOAGCMS	Isopropylbenzene	5	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	VOAGCMS	Isopropyltoluene[4-]	5	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	VOAGCMS	Methyl-2-pentanone[4-]	20	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	VOAGCMS	Methylene Chloride	5	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Methylnaphthalene[2-]	10	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Methylphenol[2-]	10	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Methylphenol[4-]	10	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Naphthalene	10	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Nitroaniline[2-]	50	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Nitroaniline[3-]	50	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Nitroaniline[4-]	20	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Nitrobenzene	10	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Nitrophenol[2-]	10	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Nitrophenol[4-]	50	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Nitrosodi-methylamine[N-]	10	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Nitroso-di-n-propylamine[N-]	10	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Nitrosodi-phenylamine[N-]	10	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Oxybis(1-chloropropane)[2,2'-]	10	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Pentachlorophenol	50	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Phenanthrene	10	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Phenol	10	UG/L	U

Table I-3.0-16 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	VOAGCMS	Propylbenzene[1-]	5	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Pyrene	10	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	VOAGCMS	Styrene	5	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	VOAGCMS	Tetrachloro-ethane[1,1,1,2-]	5	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	VOAGCMS	Tetrachloro-ethane[1,1,2,2-]	5	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	VOAGCMS	Tetrachloro-ethene	5	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	VOAGCMS	Toluene	5	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	VOAGCMS	Trichloro-1,2,2-trifluoroethane[1,1,2-]	5	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Trichloro benzene[1,2,4-]	10	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	VOAGCMS	Trichloroethane[1,1,1-]	5	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	VOAGCMS	Trichloroethane[1,1,2-]	5	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	VOAGCMS	Trichloro-ethene	5	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	VOAGCMS	Trichloro-fluoromethane	5	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Trichloro-phenol[2,4,5-]	50	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	SEMI	Trichloro-phenol[2,4,6-]	10	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	VOAGCMS	Trichloropropane[1,2,3-]	5	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	VOAGCMS	Trimethyl--benzene[1,2,4-]	5	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	VOAGCMS	Trimethyl--benzene[1,3,5-]	5	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	VOAGCMS	Vinyl Chloride	10	UG/L	U
16-021(c)	16-2658	0316-97-0485	22-Dec-97	WGA	Unfiltered	VOAGCMS	Xylene (Total)	5	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Acenaphthene	10	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Acenaphthylene	10	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	VOAGCMS	Acetone	27	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Aniline	20	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Anthracene	10	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Azobenzene	20	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	VOAGCMS	Benzene	5	UG/L	U

Table I-3.0-16 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Benzo(a)anthracene	10	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Benzo(a)pyrene	10	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Benzo(b)fluoranthene	10	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Benzo(g,h,i)perylene	10	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Benzo(k)fluoranthene	10	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Benzoic Acid	50	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Benzyl Alcohol	20	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Bis(2-chloroethoxy)methane	10	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Bis(2-chloroethyl)ether	10	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Bis(2-ethylhexyl)phthalate	10	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	VOAGCMS	Bromobenzene	5	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	VOAGCMS	Bromochloromethane	5	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	VOAGCMS	BromoDichloro-methane	5	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	VOAGCMS	Bromoform	5	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	VOAGCMS	Bromomethane	10	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Bromophenyl-phenylether[4-]	10	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	VOAGCMS	Butanone[2-]	20	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	VOAGCMS	Butylbenzene[n-]	5	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	VOAGCMS	Butylbenzene[sec-]	5	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	VOAGCMS	Butylbenzene[tert-]	5	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Butylbenzylphthalate	10	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	VOAGCMS	Carbon Disulfide	5	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	VOAGCMS	Carbon Tetrachloride	5	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Chloro-3-methylphenol[4-]	20	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Chloroaniline[4-]	20	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	VOAGCMS	Chlorobenzene	5	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	VOAGCMS	Chlorodibromomethane	5	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	VOAGCMS	Chloroethane	10	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	VOAGCMS	Chloroform	5	UG/L	U

Table I-3.0-16 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	VOAGCMS	Chloromethane	10	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Chloronaphthalene[2-]	10	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Chlorophenol[2-]	10	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Chlorophenyl-phenyl[4-] Ether	10	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	VOAGCMS	Chlorotoluene[2-]	5	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	VOAGCMS	Chlorotoluene[4-]	5	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Chrysene	10	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Dibenz(a,h)anthracene	10	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Dibenzofuran	10	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	VOAGCMS	Dibromo-3-chloropropane[1,2-]	10	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	VOAGCMS	Dibromoethane[1,2-]	5	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	VOAGCMS	Dibromomethane	5	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	VOAGCMS	Dichloro-benzene[1,2-]	5	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Dichloro-benzene[1,2-]	10	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	VOAGCMS	Dichloro-benzene[1,3-]	5	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Dichloro-benzene[1,3-]	10	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	VOAGCMS	Dichloro-benzene[1,4-]	5	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Dichloro-benzene[1,4-]	10	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Dichlorobenzidine[3,3'-]	20	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	VOAGCMS	Dichloro-difluoromethane	10	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	VOAGCMS	Dichloro-ethane[1,1-]	5	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	VOAGCMS	Dichloro-ethane[1,2-]	5	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	VOAGCMS	Dichloroethene[1,1-]	5	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	VOAGCMS	Dichloroethene[cis-1,2-]	10	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	VOAGCMS	Dichloroethene[trans-1,2-]	10	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Dichloro-phenol[2,4-]	10	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	VOAGCMS	Dichloro-propane[1,2-]	5	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	VOAGCMS	Dichloro-propane[1,3-]	5	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	VOAGCMS	Dichloro-propane[2,2-]	5	UG/L	U

Table I-3.0-16 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	VOAGCMS	Dichloro-propene[1,1-]	5	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	VOAGCMS	Dichloro-propene[cis-1,3-]	5	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	VOAGCMS	Dichloro-propene[trans-1,3-]	5	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Diethylphthalate	10	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Dimethyl Phthalate	10	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Dimethylphenol[2,4-]	10	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Di-n-butylphthalate	10	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Dinitro-2-methylphenol[4,6-]	50	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Dinitrophenol[2,4-]	50	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Dinitrotoluene[2,4-]	10	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Dinitrotoluene[2,6-]	10	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Di-n-octylphthalate	10	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	VOAGCMS	Ethylbenzene	5	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Fluoranthene	10	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Fluorene	10	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Hexachloro-benzene	10	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Hexachloro-butadiene	10	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Hexachloro-cyclopentadiene	10	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Hexachloro-ethane	10	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	VOAGCMS	Hexanone[2-]	20	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Indeno(1,2,3-cd)pyrene	10	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	VOAGCMS	Iodomethane	5	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Isophorone	10	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	VOAGCMS	Isopropylbenzene	5	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	VOAGCMS	Isopropyltoluene[4-]	5	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	VOAGCMS	Methyl-2-pentanone[4-]	20	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	VOAGCMS	Methylene Chloride	5	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Methylnaphthalene[2-]	10	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Methylphenol[2-]	10	UG/L	U

Table I-3.0-16 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Methylphenol[4-]	10	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Naphthalene	10	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Nitroaniline[2-]	50	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Nitroaniline[3-]	50	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Nitroaniline[4-]	20	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Nitrobenzene	10	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Nitrophenol[2-]	10	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Nitrophenol[4-]	50	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Nitrosodi-methylamine[N-]	10	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Nitroso-di-n-propylamine[N-]	10	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Nitrosodi-phenylamine[N-]	10	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Oxybis(1-chloropropane)[2,2'-]	10	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Pentachlorophenol	50	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Phenanthrene	10	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Phenol	10	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	VOAGCMS	Propylbenzene[1-]	5	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Pyrene	10	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	VOAGCMS	Styrene	5	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	VOAGCMS	Tetrachloro-ethane[1,1,1,2-]	5	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	VOAGCMS	Tetrachloro-ethane[1,1,2,2-]	5	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	VOAGCMS	Tetrachloro-ethene	5	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	VOAGCMS	Toluene	5	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	VOAGCMS	Trichloro-1,2,2-trifluoroethane[1,1,2-]	5	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Trichloro benzene[1,2,4-]	10	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	VOAGCMS	Trichloroethane[1,1,1-]	5	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	VOAGCMS	Trichloroethane[1,1,2-]	5	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	VOAGCMS	Trichloro-ethene	5	UG/L	U

Table I-3.0-16 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	VOAGCMS	Trichloro-fluoromethane	5	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Trichloro-phenol[2,4,5-]	50	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	SEMI	Trichloro-phenol[2,4,6-]	10	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	VOAGCMS	Trichloropropane[1,2,3-]	5	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	VOAGCMS	Trimethyl--benzene[1,2,4-]	5	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	VOAGCMS	Trimethyl--benzene[1,3,5-]	5	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	VOAGCMS	Vinyl Chloride	10	UG/L	U
16-021(c)	16-2659	0316-97-0486	22-Dec-97	WGA	Unfiltered	VOAGCMS	Xylene (Total)	5	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Acenaphthene	10	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Acenaphthylene	10	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Aniline	25	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Anthracene	10	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Azobenzene	10	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Benzidine	50	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Benzo(a)anthracene	10	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Benzo(a)pyrene	10	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Benzo(b)fluoranthene	10	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Benzo(g,h,i)perylene	10	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Benzoic Acid	50	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Benzyl Alcohol	10	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Bis(2-chloroethoxy)methane	10	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Bis(2-chloroethyl)ether	10	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Bis(2-ethylhexyl)phthalate	10	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Bromophenyl-phenylether[4-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Butylbenzylphthalate	10	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Carbazole	10	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Chloro-3-methylphenol[4-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Chloroaniline[4-]	25	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Chloronaphthalene[2-]	10	UG/L	U

Table I-3.0-16 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Chlorophenol[2-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Chlorophenyl-phenyl[4-] Ether	10	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Chrysene	10	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Dibenz(a,h)anthracene	10	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Dibenzofuran	10	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Dichloro-benzene[1,2-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Dichloro-benzene[1,3-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Dichloro-benzene[1,4-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Dichlorobenzidine[3,3'-]	50	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Dichloro-phenol[2,4-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Diethylphthalate	10	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Dimethyl Phthalate	10	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Dimethylphenol[2,4-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Di-n-butylphthalate	10	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Dinitro-2-methylphenol[4,6-]	50	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Dinitrophenol[2,4-]	50	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Dinitrotoluene[2,4-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Dinitrotoluene[2,6-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Di-n-octylphthalate	10	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Fluoranthene	10	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Fluorene	10	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Hexachloro-benzene	10	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Hexachloro-butadiene	10	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Hexachloro-cyclopentadiene	10	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Hexachloro-ethane	10	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Indeno(1,2,3-cd)pyrene	10	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Isophorone	10	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Methylnaphthalene[2-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Methylphenol[2-]	10	UG/L	U

Table I-3.0-16 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Methylphenol[4-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Naphthalene	10	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Nitroaniline[2-]	50	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Nitroaniline[3-]	50	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Nitroaniline[4-]	50	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Nitrobenzene	10	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Nitrophenol[2-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Nitrophenol[4-]	50	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Nitrosodi-methylamine[N-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Nitroso-di-n-propylamine[N-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Nitrosodi-phenylamine[N-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Oxybis(1-chloropropane)[2,2'-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Pentachlorophenol	50	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Phenanthrene	10	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Phenol	10	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Pyrene	10	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Pyridine	10	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Trichloro benzene[1,2,4-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Trichloro-phenol[2,4,5-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3024	27-Jun-97	WGS	Filtered	SEMI	Trichloro-phenol[2,4,6-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Acenaphthene	10	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Acenaphthylene	10	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	VOAGCMS	Acetone	22	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Aniline	25	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Anthracene	10	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Azobenzene	10	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	VOAGCMS	Benzene	5	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Benzidine	50	UG/L	U

Table I-3.0-16 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Benzo(a)anthracene	10	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Benzo(a)pyrene	10	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Benzo(b)fluoranthene	10	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Benzo(g,h,i)perylene	10	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Benzoic Acid	50	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Benzyl Alcohol	10	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Bis(2-chloroethoxy)methane	10	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Bis(2-chloroethyl)ether	10	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Bis(2-ethylhexyl)phthalate	10	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	VOAGCMS	Bromobenzene	5	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	VOAGCMS	Bromochloromethane	5	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	VOAGCMS	BromoDichloro-methane	5	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	VOAGCMS	Bromoform	5	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	VOAGCMS	Bromomethane	10	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Bromophenyl-phenylether[4-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	VOAGCMS	Butanone[2-]	20	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	VOAGCMS	Butylbenzene[n-]	5	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	VOAGCMS	Butylbenzene[sec-]	5	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	VOAGCMS	Butylbenzene[tert-]	5	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Butylbenzylphthalate	10	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Carbazole	10	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	VOAGCMS	Carbon Disulfide	5	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	VOAGCMS	Carbon Tetrachloride	5	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Chloro-3-methylphenol[4-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Chloroaniline[4-]	25	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	VOAGCMS	Chlorobenzene	5	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	VOAGCMS	Chlorodibromomethane	5	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	VOAGCMS	Chloroethane	10	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	VOAGCMS	Chloroform	5	UG/L	U

Table I-3.0-16 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	VOAGCMS	Chloromethane	6	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Chloronaphthalene[2-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Chlorophenol[2-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Chlorophenyl-phenyl[4-] Ether	10	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	VOAGCMS	Chlorotoluene[2-]	5	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	VOAGCMS	Chlorotoluene[4-]	5	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Chrysene	10	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Dibenz(a,h)anthracene	10	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Dibenzofuran	10	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	VOAGCMS	Dibromo-3-chloropropane[1,2-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	VOAGCMS	Dibromoethane[1,2-]	5	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	VOAGCMS	Dibromomethane	5	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	VOAGCMS	Dichloro-benzene[1,2-]	5	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Dichloro-benzene[1,2-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	VOAGCMS	Dichloro-benzene[1,3-]	5	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Dichloro-benzene[1,3-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	VOAGCMS	Dichloro-benzene[1,4-]	5	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Dichloro-benzene[1,4-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Dichlorobenzidine[3,3'-]	50	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	VOAGCMS	Dichloro-difluoromethane	10	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	VOAGCMS	Dichloro-ethane[1,1-]	5	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	VOAGCMS	Dichloro-ethane[1,2-]	4	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	VOAGCMS	Dichloroethene[1,1-]	5	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	VOAGCMS	Dichloroethene[cis-1,2-]	5	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	VOAGCMS	Dichloroethene[trans-1,2-]	5	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Dichloro-phenol[2,4-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	VOAGCMS	Dichloro-propane[1,2-]	5	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	VOAGCMS	Dichloro-propane[1,3-]	5	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	VOAGCMS	Dichloro-propane[2,2-]	5	UG/L	U

Table I-3.0-16 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	VOAGCMS	Dichloro-propene[1,1-]	5	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	VOAGCMS	Dichloro-propene[cis-1,3-]	5	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	VOAGCMS	Dichloro-propene[trans-1,3-]	5	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Diethylphthalate	10	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Dimethyl Phthalate	10	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Dimethylphenol[2,4-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Di-n-butylphthalate	10	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Dinitro-2-methylphenol[4,6-]	50	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Dinitrophenol[2,4-]	50	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Dinitrotoluene[2,4-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Dinitrotoluene[2,6-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Di-n-octylphthalate	10	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	VOAGCMS	Ethylbenzene	5	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Fluoranthene	10	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Fluorene	10	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Hexachloro-benzene	10	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	VOAGCMS	Hexachloro-butadiene	5	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Hexachloro-butadiene	10	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Hexachloro-cyclopentadiene	10	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Hexachloro-ethane	10	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	VOAGCMS	Hexanone[2-]	20	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Indeno(1,2,3-cd)pyrene	10	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	VOAGCMS	Iodomethane	5	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Isophorone	10	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	VOAGCMS	Isopropylbenzene	5	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	VOAGCMS	Isopropyltoluene[4-]	5	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	VOAGCMS	Methyl-2-pentanone[4-]	20	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	VOAGCMS	Methylene Chloride	5	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Methylnaphthalene[2-]	10	UG/L	U

Table I-3.0-16 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Methylphenol[2-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Methylphenol[4-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	VOAGCMS	Naphthalene	5	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Naphthalene	10	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Nitroaniline[2-]	50	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Nitroaniline[3-]	50	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Nitroaniline[4-]	50	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Nitrobenzene	10	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Nitrophenol[2-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Nitrophenol[4-]	50	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Nitrosodi-methylamine[N-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Nitroso-di-n-propylamine[N-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Nitrosodi-phenylamine[N-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Oxybis(1-chloropropane)[2,2'-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Pentachlorophenol	50	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Phenanthrene	10	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Phenol	10	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	VOAGCMS	Propylbenzene[1-]	5	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Pyrene	10	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Pyridine	10	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	VOAGCMS	Styrene	5	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	VOAGCMS	Tetrachloro-ethane[1,1,1,2-]	5	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	VOAGCMS	Tetrachloro-ethane[1,1,2,2-]	5	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	VOAGCMS	Tetrachloro-ethene	5	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	VOAGCMS	Toluene	5	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	VOAGCMS	Trichloro-1,2,2-trifluoroethane[1,1,2-]	5	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	VOAGCMS	Trichloro-benzene[1,2,3-]	5	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	VOAGCMS	Trichloro-benzene[1,2,4-]	5	UG/L	U

Table I-3.0-16 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Trichloro benzene[1,2,4-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	VOAGCMS	Trichloroethane[1,1,1-]	5	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	VOAGCMS	Trichloroethane[1,1,2-]	5	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	VOAGCMS	Trichloro-ethene	3	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	VOAGCMS	Trichloro-fluoromethane	5	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Trichloro-phenol[2,4,5-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	SEMI	Trichloro-phenol[2,4,6-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	VOAGCMS	Trichloropropane[1,2,3-]	5	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	VOAGCMS	Trimethyl--benzene[1,2,4-]	5	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	VOAGCMS	Trimethyl--benzene[1,3,5-]	5	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	VOAGCMS	Vinyl Chloride	10	UG/L	U
16-021(c)	16-2653	0316-97-3025	27-Jun-97	WGS	Unfiltered	VOAGCMS	Xylene (Total)	5	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Acenaphthene	10	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Acenaphthylene	10	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	VOAGCMS	Acetone	40	UG/L	none
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Aniline	20	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Anthracene	10	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Azobenzene	20	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	VOAGCMS	Benzene	5	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Benzo(a)anthracene	10	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Benzo(a)pyrene	10	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Benzo(b)fluoranthene	10	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Benzo(g,h,i)perylene	10	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Benzo(k)fluoranthene	10	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Benzoic Acid	50	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Benzyl Alcohol	20	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Bis(2-chloroethoxy)methane	10	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Bis(2-chloroethyl)ether	10	UG/L	U

Table I-3.0-16 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Bis(2-ethylhexyl)phthalate	10	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	VOAGCMS	Bromobenzene	5	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	VOAGCMS	Bromochloromethane	5	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	VOAGCMS	BromoDichloro-methane	5	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	VOAGCMS	Bromoform	5	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	VOAGCMS	Bromomethane	10	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Bromophenyl-phenylether[4-]	10	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	VOAGCMS	Butanone[2-]	20	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	VOAGCMS	Butylbenzene[n-]	5	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	VOAGCMS	Butylbenzene[sec-]	5	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	VOAGCMS	Butylbenzene[tert-]	5	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Butylbenzylphthalate	10	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	VOAGCMS	Carbon Disulfide	5	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	VOAGCMS	Carbon Tetrachloride	5	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Chloro-3-methylphenol[4-]	20	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Chloroaniline[4-]	20	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	VOAGCMS	Chlorobenzene	5	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	VOAGCMS	Chlorodibromomethane	5	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	VOAGCMS	Chloroethane	10	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	VOAGCMS	Chloroform	5	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	VOAGCMS	Chloromethane	10	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Chloronaphthalene[2-]	10	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Chlorophenol[2-]	10	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Chlorophenyl-phenyl[4-] Ether	10	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	VOAGCMS	Chlorotoluene[2-]	5	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	VOAGCMS	Chlorotoluene[4-]	5	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Chrysene	10	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Dibenz(a,h)anthracene	10	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Dibenzofuran	10	UG/L	U

Table I-3.0-16 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	VOAGCMS	Dibromo-3-chloropropane[1,2-]	10	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	VOAGCMS	Dibromoethane[1,2-]	5	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	VOAGCMS	Dibromomethane	5	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	VOAGCMS	Dichloro-benzene[1,2-]	5	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Dichloro-benzene[1,2-]	10	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	VOAGCMS	Dichloro-benzene[1,3-]	5	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Dichloro-benzene[1,3-]	10	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	VOAGCMS	Dichloro-benzene[1,4-]	5	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Dichloro-benzene[1,4-]	10	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Dichlorobenzidine[3,3'-]	20	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	VOAGCMS	Dichloro-difluoromethane	10	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	VOAGCMS	Dichloro-ethane[1,1-]	5	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	VOAGCMS	Dichloro-ethane[1,2-]	5	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	VOAGCMS	Dichloroethene[1,1-]	5	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	VOAGCMS	Dichloroethene[cis-1,2-]	19	UG/L	none
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	VOAGCMS	Dichloroethene[trans-1,2-]	10	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Dichloro-phenol[2,4-]	10	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	VOAGCMS	Dichloro-propane[1,2-]	5	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	VOAGCMS	Dichloro-propane[1,3-]	5	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	VOAGCMS	Dichloro-propane[2,2-]	5	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	VOAGCMS	Dichloro-propene[1,1-]	5	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	VOAGCMS	Dichloro-propene[cis-1,3-]	5	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	VOAGCMS	Dichloro-propene[trans-1,3-]	5	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Diethylphthalate	10	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Dimethyl Phthalate	10	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Dimethylphenol[2,4-]	10	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Di-n-butylphthalate	10	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Dinitro-2-methylphenol[4,6-]	50	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Dinitrophenol[2,4-]	50	UG/L	U

Table I-3.0-16 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Dinitrotoluene[2,4-]	10	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Dinitrotoluene[2,6-]	10	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Di-n-octylphthalate	10	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	VOAGCMS	Ethylbenzene	5	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Fluoranthene	10	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Fluorene	10	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Hexachloro-benzene	10	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Hexachloro-butadiene	10	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Hexachloro-cyclopentadiene	10	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Hexachloro-ethane	10	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	VOAGCMS	Hexanone[2-]	20	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Indeno(1,2,3-cd)pyrene	10	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	VOAGCMS	Iodomethane	5	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Isophorone	10	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	VOAGCMS	Isopropylbenzene	5	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	VOAGCMS	Isopropyltoluene[4-]	5	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	VOAGCMS	Methyl-2-pentanone[4-]	20	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	VOAGCMS	Methylene Chloride	5	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Methylnaphthalene[2-]	10	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Methylphenol[2-]	10	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Methylphenol[4-]	10	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Naphthalene	10	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Nitroaniline[2-]	50	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Nitroaniline[3-]	50	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Nitroaniline[4-]	20	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Nitrobenzene	10	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Nitrophenol[2-]	10	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Nitrophenol[4-]	50	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Nitrosodi-methylamine[N-]	10	UG/L	U

Table I-3.0-16 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Nitroso-di-n-propylamine[N-]	10	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Nitrosodi-phenylamine[N-]	10	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Oxybis(1-chloropropane)[2,2'-]	10	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Pentachlorophenol	50	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Phenanthrene	10	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Phenol	10	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	VOAGCMS	Propylbenzene[1-]	5	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Pyrene	10	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	VOAGCMS	Styrene	5	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	VOAGCMS	Tetrachloro-ethane[1,1,1,2-]	5	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	VOAGCMS	Tetrachloro-ethane[1,1,2,2-]	5	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	VOAGCMS	Tetrachloro-ethene	5	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	VOAGCMS	Toluene	5	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	VOAGCMS	Trichloro-1,2,2-trifluoroethane[1,1,2-]	5	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Trichloro benzene[1,2,4-]	10	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	VOAGCMS	Trichloroethane[1,1,1-]	5	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	VOAGCMS	Trichloroethane[1,1,2-]	5	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	VOAGCMS	Trichloro-ethene	5	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	VOAGCMS	Trichloro-fluoromethane	5	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Trichloro-phenol[2,4,5-]	50	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	SEMI	Trichloro-phenol[2,4,6-]	10	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	VOAGCMS	Trichloropropane[1,2,3-]	5	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	VOAGCMS	Trimethyl--benzene[1,2,4-]	5	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	VOAGCMS	Trimethyl--benzene[1,3,5-]	5	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	VOAGCMS	Vinyl Chloride	10	UG/L	U
16-021(c)	16-2654	0316-97-3102	19-Sep-97	WGS	Unfiltered	VOAGCMS	Xylene (Total)	5	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Acenaphthene	10	UG/L	U

Table I-3.0-16 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Acenaphthylene	10	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Aniline	20	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Anthracene	10	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Azobenzene	20	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Benzo(a)anthracene	10	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Benzo(a)pyrene	10	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Benzo(b)fluoranthene	10	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Benzo(g,h,i)perylene	10	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Benzo(k)fluoranthene	10	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Benzoic Acid	50	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Benzyl Alcohol	20	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Bis(2-chloroethoxy)methane	10	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Bis(2-chloroethyl)ether	10	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Bis(2-ethylhexyl)phthalate	10	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Bromophenyl-phenylether[4-]	10	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Butylbenzylphthalate	10	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Chloro-3-methylphenol[4-]	20	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Chloroaniline[4-]	20	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Chloronaphthalene[2-]	10	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Chlorophenol[2-]	10	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Chlorophenyl-phenyl[4-] Ether	10	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Chrysene	10	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Dibenz(a,h)anthracene	10	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Dibenzofuran	10	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Dichloro-benzene[1,2-]	10	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Dichloro-benzene[1,3-]	10	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Dichloro-benzene[1,4-]	10	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Dichlorobenzidine[3,3'-]	20	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Dichloro-phenol[2,4-]	10	UG/L	U

Table I-3.0-16 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Diethylphthalate	10	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Dimethyl Phthalate	10	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Dimethylphenol[2,4-]	10	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Di-n-butylphthalate	10	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Dinitro-2-methylphenol[4,6-]	50	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Dinitrophenol[2,4-]	50	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Dinitrotoluene[2,4-]	10	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Dinitrotoluene[2,6-]	10	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Di-n-octylphthalate	10	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Fluoranthene	10	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Fluorene	10	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Hexachloro-benzene	10	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Hexachloro-butadiene	10	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Hexachloro-cyclopentadiene	10	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Hexachloro-ethane	10	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Indeno(1,2,3-cd)pyrene	10	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Isophorone	10	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Methylnaphthalene[2-]	10	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Methylphenol[2-]	10	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Methylphenol[4-]	10	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Naphthalene	10	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Nitroaniline[2-]	50	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Nitroaniline[3-]	50	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Nitroaniline[4-]	20	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Nitrobenzene	10	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Nitrophenol[2-]	10	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Nitrophenol[4-]	50	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Nitrosodi-methylamine[N-]	10	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Nitroso-di-n-propylamine[N-]	10	UG/L	U

Table I-3.0-16 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Nitrosodi-phenylamine[N-]	10	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Oxybis(1-chloropropane)[2,2'-]	10	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Pentachlorophenol	50	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Phenanthrene	10	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Phenol	10	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Pyrene	10	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Trichloro benzene[1,2,4-]	10	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Trichloro-phenol[2,4,5-]	50	UG/L	U
16-021(c)	16-2654	0316-97-3103	19-Sep-97	WGS	Filtered	SEMI	Trichloro-phenol[2,4,6-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Acenaphthene	10	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Acenaphthylene	10	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	VOAGCMS	Acetone	31	UG/L	none
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Aniline	20	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Anthracene	10	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Azobenzene	20	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	VOAGCMS	Benzene	5	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Benzo(a)anthracene	10	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Benzo(a)pyrene	10	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Benzo(b)fluoranthene	10	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Benzo(g,h,i)perylene	10	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Benzo(k)fluoranthene	10	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Benzoic Acid	50	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Benzyl Alcohol	20	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Bis(2-chloroethoxy)methane	10	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Bis(2-chloroethyl)ether	10	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Bis(2-ethylhexyl)phthalate	10	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	VOAGCMS	Bromobenzene	5	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	VOAGCMS	Bromochloromethane	5	UG/L	U

Table I-3.0-16 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	VOAGCMS	BromoDichloro-methane	5	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	VOAGCMS	Bromoform	5	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	VOAGCMS	Bromomethane	10	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Bromophenyl-phenylether[4-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	VOAGCMS	Butanone[2-]	20	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	VOAGCMS	Butylbenzene[n-]	5	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	VOAGCMS	Butylbenzene[sec-]	5	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	VOAGCMS	Butylbenzene[tert-]	5	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Butylbenzylphthalate	10	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	VOAGCMS	Carbon Disulfide	5	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	VOAGCMS	Carbon Tetrachloride	5	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Chloro-3-methylphenol[4-]	20	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Chloroaniline[4-]	20	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	VOAGCMS	Chlorobenzene	5	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	VOAGCMS	Chlorodibromomethane	5	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	VOAGCMS	Chloroethane	10	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	VOAGCMS	Chloroform	5	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	VOAGCMS	Chloromethane	10	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Chloronaphthalene[2-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Chlorophenol[2-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Chlorophenyl-phenyl[4-] Ether	10	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	VOAGCMS	Chlorotoluene[2-]	5	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	VOAGCMS	Chlorotoluene[4-]	5	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Chrysene	10	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Dibenz(a,h)anthracene	10	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Dibenzofuran	10	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	VOAGCMS	Dibromo-3-chloropropane[1,2-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	VOAGCMS	Dibromoethane[1,2-]	5	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	VOAGCMS	Dibromomethane	5	UG/L	U

Table I-3.0-16 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	VOAGCMS	Dichloro-benzene[1,2-]	5	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Dichloro-benzene[1,2-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	VOAGCMS	Dichloro-benzene[1,3-]	5	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Dichloro-benzene[1,3-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	VOAGCMS	Dichloro-benzene[1,4-]	5	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Dichloro-benzene[1,4-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Dichlorobenzidine[3,3'-]	20	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	VOAGCMS	Dichloro-difluoromethane	10	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	VOAGCMS	Dichloro-ethane[1,1-]	5	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	VOAGCMS	Dichloro-ethane[1,2-]	5	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	VOAGCMS	Dichloroethene[1,1-]	5	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	VOAGCMS	Dichloroethene[cis-1,2-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	VOAGCMS	Dichloroethene[trans-1,2-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Dichloro-phenol[2,4-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	VOAGCMS	Dichloro-propane[1,2-]	5	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	VOAGCMS	Dichloro-propane[1,3-]	5	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	VOAGCMS	Dichloro-propane[2,2-]	5	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	VOAGCMS	Dichloro-propene[1,1-]	5	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	VOAGCMS	Dichloro-propene[cis-1,3-]	5	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	VOAGCMS	Dichloro-propene[trans-1,3-]	5	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Diethylphthalate	10	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Dimethyl Phthalate	10	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Dimethylphenol[2,4-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Di-n-butylphthalate	10	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Dinitro-2-methylphenol[4,6-]	50	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Dinitrophenol[2,4-]	50	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Dinitrotoluene[2,4-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Dinitrotoluene[2,6-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Di-n-octylphthalate	10	UG/L	U

Table I-3.0-16 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	VOAGCMS	Ethylbenzene	5	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Fluoranthene	10	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Fluorene	10	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Hexachloro-benzene	10	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Hexachloro-butadiene	10	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Hexachloro-cyclopentadiene	10	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Hexachloro-ethane	10	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	VOAGCMS	Hexanone[2-]	20	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Indeno(1,2,3-cd)pyrene	10	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	VOAGCMS	Iodomethane	5	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Isophorone	10	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	VOAGCMS	Isopropylbenzene	5	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	VOAGCMS	Isopropyltoluene[4-]	5	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	VOAGCMS	Methyl-2-pentanone[4-]	20	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	VOAGCMS	Methylene Chloride	5	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Methylnaphthalene[2-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Methylphenol[2-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Methylphenol[4-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Naphthalene	10	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Nitroaniline[2-]	50	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Nitroaniline[3-]	50	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Nitroaniline[4-]	20	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Nitrobenzene	10	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Nitrophenol[2-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Nitrophenol[4-]	50	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Nitrosodi-methylamine[N-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Nitroso-di-n-propylamine[N-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Nitrosodi-phenylamine[N-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Oxybis(1-chloropropane)[2,2'-]	10	UG/L	U

Table I-3.0-16 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Pentachlorophenol	50	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Phenanthrene	10	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Phenol	10	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	VOAGCMS	Propylbenzene[1-]	5	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Pyrene	10	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	VOAGCMS	Styrene	5	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	VOAGCMS	Tetrachloro-ethane[1,1,1,2-]	5	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	VOAGCMS	Tetrachloro-ethane[1,1,2,2-]	5	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	VOAGCMS	Tetrachloro-ethene	5	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	VOAGCMS	Toluene	5	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	VOAGCMS	Trichloro-1,2,2-trifluoroethane[1,1,2-]	5	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Trichloro benzene[1,2,4-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	VOAGCMS	Trichloroethane[1,1,1-]	5	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	VOAGCMS	Trichloroethane[1,1,2-]	5	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	VOAGCMS	Trichloro-ethene	5	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	VOAGCMS	Trichloro-fluoromethane	5	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Trichloro-phenol[2,4,5-]	50	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	SEMI	Trichloro-phenol[2,4,6-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	VOAGCMS	Trichloropropane[1,2,3-]	5	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	VOAGCMS	Trimethyl--benzene[1,2,4-]	5	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	VOAGCMS	Trimethyl--benzene[1,3,5-]	5	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	VOAGCMS	Vinyl Chloride	10	UG/L	U
16-021(c)	16-2653	0316-97-3106	19-Sep-97	WGS	Unfiltered	VOAGCMS	Xylene (Total)	5	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Acenaphthene	10	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Acenaphthylene	10	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Aniline	20	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Anthracene	10	UG/L	U

Table I-3.0-16 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Azobenzene	20	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Benzo(a)anthracene	10	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Benzo(a)pyrene	10	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Benzo(b)fluoranthene	10	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Benzo(g,h,i)perylene	10	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Benzo(k)fluoranthene	10	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Benzoic Acid	50	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Benzyl Alcohol	20	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Bis(2-chloroethoxy)methane	10	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Bis(2-chloroethyl)ether	10	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Bis(2-ethylhexyl)phthalate	10	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Bromophenyl-phenylether[4-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Butylbenzylphthalate	10	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Chloro-3-methylphenol[4-]	20	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Chloroaniline[4-]	20	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Chloronaphthalene[2-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Chlorophenol[2-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Chlorophenyl-phenyl[4-] Ether	10	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Chrysene	10	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Dibenz(a,h)anthracene	10	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Dibenzofuran	10	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Dichloro-benzene[1,2-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Dichloro-benzene[1,3-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Dichloro-benzene[1,4-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Dichlorobenzidine[3,3'-]	20	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Dichloro-phenol[2,4-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Diethylphthalate	10	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Dimethyl Phthalate	10	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Dimethylphenol[2,4-]	10	UG/L	U

Table I-3.0-16 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Di-n-butylphthalate	10	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Dinitro-2-methylphenol[4,6-]	50	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Dinitrophenol[2,4-]	50	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Dinitrotoluene[2,4-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Dinitrotoluene[2,6-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Di-n-octylphthalate	10	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Fluoranthene	10	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Fluorene	10	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Hexachloro-benzene	10	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Hexachloro-butadiene	10	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Hexachloro-cyclopentadiene	10	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Hexachloro-ethane	10	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Indeno(1,2,3-cd)pyrene	10	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Isophorone	10	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Methylnaphthalene[2-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Methylphenol[2-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Methylphenol[4-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Naphthalene	10	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Nitroaniline[2-]	50	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Nitroaniline[3-]	50	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Nitroaniline[4-]	20	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Nitrobenzene	10	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Nitrophenol[2-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Nitrophenol[4-]	50	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Nitrosodi-methylamine[N-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Nitroso-di-n-propylamine[N-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Nitrosodi--phenylamine[N-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Oxybis(1-chloropropane)[2,2'-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Pentachlorophenol	50	UG/L	U

Table I-3.0-16 (concluded)

PRS Number	Location ID	Sample ID	Collection Date	Sample Medium	Field Prep	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Phenanthrene	10	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Phenol	10	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Pyrene	10	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Trichloro benzene[1,2,4-]	10	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Trichloro-phenol[2,4,5-]	50	UG/L	U
16-021(c)	16-2653	0316-97-3107	19-Sep-97	WGS	Filtered	SEMI	Trichloro-phenol[2,4,6-]	10	UG/L	U

Table I-3.0-17

Inorganic Chemicals in Historical Samples – Creeks Major

Sample ID	Description	Date	Boron (mg/L)	Bromine (mg/L)	Calcium (mg/L)	Chlorine (mg/L)	Fluorine (mg/L)	Hydrogen Carbonate (mg/L)	Lithium (mg/L)	Magnesium (mg/L)
SSite95-1	Cañon de Valle Creek	3/17/95	0.04	0.03	13.5	16.8	0.14	69.9	<0.01	4.12
SSite95-2	Cañon de Valle Creek	3/17/95	0.03	0.07	14.8	20.9	0.2	81	<0.01	4.48
SSite95-3	Cañon de Valle Creek	3/17/95	0.02	0.08	19.6	22.9	0.27	92.6	<0.01	5.48
MDA P S-1	Cañon de Valle Creek	4/1/94	NA[a]	NA	19	NA	NA	NA	NA	5.6
MDA P S-2	Cañon de Valle Creek	4/1/94	NA	NA	19	NA	NA	NA	NA	5.5
MDA P S-3	Cañon de Valle Creek	4/1/94	NA	NA	19	NA	NA	NA	NA	5.5
MDA P S-4	Cañon de Valle Creek	4/1/94	NA	NA	18	NA	NA	NA	NA	5.3
MDA P S-5	Cañon de Valle Creek	4/1/94	NA	NA	18	NA	NA	NA	NA	5.2
MDA P S-6	Cañon de Valle Creek	4/1/94	NA	NA	17	NA	NA	NA	NA	5.1
PP94-52	Snowmelt, Cañon de Valle	4/15/94	<0.01	<0.02	7.56	1.5	0.04	38	<0.01	2.26
PP94-51	Weirbox, Cañon de Valle	4/15/94	0.04	0.07	15.5	19.8	0.23	82	<0.01	4.09

Sample ID	Description	Date	Potassium (mg/L)	Sodium (mg/L)	Silicate (mg/L) calc	Sulfate (mg/L)	Strontium (mg/L)	Total Dissolved Solvents (mg/L)	Cation Sum	Anion Sum
SSite95-1	Cañon de Valle Creek	3/17/95	3.08	18.2	29.1	15.5	0.13	175.5	1.98	1.953
SSite95-2	Cañon de Valle Creek	3/17/95	3.24	22.1	35.74	9.78	0.11	196.8	2.22	2.143
SSite95-3	Cañon de Valle Creek	3/17/95	3.88	22.7	47.08	11.1	0.12	233.6	2.59	2.47
MDA P S-1	Cañon de Valle Creek	4/1/94	3	21	NC[b]	NA	NA	NC	NC	NC
MDA P S-2	Cañon de Valle Creek	4/1/94	3.1	20	NC	NA	NA	NC	NC	NC
MDA P S-3	Cañon de Valle Creek	4/1/94	2.5	20	NC	NA	NA	NC	NC	NC
MDA P S-4	Cañon de Valle Creek	4/1/94	2.7	20	NC	NA	NA	NC	NC	NC
MDA P S-5	Cañon de Valle Creek	4/1/94	2.8	20	NC	NA	NA	NC	NC	NC
MDA P S-6	Cañon de Valle Creek	4/1/94	2.5	20	NC	NA	NA	NC	NC	NC
PP94-52	Snowmelt, Cañon de Valle	4/15/94	1.47	3.29	25.89	3.39	0.07	84.4	0.83	0.738
PP94-51	Weirbox, Cañon de Valle	4/15/94	2.89	20	35.31	7.76	0.14	191.3	2.15	2.079

[a]NA=Not analyzed.
[b]NC=Not calculated.

Table I-3.0-17 (continued)
Inorganic Chemicals in Historical Samples – Creeks Minor

Sample ID	Description	Date	Silver (mg/L)	Aluminum (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Cobalt (mg/L)	Chromium (mg/L)	Cesium (mg/L)
SSite95-1	Cañon de Valle Creek	3/17/95	<0.0005	0.51	0.0003	3.28	0.002	<0.002	<0.002	<0.002
SSite95-2	Cañon de Valle Creek	3/17/95	<0.0005	0.68	0.0008	2.44	<0.0002	<0.002	<0.002	<0.002
SSite95-3	Cañon de Valle Creek	3/17/95	<0.0005	2.39	0.0006	0.43	<0.0002	<0.002	<0.002	<0.002
MDA P S-1	Cañon de Valle Creek	4/1/94	ND[a]	0.31	ND	3	ND	ND	ND	NA[b]
MDA P S-2	Cañon de Valle Creek	4/1/94	ND	0.56	ND	3	ND	ND	ND	NA
MDA P S-3	Cañon de Valle Creek	4/1/94	ND	0.74	ND	3.1	ND	ND	ND	NA
MDA P S-4	Cañon de Valle Creek	4/1/94	ND	0.37	ND	3.4	ND	ND	ND	NA
MDA P S-5	Cañon de Valle Creek	4/1/94	ND	0.18	ND	3.4	ND	ND	ND	NA
MDA P S-6	Cañon de Valle Creek	4/1/94	ND	ND	ND	3.3	ND	ND	ND	NA
PP94-52	Snowmelt, Cañon de Valle	4/15/94	<0.0005	0.59	<0.0005	0.05	0.0004	<0.002	<0.002	<0.002
PP94-51	Weirbox, Cañon de Valle	4/15/94	<0.0005	0.29	0.002	2.9	<0.0002	<0.002	<0.002	<0.002

Sample ID	Description	Date	Copper (mg/L)	Iron (mg/L)	Mercury (mg/L)	Iodine (mg/L)	Manganese (mg/L)	Molybdenum (mg/L)	Ammonium (mg/L)	Nickel (mg/L)
SSite95-1	Cañon de Valle Creek	3/17/95	0.03	0.58	<0.0002	<0.01	0.04	<0.002	0.21	<0.002
SSite95-2	Cañon de Valle Creek	3/17/95	0.02	0.32	<0.0002	<0.01	0.01	<0.002	0.26	0.01
SSite95-3	Cañon de Valle Creek	3/17/95	0.02	0.97	<0.0002	<0.01	<0.01	<0.002	0.2	0
MDA P S-1	Cañon de Valle Creek	4/1/94	ND	ND	ND	NA	ND	NA	NA	ND
MDA P S-2	Cañon de Valle Creek	4/1/94	ND	0.34	ND	NA	ND	NA	NA	ND
MDA P S-3	Cañon de Valle Creek	4/1/94	ND	0.35	ND	NA	ND	NA	NA	ND
MDA P S-4	Cañon de Valle Creek	4/1/94	ND	0.31	ND	NA	ND	NA	NA	ND
MDA P S-5	Cañon de Valle Creek	4/1/94	ND	ND	ND	NA	ND	NA	NA	ND
MDA P S-6	Cañon de Valle Creek	4/1/94	ND	ND	ND	NA	ND	NA	NA	ND
PP94-52	Snowmelt, Cañon de Valle	4/15/94	0.01	0.2	<0.0002	<0.01	<0.01	<0.002	0.08	<0.002
PP94-51	Weirbox, Cañon de Valle	4/15/94	0	0.16	0.0006	<0.01	0.02	<0.002	0.11	0.01

Table I-3.0-17 (concluded)
Inorganic Chemicals in Historical Samples – Creeks Minor

Sample ID	Description	Date	Nitrite (mg/L)	Nitrate (mg/L)	Lead (mg/L)	Phosphate (mg/L)	Rubidium (mg/L)	Antimony (mg/L)	Selenium (mg/L)	Thiosulfate (mg/L)
SSite95-1	Cañon de Valle Creek	3/17/95	<0.02	0.1	0	<0.05	0	0.0004	<0.0002	<0.01
SSite95-2	Cañon de Valle Creek	3/17/95	<0.02	0.55	<0.002	<0.05	0	0.0002	<0.0002	<0.01
SSite95-3	Cañon de Valle Creek	3/17/95	<0.02	3.71	<0.002	<0.05	0.01	<0.0002	<0.0002	<0.01
MDA P S-1	Cañon de Valle Creek	4/1/94	NA	0.1	ND	NA	NA	ND	ND	NA
MDA P S-2	Cañon de Valle Creek	4/1/94	NA	0.12	ND	NA	NA	ND	ND	NA
MDA P S-3	Cañon de Valle Creek	4/1/94	NA	ND	ND	NA	NA	ND	0.003	NA
MDA P S-4	Cañon de Valle Creek	4/1/94	NA	ND	ND	NA	NA	ND	ND	NA
MDA P S-5	Cañon de Valle Creek	4/1/94	NA	ND	ND	NA	NA	ND	ND	NA
MDA P S-6	Cañon de Valle Creek	4/1/94	NA	ND	ND	NA	NA	0.003	ND	NA
PP94-52	Snowmelt, Cañon de Valle	4/15/94	<0.02	<0.02	<0.002	<0.05	<0.002	<0.0002	<0.0002	<0.01
PP94-51	Weirbox, Cañon de Valle	4/15/94	<0.02	<0.02	<0.002	<0.05	0	<0.0002	<0.0002	<0.01

Sample ID	Description	Date	Zinc (mg/L)
SSite95-1	Cañon de Valle Creek	3/17/95	0.15
SSite95-2	Cañon de Valle Creek	3/17/95	0.02
SSite95-3	Cañon de Valle Creek	3/17/95	0.02
MDA P S-1	Cañon de Valle Creek	4/1/94	ND
MDA P S-2	Cañon de Valle Creek	4/1/94	ND
MDA P S-3	Cañon de Valle Creek	4/1/94	ND
MDA P S-4	Cañon de Valle Creek	4/1/94	ND
MDA P S-5	Cañon de Valle Creek	4/1/94	ND
MDA P S-6	Cañon de Valle Creek	4/1/94	ND
PP94-52	Snowmelt, Cañon de Valle	4/15/94	<0.01
PP94-51	Weirbox, Cañon de Valle	4/15/94	<0.01

[a]ND= Not detected.

[b]NA = Not analyzed.

Table I-3.0-18
High Explosive Chemicals in Historical Samples – Creeks

Sample ID	Description	Date	A-DNT (mg/L)	DNT (mg/L)	HMX (mg/L)	NQ (mg/L)	PETN (mg/L)	RDX (mg/L)	1,3,5-TNB (mg/L)	TNT (mg/L)
Ssite95-1	Cañon de Valle Creek	3/17/95	NA[a]	NA	0.04	<0.01	<0.05	0.07	NA	<0.02
Ssite95-2	Cañon de Valle Creek	3/17/95	NA	NA	0.05	<0.01	<0.05	0.12	NA	<0.02
MDA P S-1	Cañon de Valle Creek	4/1/94	NA	NA	NA	NA	NA	0.18	NA	NA
MDA P S-2	Cañon de Valle Creek	4/1/94	NA	NA	NA	NA	NA	0.152	NA	NA
MDA P S-3	Cañon de Valle Creek	4/1/94	NA	NA	NA	NA	NA	0.196	NA	NA
MDA P S-4	Cañon de Valle Creek	4/1/94	NA	NA	NA	NA	NA	0.133	NA	NA
MDA P S-5	Cañon de Valle Creek	4/1/94	NA	NA	NA	NA	NA	0.146	NA	NA
MDA P S-6	Cañon de Valle Creek	4/1/94	NA	NA	NA	NA	NA	0.162	NA	NA
Ssite95-3	Cañon de Valle Creek	3/17/95	NA	NA	0.02	<0.01	<0.05	<0.02	NA	<0.02
PP94-52	Snowmelt, Cañon de Valle	4/15/94	NA	NA	<0.02	<0.01	<0.05	<0.02	NA	<0.02
PP94-51	Weirbox, Cañon de Valle	4/15/94	NA	NA	0.04	<0.01	<0.05	0.16	NA	<0.02

[a]N/A= Not applicable.

Table I-3.0-19
Surface Water Background Data Set

Sample ID	Description	Date mm/dd/yy	Ag ppm	SDa +/-	Al ppm	SD +/-	Alk(F) ppm CaCO3	Alk(Lab) ppm CaCO3	As ppm	SD +/-	B ppm	SD +/-
0816-97-0001	Surface Waters, LA Cyn, raw	03/26/97	<0.001	NA[b]	2.65	0.02	---	---	<0.001	NA	<0.01	NA
0816-97-0003	Surface Waters, Upper Pajarito, raw	03/27/97	<0.001	NA	5.35	0.08	---	---	0.001	0.001	<0.01	NA
0816-97-0006	Surface Waters, W of Reservoir, raw	03/31/97	<0.001	NA	3.19	0.06	---	---	<0.001	NA	<0.01	NA

Sample ID	Description	Date mm/dd/yy	Ba ppm	SD +/-	Be ppm	SD +/-	Br ppm	Ca ppb	SD +/-	Cd ppm	SD +/-	Cl ppm	ClO3 ppm	Co ppm
0816-97-0001	Surface Waters, LA Cyn, raw	03/26/97	0.030	0.002	<0.002	NA	<0.02	8160	0.04	<0.001	NA	10.0	<0.02	<0.002
0816-97-0003	Surface Waters, Upper Pajarito, raw	03/27/97	0.055	0.002	<0.002	NA	<0.02	7340	0.01	<0.001	NA	2.62	<0.02	<0.002
0816-97-0006	Surface Waters, W of Reservoir, raw	03/31/97	0.021	0.002	<0.002	NA	<0.02	7750	0.03	<0.001	NA	10.1	<0.02	<0.002
0816-96-0045	NA	NA	NA	NA	NA	NA	NA	16100	NA	NA	NA	NA	NA	NA
0816-96-0046	NA	NA	NA	NA	NA	NA	NA	16600	NA	NA	NA	NA	NA	NA
0816-96-0047	NA	NA	NA	NA	NA	NA	NA	17300	NA	NA	NA	NA	NA	NA
0816-96-0048	NA	NA	NA	NA	NA	NA	NA	16800	NA	NA	NA	NA	NA	NA
0816-96-0091	NA	NA	NA	NA	NA	NA	NA	19600	NA	NA	NA	NA	NA	NA
0816-96-0092	NA	NA	NA	NA	NA	NA	NA	17500	NA	NA	NA	NA	NA	NA
0816-96-0093	NA	NA	NA	NA	NA	NA	NA	17400	NA	NA	NA	NA	NA	NA
0816-96-0094	NA	NA	NA	NA	NA	NA	NA	16900	NA	NA	NA	NA	NA	NA
0816-96-0095	NA	NA	NA	NA	NA	NA	NA	16900	NA	NA	NA	NA	NA	NA
0816-96-0096	NA	NA	NA	NA	NA	NA	NA	17400	NA	NA	NA	NA	NA	NA
0816-96-0097	NA	NA	NA	NA	NA	NA	NA	16900	NA	NA	NA	NA	NA	NA
0816-96-0098	NA	NA	NA	NA	NA	NA	NA	17000	NA	NA	NA	NA	NA	NA
0816-96-0099	NA	NA	NA	NA	NA	NA	NA	17100	NA	NA	NA	NA	NA	NA
0816-96-0100	NA	NA	NA	NA	NA	NA	NA	17400	NA	NA	NA	NA	NA	NA
0816-96-0101	NA	NA	NA	NA	NA	NA	NA	18000	NA	NA	NA	NA	NA	NA
0816-96-0102	NA	NA	NA	NA	NA	NA	NA	17700	NA	NA	NA	NA	NA	NA
0816-96-0103	NA	NA	NA	NA	NA	NA	NA	17700	NA	NA	NA	NA	NA	NA
0816-96-0104	NA	NA	NA	NA	NA	NA	NA	17600	NA	NA	NA	NA	NA	NA

Table I-3.0-19 (continued)

Sample ID	Description	Date mm/dd/yy	Ba ppm	SD +/-	Be ppm	SD +/-	Br ppm	Ca ppb	SD +/-	Cd ppm	SD +/-	Cl ppm	ClO3 ppm	Co ppm
0816-96-0105	NA	NA	NA	NA	NA	NA	NA	17700	NA	NA	NA	NA	NA	NA
0816-96-0106	NA	NA	NA	NA	NA	NA	NA	17500	NA	NA	NA	NA	NA	NA
0816-96-0107	NA	NA	NA	NA	NA	NA	NA	1770	NA	NA	NA	NA	NA	NA
0816-96-0108	NA	NA	NA	NA	NA	NA	NA	17900	NA	NA	NA	NA	NA	NA
0816-96-0109	NA	NA	NA	NA	NA	NA	NA	17100	NA	NA	NA	NA	NA	NA
0816-96-0110	NA	NA	NA	NA	NA	NA	NA	17200	NA	NA	NA	NA	NA	NA
0816-96-0111	NA	NA	NA	NA	NA	NA	NA	17100	NA	NA	NA	NA	NA	NA
0816-96-0112	NA	NA	NA	NA	NA	NA	NA	17200	NA	NA	NA	NA	NA	NA
0816-96-0113	NA	NA	NA	NA	NA	NA	NA	17100	NA	NA	NA	NA	NA	NA

Sample ID	Description	Date mm/dd/yy	CO3 ppm	Cond(F) µS/cm	Cond(L) µS/cm	Cr ppm	SD +/-	Cs ppm	SD +/-	Cu ppm	SD +/-	F ppm
0816-97-0001	Surface Waters, LA Cyn, raw	03/26/97	0	---	102	0.002	0.002	<0.002	NA	<0.005	NA	0.07
0816-97-0003	Surface Waters, Upper Pajarito, raw	03/27/97	0	---	81.3	0.004	0.002	<0.002	NA	0.007	0.002	0.05
0816-97-0006	Surface Waters, W of Reservoir, raw	03/31/97	0	---	98.2	0.002	0.002	<0.002	NA	0.007	0.002	0.06

Sample ID	Description	Date mm/dd/yy	Fe ppm	SD +/-	Hardness CaCO3 ppm	HCO3 ppm	Hg ppm	I ppm	K ppm	SD +/-	Li ppm	SD +/-	Mg ppm
0816-97-0001	Surface Waters, LA Cyn, raw	03/26/97	1.00	0.01	20387.3	32.7	0.00002	<0.01	2.32	0.01	<0.01	NA	2.87
0816-97-0003	Surface Waters, Upper Pajarito, raw	03/27/97	1.87	0.01	18341.4	33.1	0.00001	<0.01	2.28	0.03	<0.01	NA	3.26
0816-97-0006	Surface Waters, W of Reservoir, raw	03/31/97	1.03	0.01	19363.3	28.8	0.00001	<0.01	2.19	0.02	<0.01	NA	2.81

Sample ID	Description	Date mm/dd/yy	Mn ppm	SD +/-	Mo ppm	SD +/-	Na ppm	SD +/-	NH4 ppm	Ni ppm	SD +/-	NO2 ppm	NO3 ppm
0816-97-0001	Surface Waters, LA Cyn, raw	03/26/97	0.014	0.002	<0.01	NA	7.09	0.06	0.07	<0.002	NA	<0.02	0.16
0816-97-0003	Surface Waters, Upper Pajarito, raw	03/27/97	0.015	0.002	<0.01	NA	4.98	0.02	0.06	<0.002	NA	<0.02	0.06
0816-97-0006	Surface Waters, W of Reservoir, raw	03/31/97	0.010	0.002	<0.01	NA	6.64	0.03	0.05	<0.002	NA	<0.02	0.58

Table I-3.0-19 (continued)

Sample ID	Description	Date mm/dd/yy	OH ppm	Oxalate ppm	Pb ppm	SD +/-	PH Field	PH Lab	PO4 ppm	Rb ppm	SD +/-	Sb ppm	SD +/-	Se ppm
0816-97-0001	Surface Waters, LA Cyn, raw	03/26/97	---	---	0.004	0.002	---	7.20	<0.05	0.008	0.002	<0.001	NA	<0.001
0816-97-0003	Surface Waters, Upper Pajarito, raw	03/27/97	---	---	0.002	0.002	---	7.26	<0.05	0.008	0.002	<0.001	NA	<0.001
0816-97-0006	Surface Waters, W of Reservoir, raw	03/31/97	---	---	0.003	0.002	---	7.31	<0.05	0.008	0.002	<0.001	NA	<0.001

Sample ID	Description	Date mm/dd/yy	Si ppm	SD +/-	SiO2 ppm calc	SO4 ppm	S2O3 ppm	Sn ppm	SD +/-	Sr ppm	SD +/-	Ti ppm
0816-97-0001	Surface Waters, LA Cyn, raw	03/26/97	18.3	0.3	39.2	4.41	<0.01	<0.005	NA	0.059	0.002	0.045
0816-97-0003	Surface Waters, Upper Pajarito, raw	03/27/97	22.8	0.2	48.8	5.87	<0.01	<0.005	NA	0.067	0.002	0.10
0816-97-0006	Surface Waters, W of Reservoir, raw	03/31/97	12.7	0.2	27.2	4.42	<0.01	<0.005	NA	0.058	0.002	0.057

Sample ID	Description	Date mm/dd/yy	Tl ppm	SD +/-	U ppm	V ppm	SD +/-	Zn ppm	SD +/-	TSS ppm	TDS ppm	Cation Sum
0816-97-0001	Surface Waters, LA Cyn, raw	03/26/97	<0.002	NA	---	0.002	0.002	0.01	0.01	19.6	28650.0	396.450
0816-97-0003	Surface Waters, Upper Pajarito, raw	03/27/97	<0.002	NA	---	0.005	0.002	<0.01	NA	33.1	25790.0	358.033
0816-97-0006	Surface Waters, W of Reservoir, raw	03/31/97	<0.002	NA	---	0.002	0.002	<0.01	NA	23.2	27200.5	377.170

Sample ID	Description	Date mm/dd/yy	Anion Sum	Balance NA	B/CL by wt	LI/CL by wt	F/CL by wt	NA/CL by wt	K/CL by wt	SO4/CL by wt	HCO3/CL by wt	CS/CL by wt
0816-97-0001	Surface Waters, LA Cyn, raw	03/26/97	0.890	1.9910	0.0000	0.0000	0.0070	0.7090	0.2320	0.4410	3.2700	0.0000
0816-97-0003	Surface Waters, Upper Pajarito, raw	03/27/97	0.723	1.9919	0.0000	0.0000	0.0191	1.9008	0.8702	2.2405	12.6336	0.0000
0816-97-0006	Surface Waters, W of Reservoir, raw	03/31/97	0.838	1.9911	0.0000	0.0000	0.0059	0.6574	0.2168	0.4376	2.8515	0.0000

Sample ID	Description	Date mm/dd/yy	BR/CL by wt	Acetate ppm	Formate ppm
0816-97-0001	Surface Waters, LA Cyn, raw	03/26/97	0.0000	NA	NA
0816-97-0003	Surface Waters, Upper Pajarito, raw	03/27/97	0.0000	NA	NA
0816-97-0006	Surface Waters, W of Reservoir, raw	03/31/97	0.0000	NA	NA

Table I-3.0-19 (continued)

CST Water Samples

Sample ID	Cont ID	Description	Date mm/dd/yy	Temp °C	Ag ppm	SD +/-	Al ppm	SD +/-	Alk(F) ppm CaCO3	Alk (Lab) ppm CaCO3	As ppm
0816-97-0001	6,7,8	Surface Waters, LA Cyn, raw	03/26/97	---	<0.001	NA	2.65	0.02	---	26.8	<0.001
0816-97-0002	4,5	Surface Waters, LA Cyn, filtered	03/26/97	---	<0.001	NA	1.52	0.02	---	27.1	<0.001
0816-97-0003	6,7,8	Surface Waters, Upper Pajarito, raw	03/27/97	---	<0.001	NA	5.35	0.08	---	27.1	0.001
0816-97-0005	4,5	Surface Waters, Upper Pajarito, filtered	03/27/97	---	<0.001	NA	3.37	0.02	---	26.7	<0.001
0816-97-0006	6,7,8	Surface Waters, W of Reservoir, raw	03/31/97	---	<0.001	NA	3.19	0.06	---	23.6	<0.001
0816-97-0007	4,5	Surface Waters, W of Reservoir, filtered	03/31/97	---	<0.001	NA	0.33	0.01	---	24.3	<0.001
0816-97-0009	7,8,9	Surface Waters, Ice Rink, total	05/01/97	---	<0.001	NA	2.74	0.01	---	23.0	0.0004
0816-97-0010	7,8,9	Surface Waters, Upper Pajarito, total	05/01/97	---	<0.001	NA	4.70	0.07	---	25.7	0.0003
0816-97-0011	7,8,9	Surface Waters, W of Reservoir, total	05/01/97	---	<0.001	NA	3.54	0.03	---	20.4	0.0004
0816-97-0012	3,4	Surface Waters, Ice Rink, filtered	05/01/97	---	<0.001	NA	2.08	0.02	---	23.3	0.0003
0816-97-0013	3,4	Surface Waters, Upper Pajarito, filtered	05/01/97	---	<0.001	NA	2.75	0.02	---	25.7	0.0004
0816-97-0014	3,4	Surface Waters, W of Reservoir, filtered	05/01/97	---	<0.001	NA	1.85	0.03	---	20.6	0.0002
0816-97-1017	---	Surface Waters, Upper Pajarito, filtered	07/15/97	---	<0.001	NA	1.82	0.02	---	31.5	<0.001
0816-97-1019	---	Surface Waters, Ice Rink, filtered	07/15/97	---	<0.001	NA	0.63	0.01	---	35.2	<0.001
0816-97-1022	---	Surface Waters, Upper Pajarito, split, filtered	07/15/97	---	<0.001	NA	0.48	0.01	---	30.8	<0.001
0816-97-1023	---	Surface Waters, W. of Reservoir, filtered	07/15/97	---	<0.001	NA	0.46	0.01	---	35.2	<0.001
1R-1	NA	Ice Rink	08/05/97	---	<0.001	NA	0.33	0.01	---	33.5	0.0003
1R-1R	NA	Ice Rink, unfiltered	08/05/97	---	<0.001	NA	0.07	0.01	---	33.8	0.0016
1R-2	NA	Ice Rink	08/05/97	---	<0.001	NA	0.35	0.01	---	33.9	0.0002
1R-2R	NA	Ice Rink, unfiltered	08/05/97	---	<0.001	NA	2.60	0.05	---	33.9	0.0004
1R-3	NA	Ice Rink	08/05/97	---	<0.001	NA	0.15	0.01	---	33.9	0.0002
1R-3R	NA	Ice Rink, unfiltered	08/05/97	---	<0.001	NA	2.87	0.01	---	33.9	0.0004
1R-4	NA	Ice Rink	08/05/97	---	<0.001	NA	0.29	0.01	---	34.6	0.0002
1R-4R	NA	Ice Rink, unfiltered	08/05/97	---	<0.001	NA	2.64	0.03	---	33.9	0.0004
1R-5	NA	Ice Rink	08/05/97	---	<0.001	NA	0.13	0.01	---	34.1	0.0003
1R-5R	NA	Ice Rink, unfiltered	08/05/97	---	<0.001	NA	2.67	0.04	---	34.0	0.0004
1R-6	NA	Ice Rink	08/05/97	---	<0.001	NA	0.25	0.01	---	34.3	0.0002

Table I-3.0-19 (continued)

CST Water Samples

Sample ID	Cont ID	Description	Date mm/dd/yy	Temp °C	Ag ppm	SD +/-	Al ppm	SD +/-	Alk(F) ppm CaCO3	Alk (Lab) ppm CaCO3	As ppm
1R-6R	NA	Ice Rink, unfiltered	08/05/97	---	<0.001	NA	4.00	0.03	---	34.6	0.0005
Pajarito Cyn-1	NA	Pajarito Canyon	09/10/97	---	<0.001	NA	0.59	0.02	---	36.3	0.0003
Pajarito Cyn-1R	NA	Pajarito Canyon, unfiltered	09/10/97	---	<0.001	NA	2.70	0.03	---	36.2	0.0004
Pajarito Cyn-2	NA	Pajarito Canyon	09/10/97	---	<0.001	NA	0.50	0.03	---	36.0	0.0002
Pajarito Cyn-2R	NA	Pajarito Canyon, unfiltered	09/10/97	---	<0.001	NA	2.16	0.03	---	36.2	0.0005
Pajarito Cyn-3	NA	Pajarito Canyon	09/10/97	---	<0.001	NA	0.53	0.01	---	36.2	<0.0002
Pajarito Cyn-3R	NA	Pajarito Canyon, unfiltered	09/10/97	---	<0.001	NA	1.95	0.03	---	36.2	0.0002
Pajarito Cyn-4	NA	Pajarito Canyon	09/10/97	---	<0.001	NA	0.54	0.02	---	35.8	<0.0002
Pajarito Cyn-4R	NA	Pajarito Canyon, unfiltered	09/10/97	---	<0.001	NA	3.83	0.08	---	36.1	0.0004
Pajarito Cyn-5	NA	Pajarito Canyon	09/10/97	---	<0.001	NA	0.37	0.01	---	26.7	<0.0002
Pajarito Cyn-5R	NA	Pajarito Canyon, unfiltered	09/10/97	---	<0.001	NA	14.7	0.1	---	28.4	0.0021
Pajarito Cyn-6	NA	Pajarito Canyon	09/10/97	---	<0.001	NA	0.43	0.01	---	31.6	<0.0002
Pajarito Cyn-6R	NA	Pajarito Canyon, unfiltered	09/10/97	---	<0.001	NA	4.77	0.03	---	32.2	0.0005

Sample ID	Cont ID	Description	Date mm/dd/yy	B ppm	SD +/-	Ba ppm	SD +/-	Be ppm	SD +/-	Br ppm	Ca ppm	SD +/-
0816-97-0001	6,7,8	Surface Waters, LA Cyn, raw	03/26/97	<0.01	NA	0.030	0.002	<0.002	NA	<0.02	8.16	0.04
0816-97-0002	4,5	Surface Waters, LA Cyn, filtered	03/26/97	<0.01	NA	0.025	0.002	<0.002	NA	<0.02	7.07	0.17
0816-97-0003	6,7,8	Surface Waters, Upper Pajarito, raw	03/27/97	<0.01	NA	0.055	0.002	<0.002	NA	<0.02	7.34	0.01
0816-97-0005	4,5	Surface Waters, Upper Pajarito, filtered	03/27/97	<0.01	NA	0.040	0.002	<0.002	NA	<0.02	7.19	0.03
0816-97-0006	6,7,8	Surface Waters, W of Reservoir, raw	03/31/97	<0.01	NA	0.021	0.002	<0.002	NA	<0.02	7.75	0.03
0816-97-0007	4,5	Surface Waters, W of Reservoir, filtered	03/31/97	<0.01	NA	0.023	0.002	<0.002	NA	<0.02	7.28	0.01
0816-97-0009	7,8,9	Surface Waters, Ice Rink, total	05/01/97	<0.01	NA	0.03	0.01	<0.002	NA	<0.01	7.36	0.05
0816-97-0010	7,8,9	Surface Waters, Upper Pajarito, total	05/01/97	<0.01	NA	0.05	0.01	<0.002	NA	<0.01	7.17	0.06
0816-97-0011	7,8,9	Surface Waters, W of Reservoir, total	05/01/97	<0.01	NA	0.03	0.01	<0.002	NA	<0.01	6.99	0.04
0816-97-0012	3,4	Surface Waters, Ice Rink, filtered	05/01/97	<0.01	NA	0.02	0.01	<0.002	NA	<0.01	7.73	0.06
0816-97-0013	3,4	Surface Waters, Upper Pajarito, filtered	05/01/97	<0.01	NA	0.03	0.01	<0.002	NA	<0.01	6.87	0.02
0816-97-0014	3,4	Surface Waters, W of Reservoir, filtered	05/01/97	<0.01	NA	0.02	0.01	<0.002	NA	<0.01	6.55	0.03

Table I-3.0-19 (continued)

CST Water Samples

Sample ID	Cont ID	Description	Date mm/dd/yy	SD +/-	B ppm	SD +/-	Ba ppm	SD +/-	Be ppm	SD +/-	Br ppm	Ca ppm	SD +/-
0816-97-1017	---	Surface Waters, Upper Pajarito, filtered	07/15/97	NA	0.007	0.002	0.036	0.002	<0.002	NA	<0.01	7.29	0.05
0816-97-1019	---	Surface Waters, Ice Rink, filtered	07/15/97	NA	0.010	0.002	0.022	0.002	<0.002	NA	<0.01	7.80	0.08
0816-97-1022	---	Surface Waters, Upper Pajarito, split, filtered	07/15/97	NA	0.005	0.002	0.022	0.002	<0.002	NA	<0.01	6.68	0.09
0816-97-1023	---	Surface Waters, W. of Reservoir, filtered	07/15/97	NA	0.007	0.002	0.021	0.002	<0.002	NA	<0.01	7.85	0.09
1R-1	NA	Ice Rink	08/05/97	NA	0.006	0.002	0.024	0.002	<0.002	NA	<0.01	8.46	0.01
1R-1R	NA	Ice Rink, unfiltered	08/05/97	NA	0.043	0.002	0.039	0.002	<0.002	NA	<0.01	9.14	0.02
1R-2	NA	Ice Rink	08/05/97	NA	0.008	0.002	0.024	0.002	<0.002	NA	<0.01	8.61	0.10
1R-2R	NA	Ice Rink, unfiltered	08/05/97	NA	0.009	0.002	0.044	0.002	<0.002	NA	0.01	9.12	0.05
1R-3	NA	Ice Rink	08/05/97	NA	0.007	0.002	0.024	0.002	<0.002	NA	0.01	8.46	0.06
1R-3R	NA	Ice Rink, unfiltered	08/05/97	NA	0.006	0.002	0.045	0.002	<0.002	NA	<0.01	9.01	0.01
1R-4	NA	Ice Rink	08/05/97	NA	0.006	0.002	0.024	0.002	<0.002	NA	0.01	8.51	0.11
1R-4R	NA	Ice Rink, unfiltered	08/05/97	NA	0.009	0.002	0.044	0.002	<0.002	NA	<0.01	8.88	0.09
1R-5	NA	Ice Rink	08/05/97	NA	0.006	0.002	0.024	0.002	<0.002	NA	0.01	8.39	0.09
1R-5R	NA	Ice Rink, unfiltered	08/05/97	NA	0.008	0.003	0.044	0.002	<0.002	NA	<0.01	8.84	0.11
1R-6	NA	Ice Rink	08/05/97	NA	0.007	0.002	0.024	0.002	<0.002	NA	<0.01	8.63	0.08
1R-6R	NA	Ice Rink, unfiltered	08/05/97	NA	0.010	0.002	0.057	0.002	<0.002	NA	<0.01	9.31	0.02
Pajarito Cyn-1	NA	Pajarito Canyon	09/10/97	NA	0.006	0.002	0.027	0.002	<0.002	NA	<0.02	7.37	0.04
Pajarito Cyn-1R	NA	Pajarito Canyon, unfiltered	09/10/97	NA	0.007	0.002	0.066	0.002	<0.002	NA	<0.02	8.27	0.03
Pajarito Cyn-2	NA	Pajarito Canyon	09/10/97	NA	0.005	0.002	0.027	0.002	<0.002	NA	<0.02	7.28	0.03
Pajarito Cyn-2R	NA	Pajarito Canyon, unfiltered	09/10/97	NA	0.005	0.002	0.042	0.002	<0.002	NA	<0.02	7.38	0.01
Pajarito Cyn-3	NA	Pajarito Canyon	09/10/97	NA	0.005	0.002	0.028	0.002	<0.002	NA	<0.02	7.29	0.03
Pajarito Cyn-3R	NA	Pajarito Canyon, unfiltered	09/10/97	NA	0.005	0.002	0.042	0.002	<0.002	NA	<0.02	7.55	0.01
Pajarito Cyn-4	NA	Pajarito Canyon	09/10/97	NA	0.006	0.002	0.027	0.002	<0.002	NA	<0.02	7.30	0.03
Pajarito Cyn-4R	NA	Pajarito Canyon, unfiltered	09/10/97	NA	0.008	0.002	0.072	0.002	<0.002	NA	<0.02	8.60	0.07
Pajarito Cyn-5	NA	Pajarito Canyon	09/10/97	NA	0.005	0.002	0.022	0.002	<0.002	NA	<0.02	5.72	0.04
Pajarito Cyn-5R	NA	Pajarito Canyon, unfiltered	09/10/97	NA	0.015	0.002	0.17	0.01	<0.002	NA	<0.02	9.69	0.1
Pajarito Cyn-6	NA	Pajarito Canyon	09/10/97	NA	0.006	0.002	0.024	0.002	<0.002	NA	<0.02	7.09	0.05
Pajarito Cyn-6R	NA	Pajarito Canyon, unfiltered	09/10/97	NA	0.009	0.002	0.067	0.002	<0.002	NA	<0.02	8.02	0.03

Table I-3.0-19 (continued)

CST Water Samples

Sample ID	Cont ID	Description	Date mm/dd/yy	Cd ppm	SD +/-	Cl ppm	ClO3 ppm	Co ppm	SD +/-	CO3 ppm	Cond.(F) µS/cm	Cond.(L) µS/cm
0816-97-0001	6,7,8	Surface Waters, LA Cyn, raw	03/26/97	<0.001	NA	10.0	<0.02	<0.002	NA	0	---	102
0816-97-0002	4,5	Surface Waters, LA Cyn, filtered	03/26/97	<0.001	NA	9.78	<0.02	<0.002	NA	0	---	103
0816-97-0003	6,7,8	Surface Waters, Upper Pajarito, raw	03/27/97	<0.001	NA	2.62	<0.02	<0.002	NA	0	---	81.3
0816-97-0005	4,5	Surface Waters, Upper Pajarito, filtered	03/27/97	<0.001	NA	2.63	<0.02	<0.002	NA	0	---	81.2
0816-97-0006	6,7,8	Surface Waters, W of Reservoir, raw	03/31/97	<0.001	NA	10.1	<0.02	<0.002	NA	0	---	98.2
0816-97-0007	4,5	Surface Waters, W of Reservoir, filtered	03/31/97	0.001	0.001	10.1	<0.02	<0.002	NA	0	---	102
0816-97-0009	7,8,9	Surface Waters, Ice Rink, total	05/01/97	<0.001	NA	8.66	<0.02	<0.002	NA	0	---	90.9
0816-97-0010	7,8,9	Surface Waters, Upper Pajarito, total	05/01/97	<0.001	NA	2.04	<0.02	<0.002	NA	0	---	75.9
0816-97-0011	7,8,9	Surface Waters, W of Reservoir, total	05/01/97	<0.001	NA	7.76	<0.02	<0.002	NA	0	---	84.0
0816-97-0012	3,4	Surface Waters, Ice Rink, filtered	05/01/97	<0.001	NA	8.95	<0.02	<0.002	NA	0	---	92.8
0816-97-0013	3,4	Surface Waters, Upper Pajarito, filtered	05/01/97	<0.001	NA	2.21	<0.02	<0.002	NA	0	---	76.6
0816-97-0014	3,4	Surface Waters, W of Reservoir, filtered	05/01/97	<0.001	NA	8.19	<0.02	<0.002	NA	0	---	86.3
0816-97-1017	---	Surface Waters, Upper Pajarito, filtered	07/15/97	<0.001	NA	0.49	<0.02	<0.002	NA	0	---	74.8
0816-97-1019	---	Surface Waters, Ice Rink, filtered	07/15/97	<0.001	NA	5.69	<0.02	<0.002	NA	0	---	101
0816-97-1022	---	Surface Waters, Upper Pajarito, split, filtered	07/15/97	<0.001	NA	0.53	<0.02	<0.002	NA	0	---	75.0
0816-97-1023	---	Surface Waters, W. of Reservoir, filtered	07/15/97	<0.001	NA	5.83	<0.02	<0.002	NA	0	---	101
1R-1	NA	Ice Rink	08/05/97	<0.001	NA	7.26	<0.02	<0.002	NA	0	---	101
1R-1R	NA	Ice Rink, unfiltered	08/05/97	<0.001	NA	7.23	<0.02	<0.002	NA	0	---	102
1R-2	NA	Ice Rink	08/05/97	<0.001	NA	7.59	<0.02	<0.002	NA	0	---	102
1R-2R	NA	Ice Rink, unfiltered	08/05/97	<0.001	NA	7.37	<0.02	<0.002	NA	0	---	102
1R-3	NA	Ice Rink	08/05/97	<0.001	NA	7.56	<0.02	<0.002	NA	0	---	102
1R-3R	NA	Ice Rink, unfiltered	08/05/97	<0.001	NA	7.41	<0.02	<0.002	NA	0	---	102
1R-4	NA	Ice Rink	08/05/97	<0.001	NA	7.55	<0.02	<0.002	NA	0	---	102
1R-4R	NA	Ice Rink, unfiltered	08/05/97	<0.001	NA	7.32	<0.02	<0.002	NA	0	---	103
1R-5	NA	Ice Rink	08/05/97	<0.001	NA	7.44	<0.02	<0.002	NA	0	---	102
1R-5R	NA	Ice Rink, unfiltered	08/05/97	<0.001	NA	7.34	<0.02	<0.002	NA	0	---	103
1R-6	NA	Ice Rink	08/05/97	<0.001	NA	7.53	<0.02	<0.002	NA	0	---	103
1R-6R	NA	Ice Rink, unfiltered	08/05/97	<0.001	NA	7.37	<0.02	<0.002	NA	0	---	103

Table I-3.0-19 (continued)

CST Water Samples

Sample ID	Cont ID	Description	Date mm/dd/yy	Cd ppm	SD +/-	Cl ppm	ClO3 ppm	Co ppm	SD +/-	CO3 ppm	Cond.(F) µS/cm	Cond.(L) µS/cm
Pajarito Cyn-1	NA	Pajarito Canyon	09/10/97	<0.0002	NA	1.23	<0.02	<0.002	NA	0	---	87.0
Pajarito Cyn-1R	NA	Pajarito Canyon, unfiltered	09/10/97	<0.0002	NA	1.13	<0.02	<0.002	NA	0	---	86.3
Pajarito Cyn-2	NA	Pajarito Canyon	09/10/97	<0.0002	NA	1.22	<0.02	<0.002	NA	0	---	86.2
Pajarito Cyn-2R	NA	Pajarito Canyon, unfiltered	09/10/97	<0.0002	NA	1.10	<0.02	<0.002	NA	0	---	85.9
Pajarito Cyn-3	NA	Pajarito Canyon	09/10/97	<0.0002	NA	1.18	<0.02	<0.002	NA	0	---	85.9
Pajarito Cyn-3R	NA	Pajarito Canyon, unfiltered	09/10/97	<0.0002	NA	1.14	<0.02	<0.002	NA	0	---	86.0
Pajarito Cyn-4	NA	Pajarito Canyon	09/10/97	<0.0002	NA	1.25	<0.02	<0.002	NA	0	---	86.6
Pajarito Cyn-4R	NA	Pajarito Canyon, unfiltered	09/10/97	0.0007	0.0002	1.13	<0.02	<0.002	NA	0	---	86.5
Pajarito Cyn-5	NA	Pajarito Canyon	09/10/97	<0.0002	NA	1.05	<0.02	<0.002	NA	0	---	68.7
Pajarito Cyn-5R	NA	Pajarito Canyon, unfiltered	09/10/97	0.0002	0.0002	0.98	<0.02	0.002	0.002	0	---	69.3
Pajarito Cyn-6	NA	Pajarito Canyon	09/10/97	<0.0002	NA	1.47	<0.02	<0.002	NA	0	---	78.9
Pajarito Cyn-6R	NA	Pajarito Canyon, unfiltered	09/10/97	<0.0002	NA	1.09	<0.02	<0.002	NA	0	---	78.4

Sample ID	Cont ID	Description	Date mm/dd/yy	Cr ppm	SD +/-	Cs ppm	SD +/-	Cu ppm	SD +/-	F ppm	Fe ppm	SD +/-
0816-97-0001	6,7,8	Surface Waters, LA Cyn, raw	03/26/97	0.002	0.002	<0.002	NA	<0.005	NA	0.07	1.00	0.01
0816-97-0002	4,5	Surface Waters, LA Cyn, filtered	03/26/97	<0.002	NA	<0.002	NA	<0.005	NA	0.06	0.57	0.01
0816-97-0003	6,7,8	Surface Waters, Upper Pajarito, raw	03/27/97	0.004	0.002	<0.002	NA	0.007	0.002	0.05	1.87	0.01
0816-97-0005	4,5	Surface Waters, Upper Pajarito, filtered	03/27/97	<0.002	NA	<0.002	NA	0.006	0.002	0.05	1.17	0.01
0816-97-0006	6,7,8	Surface Waters, W of Reservoir, raw	03/31/97	0.002	0.002	<0.002	NA	0.007	0.002	0.06	1.03	0.01
0816-97-0007	4,5	Surface Waters, W of Reservoir, filtered	03/31/97	<0.002	NA	<0.002	NA	0.005	0.002	0.06	0.11	0.01
0816-97-0009	7,8,9	Surface Waters, Ice Rink, total	05/01/97	0.002	0.002	<0.002	NA	0.002	0.002	0.06	1.19	0.01
0816-97-0010	7,8,9	Surface Waters, Upper Pajarito, total	05/01/97	0.004	0.002	0.002	0.002	0.004	0.002	0.06	1.77	0.01
0816-97-0011	7,8,9	Surface Waters, W of Reservoir, total	05/01/97	0.003	0.002	<0.002	NA	0.002	0.002	0.07	1.43	0.01
0816-97-0012	3,4	Surface Waters, Ice Rink, filtered	05/01/97	<0.002	NA	<0.002	NA	0.002	0.002	0.07	0.76	0.01
0816-97-0013	3,4	Surface Waters, Upper Pajarito, filtered	05/01/97	<0.002	NA	<0.002	NA	0.002	0.002	0.06	0.98	0.01
0816-97-0014	3,4	Surface Waters, W of Reservoir, filtered	05/01/97	<0.002	NA	<0.002	NA	0.003	0.002	0.07	0.63	0.01
0816-97-1017	---	Surface Waters, Upper Pajarito, filtered	07/15/97	<0.002	NA	<0.002	NA	0.005	0.002	0.04	0.72	0.01
0816-97-1019	---	Surface Waters, Ice Rink, filtered	07/15/97	<0.002	NA	<0.002	NA	<0.002	NA	0.06	0.43	0.01

Table I-3.0-19 (continued)

CST Water Samples

Sample ID	Cont ID	Description	Date mm/dd/yy	Cr ppm	SD +/-	Cs ppm	SD +/-	Cu ppm	SD +/-	F ppm	Fe ppm	SD +/-
0816-97-1022	---	Surface Waters, Upper Pajarito, split, filtered	07/15/97	<0.002	NA	<0.002	NA	0.002	0.002	0.03	0.17	0.01
0816-97-1023	---	Surface Waters, W. of Reservoir, filtered	07/15/97	0.002	0.002	0.002	0.002	0.004	0.002	0.05	0.34	0.01
1R-1	NA	Ice Rink	08/05/97	<0.002	NA	<0.002	NA	0.002	0.002	0.07	<0.01	NA
1R-1R	NA	Ice Rink, unfiltered	08/05/97	0.006	0.002	<0.002	NA	0.003	0.002	0.07	0.01	0.01
1R-2	NA	Ice Rink	08/05/97	<0.002	NA	<0.002	NA	0.002	0.002	0.07	0.15	0.01
1R-2R	NA	Ice Rink, unfiltered	08/05/97	0.002	0.002	<0.002	NA	0.003	0.002	0.07	1.48	0.01
1R-3	NA	Ice Rink	08/05/97	<0.002	NA	<0.002	NA	0.003	0.002	0.07	0.07	0.01
1R-3R	NA	Ice Rink, unfiltered	08/05/97	0.002	0.002	<0.002	NA	0.006	0.002	0.07	1.51	0.03
1R-4	NA	Ice Rink	08/05/97	<0.002	NA	<0.002	NA	<0.002	NA	0.07	0.14	0.01
1R-4R	NA	Ice Rink, unfiltered	08/05/97	0.002	0.002	<0.002	NA	0.004	0.002	0.07	1.42	0.03
1R-5	NA	Ice Rink	08/05/97	<0.002	NA	<0.002	NA	<0.002	NA	0.07	0.07	0.01
1R-5R	NA	Ice Rink, unfiltered	08/05/97	0.002	0.002	<0.002	NA	0.002	0.002	0.07	1.40	0.01
1R-6	NA	Ice Rink	08/05/97	<0.002	NA	<0.002	NA	<0.002	NA	0.07	0.12	0.01
1R-6R	NA	Ice Rink, unfiltered	08/05/97	0.007	0.002	<0.002	NA	0.005	0.002	0.07	2.20	0.04
Pajarito Cyn-1	NA	Pajarito Canyon	09/10/97	<0.002	NA	<0.002	NA	0.005	0.002	0.05	0.20	0.01
Pajarito Cyn-1R	NA	Pajarito Canyon, unfiltered	09/10/97	0.002	0.002	<0.002	NA	0.006	0.002	0.05	1.19	0.02
Pajarito Cyn-2	NA	Pajarito Canyon	09/10/97	<0.002	NA	<0.002	NA	0.004	0.002	0.05	0.18	0.01
Pajarito Cyn-2R	NA	Pajarito Canyon, unfiltered	09/10/97	<0.002	NA	<0.002	NA	0.007	0.002	0.05	0.86	0.01
Pajarito Cyn-3	NA	Pajarito Canyon	09/10/97	<0.002	NA	<0.002	NA	<0.002	NA	0.04	0.18	0.01
Pajarito Cyn-3R	NA	Pajarito Canyon, unfiltered	09/10/97	<0.002	NA	<0.002	NA	0.002	0.002	0.05	0.80	0.01
Pajarito Cyn-4	NA	Pajarito Canyon	09/10/97	<0.002	NA	<0.002	NA	<0.002	NA	0.05	0.20	0.01
Pajarito Cyn-4R	NA	Pajarito Canyon, unfiltered	09/10/97	0.004	0.002	<0.002	NA	0.013	0.002	0.05	1.71	0.03
Pajarito Cyn-5	NA	Pajarito Canyon	09/10/97	<0.002	NA	<0.002	NA	0.003	0.002	0.04	0.13	0.01
Pajarito Cyn-5R	NA	Pajarito Canyon, unfiltered	09/10/97	0.012	0.002	<0.002	NA	0.010	0.002	0.04	6.52	0.06
Pajarito Cyn-6	NA	Pajarito Canyon	09/10/97	<0.002	NA	<0.002	NA	<0.002	NA	0.05	0.16	0.01
Pajarito Cyn-6R	NA	Pajarito Canyon, unfiltered	09/10/97	0.003	0.002	<0.002	NA	0.002	0.002	0.04	1.96	0.03

Table I-3.0-19 (continued)

CST Water Samples

Sample ID	Cont ID	Description	Date mm/dd/yy	Hardness CaCO3 ppm	HCO3 ppm	Hg ppm	I ppm	K ppm	SD +/-	Li ppm	SD +/-	Mg ppm
0816-97-0001	6,7,8	Surface Waters, LA Cyn, raw	03/26/97	32.2	32.7	0.00002	<0.01	2.32	0.01	<0.01	NA	2.87
0816-97-0002	4,5	Surface Waters, LA Cyn, filtered	03/26/97	27.6	33.1	<0.0002	<0.01	2.33	0.02	<0.01	NA	2.41
0816-97-0003	6,7,8	Surface Waters, Upper Pajarito, raw	03/27/97	31.8	33.1	0.00001	<0.01	2.28	0.03	<0.01	NA	3.26
0816-97-0005	4,5	Surface Waters, Upper Pajarito, filtered	03/27/97	29.7	32.6	<0.0002	<0.01	2.24	0.02	<0.01	NA	2.86
0816-97-0006	6,7,8	Surface Waters, W of Reservoir, raw	03/31/97	30.9	28.8	0.00001	<0.01	2.19	0.02	<0.01	NA	2.81
0816-97-0007	4,5	Surface Waters, W of Reservoir, filtered	03/31/97	29.6	29.7	<0.0002	<0.01	2.07	0.03	<0.01	NA	2.78
0816-97-0009	7,8,9	Surface Waters, Ice Rink, total	05/01/97	29.0	28.1	0.00006	<0.01	2.30	0.03	<0.01	NA	2.58
0816-97-0010	7,8,9	Surface Waters, Upper Pajarito, total	05/01/97	29.7	31.4	0.00004	<0.01	2.30	0.03	<0.01	NA	2.87
0816-97-0011	7,8,9	Surface Waters, W of Reservoir, total	05/01/97	27.8	24.9	0.00004	<0.01	2.22	0.02	0.02	0.01	2.52
0816-97-0012	3,4	Surface Waters, Ice Rink, filtered	05/01/97	29.3	28.4	<0.0002	<0.01	2.35	0.03	<0.01	NA	2.42
0816-97-0013	3,4	Surface Waters, Upper Pajarito, filtered	05/01/97	28.0	31.3	<0.0002	<0.01	2.25	0.01	<0.01	NA	2.64
0816-97-0014	3,4	Surface Waters, W of Reservoir, filtered	05/01/97	25.4	25.1	<0.0002	<0.01	2.19	0.02	<0.01	NA	2.20
0816-97-1017	---	Surface Waters, Upper Pajarito, filtered	07/15/97	29.5	38.4	<0.00002	<0.01	1.94	0.04	<0.01	NA	2.75
0816-97-1019	---	Surface Waters, Ice Rink, filtered	07/15/97	31.5	43.0	<0.00002	<0.01	2.47	0.05	<0.01	NA	2.91
0816-97-1022	---	Surface Waters, Upper Pajarito, split, filtered	07/15/97	27.8	37.6	<0.0001	<0.01	1.88	0.01	<0.01	NA	2.71
0816-97-1023	---	Surface Waters, W. of Reservoir, filtered	07/15/97	31.6	43.0	<0.0001	<0.01	2.46	0.05	<0.01	NA	2.92
1R-1	NA	Ice Rink	08/05/97	31.4	40.9	<0.0001	<0.01	2.42	0.03	<0.01	NA	2.50
1R-1R	NA	Ice Rink, unfiltered	08/05/97	34.4	41.2	<0.0001	<0.01	2.57	0.02	<0.01	NA	2.81
1R-2	NA	Ice Rink	08/05/97	32.0	41.4	<0.0001	<0.01	2.40	0.02	<0.01	NA	2.55
1R-2R	NA	Ice Rink, unfiltered	08/05/97	34.2	41.4	<0.0001	<0.01	2.55	0.01	0.01	0.01	2.77
1R-3	NA	Ice Rink	08/05/97	31.5	41.3	<0.0001	<0.01	2.40	0.02	<0.01	NA	2.52
1R-3R	NA	Ice Rink, unfiltered	08/05/97	34.0	41.3	<0.0001	<0.01	2.47	0.02	<0.01	NA	2.80
1R-4	NA	Ice Rink	08/05/97	31.8	42.2	<0.0001	<0.01	2.39	0.02	<0.01	NA	2.56
1R-4R	NA	Ice Rink, unfiltered	08/05/97	33.7	41.4	<0.0001	<0.01	2.53	0.03	<0.01	NA	2.80
1R-5	NA	Ice Rink	08/05/97	31.3	41.6	<0.0001	<0.01	2.40	0.01	<0.01	NA	2.52
1R-5R	NA	Ice Rink, unfiltered	08/05/97	33.4	41.5	<0.0001	<0.01	2.47	0.01	<0.01	NA	2.76
1R-6	NA	Ice Rink	08/05/97	32.1	41.8	<0.0001	<0.01	2.42	0.04	<0.01	NA	2.55
1R-6R	NA	Ice Rink, unfiltered	08/05/97	35.3	42.2	<0.0001	<0.01	2.57	0.01	0.01	0.01	2.92

Table I-3.0-19 (continued)

CST Water Samples

Sample ID	Cont ID	Description	Date mm/dd/yy	Hardness CaCO3 ppm	HCO3 ppm	Hg ppm	I ppm	K ppm	SD +/-	Li ppm	SD +/-	Mg ppm
Pajarito Cyn-1	NA	Pajarito Canyon	09/10/97	31.5	44.3	<0.00005	<0.01	2.56	0.02	<0.01	NA	3.18
Pajarito Cyn-1R	NA	Pajarito Canyon, unfiltered	09/10/97	34.7	44.2	<0.00005	<0.01	2.73	0.03	<0.01	NA	3.42
Pajarito Cyn-2	NA	Pajarito Canyon	09/10/97	30.8	43.9	<0.00005	<0.01	2.67	0.03	<0.01	NA	3.06
Pajarito Cyn-2R	NA	Pajarito Canyon, unfiltered	09/10/97	31.9	44.2	<0.00005	<0.01	2.66	0.03	<0.01	NA	3.28
Pajarito Cyn-3	NA	Pajarito Canyon	09/10/97	31.0	44.2	<0.00005	<0.01	2.62	0.02	<0.01	NA	3.12
Pajarito Cyn-3R	NA	Pajarito Canyon, unfiltered	09/10/97	33.0	44.2	<0.00005	<0.01	2.70	0.01	<0.01	NA	3.44
Pajarito Cyn-4	NA	Pajarito Canyon	09/10/97	31.0	43.7	<0.00005	<0.01	2.73	0.02	<0.01	NA	3.10
Pajarito Cyn-4R	NA	Pajarito Canyon, unfiltered	09/10/97	36.6	44.0	0.00005	<0.01	2.97	0.01	<0.01	NA	3.68
Pajarito Cyn-5	NA	Pajarito Canyon	09/10/97	24.0	32.6	<0.00005	<0.01	2.64	0.02	<0.01	NA	2.36
Pajarito Cyn-5R	NA	Pajarito Canyon, unfiltered	09/10/97	41.5	34.6	0.00006	<0.01	4.97	0.02	0.01	0.01	4.20
Pajarito Cyn-6	NA	Pajarito Canyon	09/10/97	29.3	38.6	<0.00005	<0.01	2.78	0.04	<0.01	NA	2.82
Pajarito Cyn-6R	NA	Pajarito Canyon, unfiltered	09/10/97	33.9	39.3	0.00005	<0.01	3.14	0.01	<0.01	NA	3.37

Table I-3.0-19 (continued)

CST Water Samples

Sample ID	Cont ID	Description	Date mm/dd/yy	Mn ppm	SD +/-	Mo ppm	SD +/-	Na ppm	SD +/-	NH4 ppm	Ni ppm	SD +/-
0816-97-0001	6,7,8	Surface Waters, LA Cyn, raw	03/26/97	0.014	0.002	<0.01	NA	7.09	0.06	0.07	<0.002	NA
0816-97-0002	4,5	Surface Waters, LA Cyn, filtered	03/26/97	0.005	0.002	<0.01	NA	7.32	0.02	0.07	<0.002	NA
0816-97-0003	6,7,8	Surface Waters, Upper Pajarito, raw	03/27/97	0.015	0.002	<0.01	NA	4.98	0.02	0.06	<0.002	NA
0816-97-0005	4,5	Surface Waters, Upper Pajarito, filtered	03/27/97	0.009	0.002	<0.01	NA	5.03	0.02	0.07	<0.002	NA
0816-97-0006	6,7,8	Surface Waters, W of Reservoir, raw	03/31/97	0.010	0.002	<0.01	NA	6.64	0.03	0.05	<0.002	NA
0816-97-0007	4,5	Surface Waters, W of Reservoir, filtered	03/31/97	<0.002		<0.01	NA	6.95	0.07	0.05	<0.002	NA
0816-97-0009	7,8,9	Surface Waters, Ice Rink, total	05/01/97	0.036	0.002	<0.002	NA	6.41	0.03	0.04	0.002	0.002
0816-97-0010	7,8,9	Surface Waters, Upper Pajarito, total	05/01/97	0.031	0.002	<0.002	NA	4.29	0.04	0.04	<0.002	NA
0816-97-0011	7,8,9	Surface Waters, W of Reservoir, total	05/01/97	0.026	0.002	<0.002	NA	5.89	0.03	0.03	<0.002	NA
0816-97-0012	3,4	Surface Waters, Ice Rink, filtered	05/01/97	0.008	0.002	<0.002	NA	6.80	0.05	0.05	0.004	0.002
0816-97-0013	3,4	Surface Waters, Upper Pajarito, filtered	05/01/97	0.008	0.002	<0.002	NA	4.49	0.02	0.05	0.002	0.002
0816-97-0014	3,4	Surface Waters, W of Reservoir, filtered	05/01/97	0.006	0.002	<0.002	NA	6.19	0.03	0.07	0.003	0.002
0816-97-1017	---	Surface Waters, Upper Pajarito, filtered	07/15/97	0.02	0.01	<0.002	NA	3.73	0.03	0.05	<0.002	NA
0816-97-1019	---	Surface Waters, Ice Rink, filtered	07/15/97	0.01	0.01	<0.002	NA	6.96	0.05	0.04	<0.002	NA
0816-97-1022	---	Surface Waters, Upper Pajarito, split, filtered	07/15/97	<0.01	NA	<0.002	NA	3.76	0.05	0.05	<0.002	NA
0816-97-1023	---	Surface Waters, W. of Reservoir, filtered	07/15/97	0.02	0.01	<0.002	NA	7.00	0.02	0.04	<0.002	NA
1R-1	NA	Ice Rink	08/05/97	0.002	0.001	<0.002	NA	7.16	0.09	0.05	<0.002	NA
1R-1R	NA	Ice Rink, unfiltered	08/05/97	<0.002	NA	0.002	0.002	7.24	0.07	0.05	<0.002	NA
1R-2	NA	Ice Rink	08/05/97	0.003	0.001	<0.002	NA	7.24	0.06	0.06	<0.002	NA
1R-2R	NA	Ice Rink, unfiltered	08/05/97	0.11	0.01	<0.002	NA	7.23	0.03	0.05	<0.002	NA
1R-3	NA	Ice Rink	08/05/97	0.002	0.001	<0.002	NA	7.29	0.06	0.07	<0.002	NA
1R-3R	NA	Ice Rink, unfiltered	08/05/97	0.096	0.001	<0.002	NA	7.22	0.05	0.05	<0.002	NA
1R-4	NA	Ice Rink	08/05/97	0.003	0.001	<0.002	NA	7.23	0.02	0.08	<0.002	NA
1R-4R	NA	Ice Rink, unfiltered	08/05/97	0.092	0.002	<0.002	NA	7.24	0.02	0.04	<0.002	NA
1R-5	NA	Ice Rink	08/05/97	0.002	0.001	<0.002	NA	7.22	0.04	0.06	<0.002	NA
1R-5R	NA	Ice Rink, unfiltered	08/05/97	0.087	0.001	<0.002	NA	7.26	0.02	0.04	<0.002	NA
1R-6	NA	Ice Rink	08/05/97	0.004	0.001	<0.002	NA	7.34	0.02	0.06	<0.002	NA
1R-6R	NA	Ice Rink, unfiltered	08/05/97	0.14	0.01	<0.002	NA	7.32	0.04	0.06	<0.002	NA

Table I-3.0-19 (continued)

CST Water Samples

Sample ID	Cont ID	Description	Date mm/dd/yy	Mn ppm	SD +/-	Mo ppm	SD +/-	Na ppm	SD +/-	NH4 ppm	Ni ppm	SD +/-
Pajarito Cyn-1	NA	Pajarito Canyon	09/10/97	0.002	0.001	<0.002	NA	4.27	0.01	0.06	<0.002	NA
Pajarito Cyn-1R	NA	Pajarito Canyon, unfiltered	09/10/97	0.10	0.01	<0.002	NA	4.11	0.01	0.07	<0.002	NA
Pajarito Cyn-2	NA	Pajarito Canyon	09/10/97	0.003	0.001	<0.002	NA	4.42	0.02	0.07	<0.002	NA
Pajarito Cyn-2R	NA	Pajarito Canyon, unfiltered	09/10/97	0.026	0.001	<0.002	NA	4.06	0.03	0.07	<0.002	NA
Pajarito Cyn-3	NA	Pajarito Canyon	09/10/97	<0.002	NA	<0.002	NA	4.34	0.03	0.06	<0.002	NA
Pajarito Cyn-3R	NA	Pajarito Canyon, unfiltered	09/10/97	0.026	0.001	<0.002	NA	4.06	0.04	0.06	<0.002	NA
Pajarito Cyn-4	NA	Pajarito Canyon	09/10/97	<0.002	NA	<0.002	NA	4.22	0.04	0.08	<0.002	NA
Pajarito Cyn-4R	NA	Pajarito Canyon, unfiltered	09/10/97	0.079	0.001	<0.002	NA	4.06	0.04	0.10	<0.002	NA
Pajarito Cyn-5	NA	Pajarito Canyon	09/10/97	0.002	0.001	<0.002	NA	3.25	0.02	0.12	<0.002	NA
Pajarito Cyn-5R	NA	Pajarito Canyon, unfiltered	09/10/97	0.35	0.01	<0.002	NA	3.67	0.02	0.12	0.004	0.002
Pajarito Cyn-6	NA	Pajarito Canyon	09/10/97	<0.002	NA	<0.002	NA	3.77	0.03	0.11	<0.002	NA
Pajarito Cyn-6R	NA	Pajarito Canyon, unfiltered	09/10/97	0.086	0.001	<0.002	NA	3.66	0.03	0.09	<0.002	NA

Table I-3.0-19 (continued)

CST Water Samples

Sample ID	Cont ID	Description	Date mm/dd/yy	NO2 ppm	NO3 ppm	OH ppm	Oxalate ppm	Pb ppm	SD +/-	pH Field	pH Lab	PO4 ppm	Rb ppm
0816-97-0001	6,7,8	Surface Waters, LA Cyn, raw	03/26/97	<0.02	0.16	---	---	0.004	0.002	---	7.20	<0.05	0.008
0816-97-0002	4,5	Surface Waters, LA Cyn, filtered	03/26/97	<0.02	0.37	---	---	0.002	0.002	---	7.46	<0.05	0.005
0816-97-0003	6,7,8	Surface Waters, Upper Pajarito, raw	03/27/97	<0.02	0.06	---	---	0.002	0.002	---	7.26	<0.05	0.008
0816-97-0005	4,5	Surface Waters, Upper Pajarito, filtered	03/27/97	<0.02	0.12	---	---	0.002	0.002	---	7.33	<0.05	0.005
0816-97-0006	6,7,8	Surface Waters, W of Reservoir, raw	03/31/97	<0.02	0.58	---	---	0.003	0.002	---	7.31	<0.05	0.008
0816-97-0007	4,5	Surface Waters, W of Reservoir, filtered	03/31/97	<0.02	0.91	---	---	<0.002	NA	---	7.31	<0.05	0.005
0816-97-0009	7,8,9	Surface Waters, Ice Rink, total	05/01/97	<0.01	0.42	---	---	<0.002	NA	---	7.31	0.08	0.007
0816-97-0010	7,8,9	Surface Waters, Upper Pajarito, total	05/01/97	<0.01	0.07	---	---	<0.002	NA	---	7.28	0.08	0.007
0816-97-0011	7,8,9	Surface Waters, W of Reservoir, total	05/01/97	<0.01	0.84	---	---	<0.002	NA	---	7.26	0.07	0.007
0816-97-0012	3,4	Surface Waters, Ice Rink, filtered	05/01/97	<0.01	0.48	---	---	<0.002	NA	---	6.97	<0.05	0.004
0816-97-0013	3,4	Surface Waters, Upper Pajarito, filtered	05/01/97	<0.01	0.14	---	---	<0.002	NA	---	7.00	0.06	0.003
0816-97-0014	3,4	Surface Waters, W of Reservoir, filtered	05/01/97	<0.01	0.93	---	---	<0.002	NA	---	6.97	<0.05	0.004
0816-97-1017	---	Surface Waters, Upper Pajarito, filtered	07/15/97	<0.01	0.96	---	---	<0.002	NA	---	7.64	0.13	0.009
0816-97-1019	---	Surface Waters, Ice Rink, filtered	07/15/97	<0.01	0.45	---	---	<0.002	NA	---	7.58	0.12	0.008
0816-97-1022	---	Surface Waters, Upper Pajarito, split, filtered	07/15/97	<0.01	0.97	---	---	<0.002	NA	---	7.42	0.14	0.004
0816-97-1023	---	Surface Waters, W. of Reservoir, filtered	07/15/97	<0.01	0.39	---	---	<0.002	NA	---	7.61	0.11	0.013
1R-1	NA	Ice Rink	08/05/97	<0.01	0.14	---	---	<0.002	NA	---	7.18	<0.02	0.006
1R-1R	NA	Ice Rink, unfiltered	08/05/97	<0.01	<0.01	---	---	<0.002	NA	---	7.17	0.03	0.005
1R-2	NA	Ice Rink	08/05/97	<0.01	0.33	---	---	<0.002	NA	---	7.02	<0.02	0.006
1R-2R	NA	Ice Rink, unfiltered	08/05/97	<0.01	<0.01	---	---	0.003	0.002	---	7.20	0.02	0.007
1R-3	NA	Ice Rink	08/05/97	<0.01	0.33	---	---	<0.002	NA	---	7.06	0.02	0.006
1R-3R	NA	Ice Rink, unfiltered	08/05/97	<0.01	<0.01	---	---	0.003	0.002	---	7.24	0.04	0.007
1R-4	NA	Ice Rink	08/05/97	<0.01	0.06	---	---	<0.002	NA	---	7.04	<0.02	0.006
1R-4R	NA	Ice Rink, unfiltered	08/05/97	<0.01	<0.01	---	---	0.002	0.002	---	7.00	0.06	0.006
1R-5	NA	Ice Rink	08/05/97	<0.01	0.06	---	---	<0.002	NA	---	6.97	<0.02	0.005
1R-5R	NA	Ice Rink, unfiltered	08/05/97	<0.01	<0.01	---	---	0.002	0.002	---	6.95	0.02	0.006
1R-6	NA	Ice Rink	08/05/97	<0.01	0.06	---	---	<0.002	NA	---	6.94	<0.02	0.005
1R-6R	NA	Ice Rink, unfiltered	08/05/97	<0.01	<0.01	---	---	0.006	0.002	---	7.02	0.03	0.007

Table I-3.0-19 (continued)

CST Water Samples

Sample ID	Cont ID	Description	Date mm/dd/yy	NO2 ppm	NO3 ppm	OH ppm	Oxalate ppm	Pb ppm	SD +/-	pH Field	pH Lab	PO4 ppm	Rb ppm
Pajarito Cyn-1	NA	Pajarito Canyon	09/10/97	<0.02	0.22	---	---	<0.002	NA	---	7.19	0.06	0.002
Pajarito Cyn-1R	NA	Pajarito Canyon, unfiltered	09/10/97	<0.02	0.39	---	---	0.004	0.002	---	7.22	0.10	0.004
Pajarito Cyn-2	NA	Pajarito Canyon	09/10/97	<0.02	0.32	---	---	<0.002	NA	---	7.25	<0.05	0.002
Pajarito Cyn-2R	NA	Pajarito Canyon, unfiltered	09/10/97	<0.02	0.20	---	---	0.003	0.002	---	7.12	<0.05	0.003
Pajarito Cyn-3	NA	Pajarito Canyon	09/10/97	<0.02	0.27	---	---	<0.002	NA	---	7.27	<0.05	<0.002
Pajarito Cyn-3R	NA	Pajarito Canyon, unfiltered	09/10/97	<0.02	0.26	---	---	0.002	0.002	---	7.17	<0.05	0.002
Pajarito Cyn-4	NA	Pajarito Canyon	09/10/97	<0.02	0.67	---	---	<0.002	NA	---	7.25	<0.05	<0.002
Pajarito Cyn-4R	NA	Pajarito Canyon, unfiltered	09/10/97	<0.02	0.51	---	---	0.006	0.002	---	7.09	<0.05	0.004
Pajarito Cyn-5	NA	Pajarito Canyon	09/10/97	<0.02	0.75	---	---	<0.002	NA	---	7.01	<0.05	0.003
Pajarito Cyn-5R	NA	Pajarito Canyon, unfiltered	09/10/97	<0.02	0.79	---	---	0.010	0.002	---	6.82	<0.05	0.022
Pajarito Cyn-6	NA	Pajarito Canyon	09/10/97	<0.02	0.81	---	---	<0.002	NA	---	7.20	<0.05	0.003
Pajarito Cyn-6R	NA	Pajarito Canyon, unfiltered	09/10/97	<0.02	0.37	---	---	0.003	0.002	---	7.02	<0.05	0.008

Table I-3.0-19 (continued)

CST Water Samples

Sample ID	Cont ID	Description	Date mm/dd/yy	Sb Ppm	SD +/-	Se ppm	SD +/-	Si ppm	SD +/-	SiO2 ppm calc	SO4 ppm
0816-97-0001	6,7,8	Surface Waters, LA Cyn, raw	03/26/97	<0.001	NA	<0.001	NA	18.3	0.3	39.2	4.41
0816-97-0002	4,5	Surface Waters, LA Cyn, filtered	03/26/97	<0.001	NA	<0.001	NA	10.3	0.2	22.0	4.39
0816-97-0003	6,7,8	Surface Waters, Upper Pajarito, raw	03/27/97	<0.001	NA	<0.001	NA	22.8	0.2	48.8	5.87
0816-97-0005	4,5	Surface Waters, Upper Pajarito, filtered	03/27/97	<0.001	NA	<0.001	NA	20.0	0.1	42.8	6.01
0816-97-0006	6,7,8	Surface Waters, W of Reservoir, raw	03/31/97	<0.001	NA	<0.001	NA	12.7	0.2	27.2	4.42
0816-97-0007	4,5	Surface Waters, W of Reservoir, filtered	03/31/97	<0.001	NA	<0.001	NA	14.8	0.2	31.7	4.54
0816-97-0009	7,8,9	Surface Waters, Ice Rink, total	05/01/97	<0.0005	NA	<0.0005	NA	19.7	0.1	42.2	4.35
0816-97-0010	7,8,9	Surface Waters, Upper Pajarito, total	05/01/97	<0.0005	NA	<0.0005	NA	23.0	0.1	49.2	5.23
0816-97-0011	7,8,9	Surface Waters, W of Reservoir, total	05/01/97	<0.0005	NA	<0.0005	NA	20.3	0.2	43.4	4.45
0816-97-0012	3,4	Surface Waters, Ice Rink, filtered	05/01/97	<0.0005	NA	<0.0005	NA	16.8	0.2	36.0	4.41
0816-97-0013	3,4	Surface Waters, Upper Pajarito, filtered	05/01/97	<0.0005	NA	<0.0005	NA	19.4	0.2	41.5	5.30
0816-97-0014	3,4	Surface Waters, W of Reservoir, filtered	05/01/97	<0.0005	NA	<0.0005	NA	15.7	0.1	33.6	4.56
0816-97-1017	---	Surface Waters, Upper Pajarito, filtered	07/15/97	<0.001	NA	<0.001	NA	18.1	0.1	38.7	2.84
0816-97-1019	---	Surface Waters, Ice Rink, filtered	07/15/97	<0.001	NA	<0.001	NA	20.0	0.1	42.8	2.78
0816-97-1022	---	Surface Waters, Upper Pajarito, split, filtered	07/15/97	<0.001	NA	<0.001	NA	17.3	0.1	37.0	2.85
0816-97-1023	---	Surface Waters, W. of Reservoir, filtered	07/15/97	<0.001	NA	<0.001	NA	19.9	0.1	42.6	3.01
1R-1	NA	Ice Rink	08/05/97	<0.0001	NA	<0.0001	NA	15.8	0.1	33.9	3.54
1R-1R	NA	Ice Rink, unfiltered	08/05/97	<0.0001	NA	0.0002	NA	21.7	0.3	46.4	3.55
1R-2	NA	Ice Rink	08/05/97	<0.0001	NA	<0.0001	NA	15.9	0.4	34.1	3.62
1R-2R	NA	Ice Rink, unfiltered	08/05/97	<0.0001	NA	0.0001	NA	20.5	0.1	43.8	3.58
1R-3	NA	Ice Rink	08/05/97	<0.0001	NA	<0.0001	NA	15.4	0.1	33.0	3.60
1R-3R	NA	Ice Rink, unfiltered	08/05/97	<0.0001	NA	0.0002	NA	21.0	0.3	44.9	3.57
1R-4	NA	Ice Rink	08/05/97	<0.0001	NA	<0.0001	NA	16.1	0.1	34.4	3.58
1R-4R	NA	Ice Rink, unfiltered	08/05/97	<0.0001	NA	0.0001	NA	20.3	0.2	43.4	3.59
1R-5	NA	Ice Rink	08/05/97	<0.0001	NA	<0.0001	NA	15.6	0.2	33.4	3.59
1R-5R	NA	Ice Rink, unfiltered	08/05/97	<0.0001	NA	0.0001	NA	20.1	0.6	43.0	3.56
1R-6	NA	Ice Rink	08/05/97	<0.0001	NA	<0.0001	NA	16.0	0.2	34.2	3.59
1R-6R	NA	Ice Rink, unfiltered	08/05/97	<0.0001	NA	0.0001	NA	23.0	0.2	49.3	3.58

Table I-3.0-19 (continued)

CST Water Samples

Sample ID	Cont ID	Description	Date mm/dd/yy	Sb Ppm	SD +/-	Se ppm	SD +/-	Si ppm	SD +/-	SiO2 ppm calc	SO4 ppm
Pajarito Cyn-1	NA	Pajarito Canyon	09/10/97	<0.0002	NA	<0.0002	NA	17.1	0.1	36.6	2.99
Pajarito Cyn-1R	NA	Pajarito Canyon, unfiltered	09/10/97	<0.0002	NA	0.0008	NA	19.9	0.2	42.6	3.03
Pajarito Cyn-2	NA	Pajarito Canyon	09/10/97	<0.0002	NA	<0.0002	NA	16.6	0.1	35.5	2.93
Pajarito Cyn-2R	NA	Pajarito Canyon, unfiltered	09/10/97	<0.0002	NA	0.0004	NA	19.2	0.2	41.1	2.98
Pajarito Cyn-3	NA	Pajarito Canyon	09/10/97	<0.0002	NA	<0.0002	NA	16.3	0.1	34.9	3.11
Pajarito Cyn-3R	NA	Pajarito Canyon, unfiltered	09/10/97	<0.0002	NA	0.0002	NA	19.0	0.1	40.7	3.05
Pajarito Cyn-4	NA	Pajarito Canyon	09/10/97	<0.0002	NA	<0.0002	NA	16.5	0.2	35.3	2.98
Pajarito Cyn-4R	NA	Pajarito Canyon, unfiltered	09/10/97	0.0004	NA	<0.0002	NA	21.8	0.1	46.7	2.86
Pajarito Cyn-5	NA	Pajarito Canyon	09/10/97	<0.0002	NA	<0.0002	NA	11.7	0.1	25.0	2.48
Pajarito Cyn-5R	NA	Pajarito Canyon, unfiltered	09/10/97	<0.0002	NA	0.0011	NA	35.0	0.5	74.9	2.33
Pajarito Cyn-6	NA	Pajarito Canyon	09/10/97	<0.0002	NA	<0.0002	NA	14.1	0.1	30.2	2.84
Pajarito Cyn-6R	NA	Pajarito Canyon, unfiltered	09/10/97	<0.0002	NA	0.0005	NA	21.1	0.1	45.2	2.64

Table I-3.0-19 (continued)

CST Water Samples

Sample ID	Cont ID	Description	Date mm/dd/yy	S2O3 ppm	Sn ppm	SD +/-	Sr ppm	SD +/-	Ti ppm	SD +/-	Tl ppm	SD +/-	U ppm
0816-97-0001	6,7,8	Surface Waters, LA Cyn, raw	03/26/97	<0.01	<0.005	NA	0.059	0.002	0.045	0.002	<0.002	NA	---
0816-97-0002	4,5	Surface Waters, LA Cyn, filtered	03/26/97	<0.01	<0.005	NA	0.058	0.002	0.026	0.002	<0.002	NA	---
0816-97-0003	6,7,8	Surface Waters, Upper Pajarito, raw	03/27/97	<0.01	<0.005	NA	0.067	0.002	0.10	0.01	<0.002	NA	---
0816-97-0005	4,5	Surface Waters, Upper Pajarito, filtered	03/27/97	<0.01	<0.005	NA	0.059	0.002	0.062	0.002	<0.002	NA	---
0816-97-0006	6,7,8	Surface Waters, W of Reservoir, raw	03/31/97	<0.01	<0.005	NA	0.058	0.002	0.057	0.002	<0.002	NA	---
0816-97-0007	4,5	Surface Waters, W of Reservoir, filtered	03/31/97	<0.01	<0.005	NA	0.31	0.01	0.010	0.002	<0.002	NA	---
0816-97-0009	7,8,9	Surface Waters, Ice Rink, total	05/01/97	<0.01	<0.005	NA	0.07	0.01	0.06	0.01	<0.002	NA	---
0816-97-0010	7,8,9	Surface Waters, Upper Pajarito, total	05/01/97	<0.01	<0.005	NA	0.07	0.01	0.06	0.01	<0.002	NA	---
0816-97-0011	7,8,9	Surface Waters, W of Reservoir, total	05/01/97	<0.01	<0.005	NA	0.06	0.01	0.04	0.01	<0.002	NA	---
0816-97-0012	3,4	Surface Waters, Ice Rink, filtered	05/01/97	<0.01	<0.005	NA	0.06	0.01	0.03	0.01	<0.002	NA	---
0816-97-0013	3,4	Surface Waters, Upper Pajarito, filtered	05/01/97	<0.01	<0.005	NA	0.06	0.01	0.05	0.01	<0.002	NA	---
0816-97-0014	3,4	Surface Waters, W of Reservoir, filtered	05/01/97	<0.01	<0.005	NA	0.06	0.01	0.03	0.01	<0.002	NA	---
0816-97-1017	---	Surface Waters, Upper Pajarito, filtered	07/15/97	<0.01	<0.005	NA	0.072	0.002	0.038	0.002	<0.002	NA	---
0816-97-1019	---	Surface Waters, Ice Rink, filtered	07/15/97	<0.01	<0.005	NA	0.069	0.002	0.009	0.002	<0.002	NA	---
0816-97-1022	---	Surface Waters, Upper Pajarito, split, filtered	07/15/97	<0.01	<0.005	NA	0.067	0.002	0.005	0.002	<0.002	NA	---
0816-97-1023	---	Surface Waters, W. of Reservoir, filtered	07/15/97	<0.01	<0.005	NA	0.067	0.002	0.006	0.002	<0.002	NA	---
1R-1	NA	Ice Rink	08/05/97	<0.01	<0.005	NA	0.075	0.002	0.007	0.002	<0.002	NA	---
1R-1R	NA	Ice Rink, unfiltered	08/05/97	<0.01	<0.005	NA	0.14	0.01	0.007	0.002	<0.002	NA	---
1R-2	NA	Ice Rink	08/05/97	<0.01	<0.005	NA	0.076	0.002	0.007	0.002	<0.002	NA	---
1R-2R	NA	Ice Rink, unfiltered	08/05/97	<0.01	<0.005	NA	0.084	0.002	0.063	0.004	<0.002	NA	---
1R-3	NA	Ice Rink	08/05/97	<0.01	<0.005	NA	0.076	0.002	0.008	0.002	<0.002	NA	---
1R-3R	NA	Ice Rink, unfiltered	08/05/97	<0.01	<0.005	NA	0.083	0.002	0.068	0.002	<0.002	NA	---
1R-4	NA	Ice Rink	08/05/97	<0.01	<0.005	NA	0.074	0.002	0.009	0.002	<0.002	NA	---
1R-4R	NA	Ice Rink, unfiltered	08/05/97	<0.01	<0.005	NA	0.083	0.002	0.064	0.002	<0.002	NA	---
1R-5	NA	Ice Rink	08/05/97	<0.01	<0.005	NA	0.078	0.002	0.008	0.002	<0.002	NA	---
1R-5R	NA	Ice Rink, unfiltered	08/05/97	<0.01	<0.005	NA	0.084	0.002	0.063	0.002	<0.002	NA	---
1R-6	NA	Ice Rink	08/05/97	<0.01	<0.005	NA	0.078	0.002	0.009	0.002	<0.002	NA	---
1R-6R	NA	Ice Rink, unfiltered	08/05/97	<0.01	<0.005	NA	0.090	0.002	0.093	0.003	<0.002	NA	---

Table I-3.0-19 (continued)

CST Water Samples

Sample ID	Cont ID	Description	Date mm/dd/yy	S2O3 ppm	Sn ppm	SD +/-	Sr ppm	SD +/-	Ti ppm	SD +/-	Tl ppm	SD +/-	U ppm
Pajarito Cyn-1	NA	Pajarito Canyon	09/10/97	<0.01	<0.005	NA	0.073	0.002	0.015	0.002	<0.002	NA	---
Pajarito Cyn-1R	NA	Pajarito Canyon, unfiltered	09/10/97	<0.01	<0.005	NA	0.087	0.002	0.047	0.002	<0.002	NA	---
Pajarito Cyn-2	NA	Pajarito Canyon	09/10/97	<0.01	<0.005	NA	0.073	0.002	0.009	0.002	<0.002	NA	---
Pajarito Cyn-2R	NA	Pajarito Canyon, unfiltered	09/10/97	<0.01	<0.005	NA	0.077	0.002	0.036	0.002	<0.002	NA	---
Pajarito Cyn-3	NA	Pajarito Canyon	09/10/97	<0.01	<0.005	NA	0.073	0.002	0.004	0.002	<0.002	NA	---
Pajarito Cyn-3R	NA	Pajarito Canyon, unfiltered	09/10/97	<0.01	<0.005	NA	0.078	0.002	0.029	0.002	<0.002	NA	---
Pajarito Cyn-4	NA	Pajarito Canyon	09/10/97	<0.01	<0.005	NA	0.072	0.002	0.006	0.002	<0.002	NA	---
Pajarito Cyn-4R	NA	Pajarito Canyon, unfiltered	09/10/97	<0.01	0.28	0.05	0.088	0.002	0.071	0.002	<0.002	NA	---
Pajarito Cyn-5	NA	Pajarito Canyon	09/10/97	<0.01	<0.005	NA	0.055	0.002	0.003	0.002	<0.002	NA	---
Pajarito Cyn-5R	NA	Pajarito Canyon, unfiltered	09/10/97	<0.01	<0.005	NA	0.10	0.01	0.25	0.01	<0.002	NA	---
Pajarito Cyn-6	NA	Pajarito Canyon	09/10/97	<0.01	<0.005	NA	0.066	0.002	0.006	0.002	<0.002	NA	---
Pajarito Cyn-6R	NA	Pajarito Canyon, unfiltered	09/10/97	<0.01	<0.005	NA	0.079	0.002	0.079	0.002	<0.002	NA	---

Table I-3.0-19 (continued)

CST Water Samples

Sample ID	Cont ID	Description	Date mm/dd/yy	V ppm	SD +/-	Zn ppm	SD +/-	TSS ppm	TDS ppm	Cation Sum	Anion Sum	Balance
0816-97-0001	6,7,8	Surface Waters, LA Cyn, raw	03/26/97	0.002	0.002	0.01	0.01	19.6	143.0	1.366	0.916	0.3942
0816-97-0002	4,5	Surface Waters, LA Cyn, filtered	03/26/97	0.002	0.002	0.02	0.01	---	118.8	1.135	0.919	0.2105
0816-97-0003	6,7,8	Surface Waters, Upper Pajarito, raw	03/27/97	0.005	0.002	<0.01	NA	33.1	147.6	1.611	0.742	0.7382
0816-97-0005	4,5	Surface Waters, Upper Pajarito, filtered	03/27/97	0.004	0.002	<0.01	NA	---	136.1	1.314	0.738	0.5610
0816-97-0006	6,7,8	Surface Waters, W of Reservoir, raw	03/31/97	0.002	0.002	<0.01	NA	23.2	125.9	1.378	0.861	0.4610
0816-97-0007	4,5	Surface Waters, W of Reservoir, filtered	03/31/97	<0.002		<0.01	NA	---	126.5	1.000	0.884	0.1232
0816-97-0009	7,8,9	Surface Waters, Ice Rink, total	05/01/97	0.004	0.002	<0.01	NA	---	135.7	1.291	0.807	0.4621
0816-97-0010	7,8,9	Surface Waters, Upper Pajarito, total	05/01/97	0.006	0.002	0.02	0.01	---	141.2	1.463	0.687	0.7224
0816-97-0011	7,8,9	Surface Waters, W of Reservoir, total	05/01/97	0.004	0.004	0.02	0.01	---	132.2	1.347	0.738	0.5845
0816-97-0012	3,4	Surface Waters, Ice Rink, filtered	05/01/97	0.002	0.002	<0.01	NA	---	129.8	1.218	0.821	0.3888
0816-97-0013	3,4	Surface Waters, Upper Pajarito, filtered	05/01/97	0.002	0.002	<0.01	NA	---	128.8	1.176	0.692	0.5182
0816-97-0014	3,4	Surface Waters, W of Reservoir, filtered	05/01/97	<0.002	NA	0.01	0.01	---	117.7	1.079	0.756	0.3518
0816-97-1017	---	Surface Waters, Upper Pajarito, filtered	07/15/97	0.003	0.002	0.07	0.01	---	129.7	1.051	0.723	0.3699
0816-97-1019	---	Surface Waters, Ice Rink, filtered	07/15/97	0.002	0.002	<0.01	NA	---	147.7	1.092	0.936	0.1537
0816-97-1022	---	Surface Waters, Upper Pajarito, split, filtered	07/15/97	0.002	0.002	<0.01	NA	---	122.8	0.835	0.711	0.1611
0816-97-1023	---	Surface Waters, W. of Reservoir, filtered	07/15/97	<0.002	NA	<0.01	NA	---	147.8	1.074	0.943	0.1293
1R-1	NA	Ice Rink	08/05/97	<0.002	NA	0.01	0.01	---	138.3	1.043	0.955	0.0877
1R-1R	NA	Ice Rink, unfiltered	08/05/97	0.012	0.001	0.06	0.01	65.4	155.1	1.085	0.959	0.1234
1R-2	NA	Ice Rink	08/05/97	<0.002	NA	<0.01	NA	---	140.7	1.068	0.978	0.0886
1R-2R	NA	Ice Rink, unfiltered	08/05/97	0.003	0.002	0.03	0.01	78.8	156.7	1.443	0.966	0.3961
1R-3	NA	Ice Rink	08/05/97	0.002	0.001	<0.01	NA	---	138.6	1.035	0.975	0.0602
1R-3R	NA	Ice Rink, unfiltered	08/05/97	<0.002	NA	0.02	0.01	65.2	157.6	1.466	0.965	0.4127
1R-4	NA	Ice Rink	08/05/97	<0.002	NA	<0.01	NA	---	141.2	1.057	0.984	0.0712
1R-4R	NA	Ice Rink, unfiltered	08/05/97	0.002	0.001	0.01	0.01	71.7	155.6	1.432	0.965	0.3895
1R-5	NA	Ice Rink	08/05/97	<0.002	NA	0.01	0.01	---	138.5	1.026	0.971	0.0543
1R-5R	NA	Ice Rink, unfiltered	08/05/97	0.002	0.001	0.01	0.01	52.9	154.8	1.427	0.966	0.3855
1R-6	NA	Ice Rink	08/05/97	<0.002	NA	0.01	0.01	---	140.9	1.062	0.977	0.0831
1R-6R	NA	Ice Rink, unfiltered	08/05/97	0.004	0.001	0.02	0.01	50.7	166.7	1.665	0.979	0.5190

Table I-3.0-19 (concluded)

CST Water Samples

Sample ID	Cont ID	Description	Date mm/dd/yy	V ppm	SD +/-	Zn ppm	SD +/-	TSS ppm	TDS ppm	Cation Sum	Anion Sum	Balance
Pajarito Cyn-1	NA	Pajarito Canyon	09/10/97	<0.002	NA	NA	NA	---	135.3	0.962	0.831	0.1469
Pajarito Cyn-1R	NA	Pajarito Canyon, unfiltered	09/10/97	0.002	0.001	<0.01	NA	53.4	149.1	1.318	0.831	0.4533
Pajarito Cyn-2	NA	Pajarito Canyon	09/10/97	0.003	0.001	<0.01	NA	---	133.0	0.947	0.823	0.1401
Pajarito Cyn-2R	NA	Pajarito Canyon, unfiltered	09/10/97	0.003	0.001	0.01	0.01	35.6	142.2	1.177	0.824	0.3525
Pajarito Cyn-3	NA	Pajarito Canyon	09/10/97	<0.002	NA	<0.01	NA	---	133.0	0.950	0.829	0.1359
Pajarito Cyn-3R	NA	Pajarito Canyon, unfiltered	09/10/97	0.002	0.001	0.01	0.01	33.1	143.1	1.172	0.827	0.3451
Pajarito Cyn-4	NA	Pajarito Canyon	09/10/97	0.002	0.001	<0.01	NA	---	133.2	0.950	0.828	0.1373
Pajarito Cyn-4R	NA	Pajarito Canyon, unfiltered	09/10/97	0.007	0.001	0.01	0.01	351	157.4	1.514	0.824	0.5901
Pajarito Cyn-5	NA	Pajarito Canyon	09/10/97	0.003	0.001	0.01	0.01	---	100.7	0.746	0.630	0.1679
Pajarito Cyn-5R	NA	Pajarito Canyon, unfiltered	09/10/97	0.015	0.002	0.04	0.01	262	200.0	3.126	0.659	1.3037
Pajarito Cyn-6	NA	Pajarito Canyon	09/10/97	<0.002	NA	<0.01	NA	---	120.5	0.885	0.749	0.1665
Pajarito Cyn-6R	NA	Pajarito Canyon, unfiltered	09/10/97	0.006	0.001	0.02	0.01	89.8	147.9	1.564	0.739	0.7168

Table I-4.0-1

Inorganic Chemicals in Deep Boreholes Tuff Samples

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Aluminum	726	mg/kg	J
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Antimony	0.37	mg/kg	UJ
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Arsenic	1.8	mg/kg	none
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Barium	8.8	mg/kg	J
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Beryllium	0.22	mg/kg	J
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Cadmium	0.074	mg/kg	U
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Calcium	1050	mg/kg	none
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Chromium, Total	0.59	mg/kg	J
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Cobalt	0.36	mg/kg	J
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Copper	4	mg/kg	J
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Cyanide, Total	1	mg/kg	U
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Iron	1370	mg/kg	J
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Lead	2.6	mg/kg	none
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Magnesium	278	mg/kg	J
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Manganese	33.6	mg/kg	none
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Mercury	0.023	mg/kg	U
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Nickel	0.62	mg/kg	J
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Potassium	239	mg/kg	J
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Selenium	0.22	mg/kg	U
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Silver	0.074	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Sodium	303	mg/kg	J
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Thallium	0.22	mg/kg	U
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Vanadium	1.7	mg/kg	J
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Zinc	6.6	mg/kg	J
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Aluminum	786	mg/kg	J
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Antimony	0.5	mg/kg	UJ
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Arsenic	0.77	mg/kg	J
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Barium	9.8	mg/kg	J

Table I-4.0-1 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Beryllium	0.27	mg/kg	J
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Cadmium	0.1	mg/kg	U
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Calcium	323	mg/kg	J
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Chromium, Total	0.54	mg/kg	J
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Cobalt	0.43	mg/kg	J
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Copper	1.4	mg/kg	J
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Cyanide, Total	1	mg/kg	U
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Iron	2410	mg/kg	J
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Lead	3.2	mg/kg	none
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Magnesium	103	mg/kg	J
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Manganese	182	mg/kg	none
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Mercury	0.025	mg/kg	U
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Nickel	0.75	mg/kg	J
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Potassium	102	mg/kg	J
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Selenium	0.3	mg/kg	U
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Silver	0.1	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Sodium	307	mg/kg	J
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Thallium	0.3	mg/kg	U
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Vanadium	1.9	mg/kg	J
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Zinc	13.8	mg/kg	J
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Aluminum	5.3	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Antimony	11	mg/kg	UJ
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Arsenic	1.5	mg/kg	J-
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Barium	8.5	mg/kg	none
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Beryllium	0.53	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Cadmium	0.53	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Calcium	3500	mg/kg	none
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Chromium, Total	2.1	mg/kg	none
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Cobalt	1.1	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Copper	3.2	mg/kg	none

Table I-4.0-1 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Cyanide, Total	0.53	mg/kg	UJ
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Iron	4000	mg/kg	none
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Lead	2.5	mg/kg	none
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Magnesium	260	mg/kg	none
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Manganese	160	mg/kg	none
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Mercury	0.11	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Nickel	2.1	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Potassium	220	mg/kg	none
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Selenium	0.53	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Silver	2.1	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Sodium	62	mg/kg	none
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Thorium	0.26	mg/kg	none
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Vanadium	2.5	mg/kg	none
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Zinc	16	mg/kg	J-
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Aluminum	630	mg/kg	none
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Antimony	11	mg/kg	UJ
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Arsenic	0.74	mg/kg	J-
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Barium	5.3	mg/kg	none
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Beryllium	0.53	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Cadmium	0.53	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Calcium	200	mg/kg	none
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Chromium, Total	1.1	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Cobalt	1.1	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Copper	1.1	mg/kg	none
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Cyanide, Total	0.53	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Iron	2100	mg/kg	none
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Lead	2.4	mg/kg	none
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Magnesium	98	mg/kg	none
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Manganese	140	mg/kg	none
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Mercury	0.11	mg/kg	U

Table I-4.0-1 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Nickel	2.1	mg/kg	none
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Potassium	96	mg/kg	none
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Selenium	0.53	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Silver	2.1	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Sodium	21	mg/kg	none
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Thorium	0.26	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Vanadium	0.84	mg/kg	none
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Zinc	10	mg/kg	J-
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Aluminum	54	mg/kg	none
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Antimony	0.36	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Arsenic	0.94	mg/kg	none
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Barium	2.9	mg/kg	J
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Beryllium	0.091	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Cadmium	0.091	mg/kg	U*
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Calcium	327	mg/kg	J
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Chromium, Total	0.18	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Cobalt	0.27	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Copper	0.48	mg/kg	J+
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Cyanide, Total	1	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Iron	456	mg/kg	none
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Lead	3	mg/kg	none
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Magnesium	45.9	mg/kg	J
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Manganese	60.4	mg/kg	J
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Mercury	0.012	mg/kg	UJ
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Nickel	0.27	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Potassium	45.7	mg/kg	J
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Selenium	0.36	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Silver	0.18	mg/kg	UJ
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Sodium	279	mg/kg	J
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Thallium	0.36	mg/kg	U

Table I-4.0-1 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Vanadium	0.33	mg/kg	J
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Zinc	15.9	mg/kg	J
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Aluminum	77	mg/kg	R
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Antimony	10	mg/kg	R
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Antimony	10	mg/kg	R
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Arsenic	0.67	mg/kg	R
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Arsenic	0.67	mg/kg	R
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Barium	2.1	mg/kg	R
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Barium	2.1	mg/kg	R
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Beryllium	0.51	mg/kg	R
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Beryllium	0.51	mg/kg	R
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Cadmium	0.51	mg/kg	R
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Cadmium	0.51	mg/kg	R
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Calcium	130	mg/kg	R
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Chromium, Total	1	mg/kg	R
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Chromium, Total	1	mg/kg	R
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Cobalt	1	mg/kg	R
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Cobalt	1	mg/kg	R
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Copper	6.6	mg/kg	R
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Copper	6.6	mg/kg	R
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Cyanide, Total	0.51	mg/kg	R
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Iron	1000	mg/kg	R
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Iron	1000	mg/kg	R
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Lead	1.5	mg/kg	R
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Lead	1.5	mg/kg	R
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Magnesium	47	mg/kg	R
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Manganese	51	mg/kg	R
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Manganese	51	mg/kg	R
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Mercury	0.1	mg/kg	R
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Nickel	2	mg/kg	R

Table I-4.0-1 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Nickel	2	mg/kg	R
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Potassium	160	mg/kg	R
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Selenium	0.51	mg/kg	R
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Selenium	0.51	mg/kg	R
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Silver	2	mg/kg	R
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Silver	2	mg/kg	R
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Sodium	26	mg/kg	R
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Thallium	0.26	mg/kg	R
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Vanadium	0.51	mg/kg	R
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Zinc	11	mg/kg	R
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Zinc	11	mg/kg	R
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Aluminum	259	mg/kg	none
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Antimony	0.74	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Arsenic	1.3	mg/kg	J
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Barium	8	mg/kg	J
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Beryllium	0.08	mg/kg	J
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Cadmium	0.06	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Calcium	449	mg/kg	J
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Chromium, Total	2.1	mg/kg	none
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Cobalt	0.36	mg/kg	J
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Copper	1.2	mg/kg	J
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Cyanide, Total	0.26	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Iron	1170	mg/kg	none
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Lead	2.4	mg/kg	none
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Magnesium	59	mg/kg	J
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Manganese	95.8	mg/kg	none
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Mercury	0.05	mg/kg	UJ
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Nickel	1.4	mg/kg	J
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Potassium	164	mg/kg	J

Table I-4.0-1 (concluded)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Selenium	0.58	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Silver	0.14	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Sodium	131	mg/kg	J
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Thallium	1.1	mg/kg	J
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Vanadium	0.82	mg/kg	J
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Zinc	7.4	mg/kg	none
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Aluminum	524	mg/kg	none
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Antimony	0.31	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Arsenic	0.54	mg/kg	J
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Barium	5.1	mg/kg	J
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Beryllium	0.19	mg/kg	J
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Cadmium	0.078	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Calcium	189	mg/kg	J
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Chromium, Total	0.17	mg/kg	J
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Cobalt	0.24	mg/kg	J
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Copper	1.3	mg/kg	J
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Cyanide, Total	0.99	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Iron	2850	mg/kg	none
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Lead	0.62	mg/kg	none
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Magnesium	33.3	mg/kg	J
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Manganese	119	mg/kg	J+
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Mercury	0.018	mg/kg	R
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Nickel	0.28	mg/kg	J
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Potassium	85.9	mg/kg	J
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Selenium	0.31	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Silver	0.31	mg/kg	J
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Sodium	86.8	mg/kg	J
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Thallium	0.31	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Vanadium	0.92	mg/kg	J
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Zinc	4.2	mg/kg	none

Table I-4.0-2
High Explosive Chemicals in Deep Boreholes Tuff Samples

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Amino-2,6-Dinitro-toluene[4-]	0.085	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Amino-4,6-Dinitro-toluene[2-]	0.083	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Dinitro-benzene[1,3-]	0.08	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Dinitro-toluene[2,4-]	0.061	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Dinitro-toluene[2,6-]	0.081	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	HMX	0.163	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Nitrobenzene	0.091	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Nitrotoluene[2-]	0.163	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Nitrotoluene[3-]	0.16	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Nitrotoluene[4-]	0.162	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	RDX	0.163	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Tetryl	0.105	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Trinitrobenzene[1,3,5-]	0.081	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Trinitrotoluene[2,4,6-]	0.085	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Amino-2,6-Dinitro-toluene[4-]	0.084	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Amino-4,6-Dinitro-toluene[2-]	0.082	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Dinitro-benzene[1,3-]	0.08	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Dinitro--toluene[2,4-]	0.06	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Dinitro--toluene[2,6-]	0.08	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	HMX	0.161	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Nitrobenzene	0.09	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Nitrotoluene[2-]	0.161	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Nitrotoluene[3-]	0.159	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Nitrotoluene[4-]	0.161	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	RDX	0.161	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Tetryl	0.104	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Trinitrobenzene[1,3,5-]	0.08	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Trinitrotoluene[2,4,6-]	0.084	mg/kg	R

Table I-4.0-2 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Amino-2,6-Dinitro--toluene[4-]	0.5	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Dinitro--benzene[1,3-]	0.25	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Dinitro--toluene[2,4-]	0.25	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Dinitro--toluene[2,6-]	0.26	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	HMX	2.2	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Nitrobenzene	0.26	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Nitrotoluene[2-]	1	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Nitrotoluene[3-]	0.5	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Nitrotoluene[4-]	1.5	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	RDX	1	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Tetryl	0.75	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Trinitrobenzene[1,3,5-]	0.25	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Trinitrotoluene[2,4,6-]	0.25	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Amino-2,6-Dinitro--toluene[4-]	0.5	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Dinitro--benzene[1,3-]	0.25	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Dinitro--toluene[2,4-]	0.25	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Dinitro--toluene[2,6-]	0.26	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	HMX	2.2	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Nitrobenzene	0.26	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Nitrotoluene[2-]	1	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Nitrotoluene[3-]	0.5	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Nitrotoluene[4-]	1.5	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	RDX	1	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Tetryl	0.75	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Trinitrobenzene[1,3,5-]	0.25	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Trinitrotoluene[2,4,6-]	0.25	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Amino-2,6-Dinitro--toluene[4-]	0.084	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Amino-4,6-Dinitro--toluene[2-]	0.082	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Dinitro--benzene[1,3-]	0.079	mg/kg	U

Table I-4.0-2 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Dinitro--toluene[2,4-]	0.058	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Dinitro--toluene[2,6-]	0.07	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	HMX	0.161	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Nitrobenzene	0.086	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Nitrotoluene[2-]	0.16	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Nitrotoluene[3-]	0.16	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Nitrotoluene[4-]	0.16	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	RDX	2.18	mg/kg	none
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Tetryl	0.104	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Trinitrobenzene[1,3,5-]	0.084	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Trinitrotoluene[2,4,6-]	0.08	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Amino-2,6-Dinitro-toluene[4-]	0.084	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Amino-4,6-Dinitro-toluene[2-]	0.082	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Dinitro-benzene[1,3-]	0.079	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Dinitro-toluene[2,4-]	0.058	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Dinitro-toluene[2,6-]	0.07	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	HMX	0.161	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Nitrobenzene	0.087	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Nitrotoluene[2-]	0.16	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Nitrotoluene[3-]	0.16	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Nitrotoluene[4-]	0.16	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	RDX	0.16	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Tetryl	0.104	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Trinitrobenzene[1,3,5-]	0.084	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Trinitrotoluene[2,4,6-]	0.08	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Amino-2,6-Dinitro-toluene[4-]	0.5	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Dinitro-benzene[1,3-]	0.25	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Dinitro-toluene[2,4-]	0.25	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Dinitro-toluene[2,6-]	0.26	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	HMX	2.2	mg/kg	U

Table I-4.0-2 (concluded)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Nitrobenzene	0.26	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Nitrotoluene[2-]	0.5	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Nitrotoluene[3-]	0.5	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Nitrotoluene[4-]	1.5	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	RDX	1	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Tetryl	0.75	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Trinitrobenzene[1,3,5-]	0.25	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Trinitrotoluene[2,4,6-]	0.25	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Amino-2,6-Dinitro-toluene[4-]	0.084	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Amino-4,6-Dinitro-toluene[2-]	0.082	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Dinitro-benzene[1,3-]	0.079	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Dinitro-toluene[2,4-]	0.058	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Dinitro-toluene[2,6-]	0.07	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	HMX	0.161	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Nitrobenzene	0.087	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Nitrotoluene[2-]	0.16	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Nitrotoluene[3-]	0.16	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Nitrotoluene[4-]	0.16	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	RDX	0.16	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Tetryl	0.104	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Trinitrobenzene[1,3,5-]	0.084	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Trinitrotoluene[2,4,6-]	0.08	mg/kg	U

Table I-4.0-3

Volatile Chemicals in Deep Boreholes Tuff Samples

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Acetone	0.13	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Acetonitrile	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Acrolein	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Acrylonitrile	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Benzene	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Bromobenzene	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	BromoChloro-methane	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Bromodichloro-methane	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Bromoform	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Bromomethane	0.011	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Butanone[2-]	0.022	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Butyl-benzene[n-]	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Butyl-benzene[sec-]	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Butyl-benzene[tert-]	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Carbon Disulfide	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Carbon Tetrachloride	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Chloro-benzene	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Chloro-Dibromo-methane	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Chloro-ethane	0.022	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Chloro-ethylvinyl[2-] Ether	0.022	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Chloro-form	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Chloro-methane	0.011	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Chloro-toluene[2-]	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Chloro-toluene[4-]	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Dibromo-3-Chloro-propane[1,2-]	0.011	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Dibromo-ethane[1,2-]	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Dibromo-methane	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	DiChloro-benzene[1,2-]	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	DiChloro-benzene[1,3-]	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	DiChloro-benzene[1,4-]	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	DiChloro-difluoro--methane	0.002	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	DiChloro-ethane[1,1-]	0.005	mg/kg	R

Table I-4.0-3 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	DiChloro-ethane[1,2-]	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	DiChloro-ethene[1,1-]	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	DiChloro-ethene [cis-1,2-]	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	DiChloro-ethene[trans-1,2-]	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	DiChloro-propane[1,2-]	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	DiChloro-propane[1,3-]	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	DiChloro-propane[2,2-]	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	DiChloro-propene[1,1-]	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	DiChloro-propene[cis-1,3-]	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	DiChloro-propene[trans-1,3-]	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Ethylbenzene	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Hexanone[2-]	0.022	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Iodomethane	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Isopropylbenzene	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Isopropyltoluene[4-]	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Methyl- tert-Butyl- Ether	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Methyl--2-pentanone[4-]	0.022	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Methyl-ene Chloride	0.003	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Propylbenzene[1-]	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Styrene	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	TetraChloro-ethane[1,1,1,2-]	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	TetraChloro-ethane[1,1,2,2-]	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	TetraChloro-ethene	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Toluene	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	TriChloro--1,2,2-trifluoroethane[1,1,2-]	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	TriChloro-ethane[1,1,1-]	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	TriChloro-ethane[1,1,2-]	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	TriChloro-ethene	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	TriChloro-fluoromethane	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	TriChloro-propane[1,2,3-]	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Trimethylbenzene[1,2,4-]	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Trimethylbenzene[1,3,5-]	0.005	mg/kg	R

Table I-4.0-3 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Vinyl Acetate	0.011	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Vinyl Chloride	0.011	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Xylene (Total)	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Acetone	0.045	mg/kg	J-
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Acetonitrile	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Acrolein	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Acrylonitrile	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Benzene	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Bromobenzene	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	BromoChloro-methane	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	BromodiChloro-methane	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Bromoform	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Bromomethane	0.01	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Butanone[2-]	0.021	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Butyl-benzene[n-]	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Butyl-benzene[sec-]	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Butyl-benzene[tert-]	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Carbon Disulfide	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Carbon Tetrachloride	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Chloro-benzene	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Chloro-Dibromo-methane	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Chloro-ethane	0.01	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Chloro-ethylvinyl[2-] Ether	0.021	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Chloro-form	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Chloro-methane	0.01	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Chloro-toluene[2-]	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Chloro-toluene[4-]	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Dibromo--3-Chloro-propane[1,2-]	0.01	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Dibromo-ethane[1,2-]	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Dibromo-methane	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	DiChloro-benzene[1,2-]	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	DiChloro-benzene[1,3-]	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	DiChloro-benzene[1,4-]	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	DiChloro-difluoro--methane	0.01	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	DiChloro-ethane[1,1-]	0.005	mg/kg	R

Table I-4.0-3 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	DiChloro-ethane[1,2-]	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	DiChloro-ethene[1,1-]	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	DiChloro-ethene[cis-1,2-]	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	DiChloro-ethene[trans-1,2-]	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	DiChloro-propane[1,2-]	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	DiChloro-propane[1,3-]	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	DiChloro-propane[2,2-]	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	DiChloro-propene[1,1-]	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	DiChloro-propene[cis-1,3-]	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	DiChloro-propene[trans-1,3-]	0.0052	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Ethylbenzene	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Hexanone[2-]	0.021	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Iodomethane	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Isopropylbenzene	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Isopropyltoluene[4-]	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Methyl- tert-Butyl- Ether	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Methyl--2-pentanone[4-]	0.021	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Methyl-ene Chloride	0.003	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Propylbenzene[1-]	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Styrene	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	TetraChloro-ethane[1,1,1,2-]	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	TetraChloro-ethane[1,1,2,2-]	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	TetraChloro-ethene	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Toluene	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	TriChloro--1,2,2-trifluoroethane[1,1,2-]	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	TriChloro-ethane[1,1,1-]	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	TriChloro-ethane[1,1,2-]	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	TriChloro-ethene	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	TriChloro-fluoromethane	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	TriChloro-propane[1,2,3-]	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Trimethylbenzene[1,2,4-]	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Trimethylbenzene[1,3,5-]	0.005	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Vinyl Acetate	0.01	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Vinyl Chloride	0.01	mg/kg	R

Table I-4.0-3 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Xylene (Total)	0.005	mg/kg	R
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Acetone	0.35	mg/kg	none
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Benzene	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Bromobenzene	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	BromoChloro-methane	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	BromodiChloro-methane	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Bromoform	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Bromomethane	0.011	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Butanone[2-]	0.021	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Butyl-benzene[n-]	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Butyl-benzene[sec-]	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Butyl-benzene[tert-]	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Carbon Disulfide	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Carbon Tetrachloride	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Chloro-benzene	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Chloro-Dibromo-methane	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Chloro-ethane	0.011	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Chloro-form	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Chloro-methane	0.011	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Chloro-toluene[2-]	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Chloro-toluene[4-]	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Dibromo--3-Chloro-propane[1,2-]	0.011	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Dibromo-ethane[1,2-]	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Dibromo-methane	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	DiChloro-benzene[1,2-]	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	DiChloro-benzene[1,3-]	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	DiChloro-benzene[1,4-]	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	DiChloro-difluoro--methane	0.011	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	DiChloro-ethane[1,1-]	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	DiChloro-ethane[1,2-]	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	DiChloro-ethene[1,1-]	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	DiChloro-ethene[cis-1,2-]	0.011	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	DiChloro-ethene[trans-1,2-]	0.011	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	DiChloro-propane[1,2-]	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	DiChloro-propane[1,3-]	0.0053	mg/kg	U

Table I-4.0-3 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	DiChloro-propane[2,2-]	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	DiChloro-propene[1,1-]	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	DiChloro-propene[cis-1,3-]	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	DiChloro-propene[trans-1,3-]	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Ethylbenzene	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Hexanone[2-]	0.021	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Iodomethane	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Isopropylbenzene	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Isopropyltoluene[4-]	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Methyl--2-pentanone[4-]	0.021	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Methyl-ene Chloride	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Propylbenzene[1-]	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Styrene	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	TetraChloro-ethane[1,1,1,2-]	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	TetraChloro-ethane[1,1,2,2-]	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	TetraChloro-ethene	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Toluene	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	TriChloro--1,2,2-trifluoroethane[1,1,2-]	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	TriChloro-ethane[1,1,1-]	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	TriChloro-ethane[1,1,2-]	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	TriChloro-ethene	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	TriChloro-fluoromethane	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	TriChloro-propane[1,2,3-]	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Trimethylbenzene[1,2,4-]	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Trimethylbenzene[1,3,5-]	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Vinyl Chloride	0.011	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Xylene (Total)	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Acetone	0.021	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Benzene	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Bromobenzene	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	BromoChloro-methane	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	BromodiChloro-methane	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Bromoform	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Bromomethane	0.011	mg/kg	U

Table I-4.0-3 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Butanone[2-]	0.021	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Butyl-benzene[n-]	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Butyl-benzene[sec-]	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Butyl-benzene[tert-]	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Carbon Disulfide	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Carbon Tetrachloride	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Chloro-benzene	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Chloro-Dibromo-methane	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Chloro-ethane	0.011	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Chloro-form	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Chloro-methane	0.011	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Chloro-toluene[2-]	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Chloro-toluene[4-]	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Dibromo--3-Chloro-propane[1,2-]	0.011	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Dibromo-ethane[1,2-]	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Dibromo-methane	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	DiChloro-benzene[1,2-]	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	DiChloro-benzene[1,3-]	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	DiChloro-benzene[1,4-]	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	DiChloro-difluoro--methane	0.011	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	DiChloro-ethane[1,1-]	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	DiChloro-ethane[1,2-]	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	DiChloro-ethene[1,1-]	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	DiChloro-ethene[cis-1,2-]	0.011	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	DiChloro-ethene[trans-1,2-]	0.011	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	DiChloro-propane[1,2-]	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	DiChloro-propane[1,3-]	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	DiChloro-propane[2,2-]	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	DiChloro-propene[1,1-]	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	DiChloro-propene[cis-1,3-]	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	DiChloro-propene[trans-1,3-]	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Ethylbenzene	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Hexanone[2-]	0.021	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Iodomethane	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Isopropylbenzene	0.0053	mg/kg	U

Table I-4.0-3 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Isopropyltoluene[4-]	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Methyl--2-pentanone[4-]	0.021	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Methyl-ene Chloride	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Propylbenzene[1-]	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Styrene	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	TetraChloro-ethane[1,1,1,2-]	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	TetraChloro-ethane[1,1,2,2-]	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	TetraChloro-ethene	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Toluene	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	TriChloro--1,2,2-trifluoroethane[1,1,2-]	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	TriChloro-ethane[1,1,1-]	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	TriChloro-ethane[1,1,2-]	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	TriChloro-ethene	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	TriChloro-fluoromethane	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	TriChloro-propane[1,2,3-]	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Trimethylbenzene[1,2,4-]	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Trimethylbenzene[1,3,5-]	0.0053	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Vinyl Chloride	0.011	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Xylene (Total)	0.0053	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Acetone	0.002	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Acetonitrile	0.005	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Acrolein	0.005	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Acrylonitrile	0.005	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Benzene	0.005	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Bromobenzene	0.005	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	BromoChloro-methane	0.005	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	BromodiChloro-methane	0.005	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Bromoform	0.005	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Bromomethane	0.01	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Butanone[2-]	0.021	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Butyl-benzene[n-]	0.005	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Butyl-benzene[sec-]	0.005	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Butyl-benzene[tert-]	0.005	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Carbon Disulfide	0.005	mg/kg	U

Table I-4.0-3 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Carbon Tetrachloride	0.005	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Chloro-benzene	0.005	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Chloro-Dibromo-methane	0.005	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Chloro-ethane	0.01	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Chloro-ethylvinyl[2-] Ether	0.021	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Chloro-form	0.005	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Chloro-methane	0.01	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Chloro-toluene[2-]	0.005	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Chloro-toluene[4-]	0.005	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Dibromo--3-Chloro-propane[1,2-]	0.01	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Dibromo-ethane[1,2-]	0.005	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Dibromo-methane	0.005	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	DiChloro-benzene[1,2-]	0.005	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	DiChloro-benzene[1,3-]	0.005	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	DiChloro-benzene[1,4-]	0.005	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	DiChloro-difluoro--methane	0.01	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	DiChloro-ethane[1,1-]	0.005	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	DiChloro-ethane[1,2-]	0.005	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	DiChloro-ethene[1,1-]	0.005	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	DiChloro-ethene[cis-1,2-]	0.005	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	DiChloro-ethene[trans-1,2-]	0.005	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	DiChloro-propane[1,2-]	0.005	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	DiChloro-propane[1,3-]	0.005	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	DiChloro-propane[2,2-]	0.005	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	DiChloro-propene[1,1-]	0.005	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	DiChloro-propene[cis-1,3-]	0.005	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	DiChloro-propene[trans-1,3-]	0.005	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Ethylbenzene	0.005	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Hexanone[2-]	0.021	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Iodomethane	0.005	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Isopropylbenzene	0.005	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Isopropyltoluene[4-]	0.005	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Methyl- tert-Butyl- Ether	0.005	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Methyl--2-pentanone[4-]	0.021	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Methyl-ene Chloride	0.004	mg/kg	U

Table I-4.0-3 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Propylbenzene[1-]	0.005	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Styrene	0.005	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	TetraChloro-ethane[1,1,1,2-]	0.005	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	TetraChloro-ethane[1,1,2,2-]	0.005	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	TetraChloro-ethene	0.005	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Toluene	0.005	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	TriChloro--1,2,2-trifluoroethane[1,1,2-]	0.005	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	TriChloro-ethane[1,1,1-]	0.005	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	TriChloro-ethane[1,1,2-]	0.005	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	TriChloro-ethene	0.005	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	TriChloro-fluoromethane	0.005	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	TriChloro-propane[1,2,3-]	0.005	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Trimethylbenzene[1,2,4-]	0.005	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Trimethylbenzene[1,3,5-]	0.005	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Vinyl Acetate	0.01	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Vinyl Chloride	0.01	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Xylene (Total)	0.005	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Acetone	0.043	mg/kg	none
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Benzene	0.0052	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Bromobenzene	0.0052	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	BromoChloro-methane	0.0052	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	BromodiChloro-methane	0.0052	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Bromoform	0.0052	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Bromomethane	0.01	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Butanone[2-]	0.021	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Butyl-benzene[n-]	0.0052	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Butyl-benzene[sec-]	0.0052	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Butyl-benzene[tert-]	0.0052	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Carbon Disulfide	0.0052	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Carbon Tetrachloride	0.0052	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Chloro-benzene	0.0052	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Chloro-Dibromo-methane	0.0052	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Chloro-ethane	0.01	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Chloro-form	0.0052	mg/kg	U

Table I-4.0-3 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Chloro-methane	0.01	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Chloro-toluene[2-]	0.0052	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Chloro-toluene[4-]	0.0052	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Dibromo--3-Chloro-propane[1,2-]	0.01	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Dibromo-ethane[1,2-]	0.0052	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Dibromo-methane	0.0052	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	DiChloro-benzene[1,2-]	0.0052	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	DiChloro-benzene[1,3-]	0.0052	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	DiChloro-benzene[1,4-]	0.0052	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	DiChloro-difluoro--methane	0.01	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	DiChloro-ethane[1,1-]	0.0052	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	DiChloro-ethane[1,2-]	0.0052	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	DiChloro-ethene[1,1-]	0.0052	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	DiChloro-ethene[cis-1,2-]	0.01	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	DiChloro-ethene[trans-1,2-]	0.01	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	DiChloro-propane[1,2-]	0.0052	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	DiChloro-propane[1,3-]	0.0052	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	DiChloro-propane[2,2-]	0.0052	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	DiChloro-propene[1,1-]	0.0052	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	DiChloro-propene[cis-1,3-]	0.0052	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	DiChloro-propene[trans-1,3-]	0.0052	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Ethylbenzene	0.0052	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Hexanone[2-]	0.021	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Iodomethane	0.0052	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Isopropylbenzene	0.0052	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Isopropyltoluene[4-]	0.0052	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Methyl--2-pentanone[4-]	0.021	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Methyl-ene Chloride	0.0052	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Propylbenzene[1-]	0.0052	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Styrene	0.0052	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	TetraChloro-ethane[1,1,1,2-]	0.0052	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	TetraChloro-ethane[1,1,2,2-]	0.0052	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	TetraChloro-ethene	0.0052	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Toluene	0.0052	mg/kg	U

Table I-4.0-3 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	TriChloro--1,2,2-trifluoroethane[1,1,2-]	0.0052	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	TriChloro-ethane[1,1,1-]	0.0052	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	TriChloro-ethane[1,1,2-]	0.0052	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	TriChloro-ethene	0.0052	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	TriChloro-fluoromethane	0.0052	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	TriChloro-propane[1,2,3-]	0.0052	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Trimethylbenzene[1,2,4-]	0.0052	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Trimethylbenzene[1,3,5-]	0.0052	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Vinyl Chloride	0.01	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Xylene (Total)	0.0052	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Acetone	0.036	mg/kg	J
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Benzene	0.005	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Bromobenzene	0.005	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	BromoChloro-methane	0.005	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	BromodiChloro-methane	0.005	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Bromoform	0.005	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Bromomethane	0.01	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Butanone[2-]	0.02	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Butyl-benzene[n-]	0.005	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Butyl-benzene[sec-]	0.005	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Butyl-benzene[tert-]	0.005	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Carbon Disulfide	0.005	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Carbon Tetrachloride	0.005	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Chloro-benzene	0.005	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Chloro-Dibromo-methane	0.005	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Chloro-ethane	0.01	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Chloro-form	0.005	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Chloro-methane	0.01	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Chloro-toluene[2-]	0.005	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Chloro-toluene[4-]	0.005	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Dibromo--3-Chloro-propane[1,2-]	0.01	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Dibromo-ethane[1,2-]	0.005	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Dibromo-methane	0.005	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	DiChloro-benzene[1,2-]	0.005	mg/kg	U

Table I-4.0-3 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	DiChloro-benzene[1,3-]	0.005	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	DiChloro-benzene[1,4-]	0.005	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	DiChloro-difluoro--methane	0.01	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	DiChloro-ethane[1,1-]	0.005	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	DiChloro-ethane[1,2-]	0.005	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	DiChloro-ethene[1,1-]	0.005	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	DiChloro-ethene[cis-1,2-]	0.005	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	DiChloro-ethene[trans-1,2-]	0.005	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	DiChloro-propane[1,2-]	0.005	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	DiChloro-propane[1,3-]	0.005	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	DiChloro-propane[2,2-]	0.005	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	DiChloro-propene[1,1-]	0.005	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	DiChloro-propene[cis-1,3-]	0.005	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	DiChloro-propene[trans-1,3-]	0.005	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Ethylbenzene	0.005	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Hexanone[2-]	0.02	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Iodomethane	0.005	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Isopropylbenzene	0.005	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Isopropyltoluene[4-]	0.005	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Methyl--2-pentanone[4-]	0.02	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Methyl-ene Chloride	0.007	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Propylbenzene[1-]	0.005	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Styrene	0.005	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	TetraChloro-ethane[1,1,1,2-]	0.005	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	TetraChloro-ethane[1,1,2,2-]	0.005	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	TetraChloro-ethene	0.005	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Toluene	0.005	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	TriChloro--1,2,2-trifluoroethane[1,1,2-]	0.002	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	TriChloro-ethane[1,1,1-]	0.005	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	TriChloro-ethane[1,1,2-]	0.005	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	TriChloro-ethene	0.005	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	TriChloro-fluoromethane	0.005	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	TriChloro-propane[1,2,3-]	0.005	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Trimethylbenzene[1,2,4-]	0.005	mg/kg	U

Table I-4.0-3 (concluded)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Trimethylbenzene[1,3,5-]	0.005	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Vinyl Chloride	0.01	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Xylene (Total)	0.005	mg/kg	U

Table I-4.0-04

Semivolatile Chemicals in Deep Boreholes Tuff Samples

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Acenaphthene	0.36	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Acenaphthylene	0.36	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Aniline	0.72	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Anthracene	0.36	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Azobenzene	0.72	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Benzo(a)-anthracene	0.36	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Benzo(a)-pyrene	0.36	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Benzo(b)-fluoranthene	0.36	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Benzo(g,h,i)-perylene	0.36	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Benzo(k)fluoranthene	0.36	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Benzoic Acid	3.6	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Benzyl Alcohol	1.4	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Bis(2-Chloro-ethoxy)methane	0.36	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Bis(2-Chloro-ethyl)ether	0.36	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Bis(2-ethylhexyl)phthalate	0.36	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Bromophenyl-phenylether[4-]	0.36	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Butyl-benzylphthalate	0.36	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Carbazole	0.36	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Chloro—3-methylphenol[4-]	0.72	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Chloro-aniline[4-]	1.4	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Chloro-naphthalene[2-]	0.36	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Chloro-phenol[2-]	0.36	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Chloro-phenyl-phenyl[4-] Ether	0.36	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Chrysene	0.36	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Dibenz(a,h)anthracene	0.36	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Dibenzofuran	0.36	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	DiChloro-benzene[1,2-]	0.36	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	DiChloro-benzene[1,3-]	0.36	mg/kg	R

Table I-4.0-04 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	DiChloro-benzene[1,4-]	0.36	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	DiChloro-benzidine[3,3'-]	0.72	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	DiChloro-phenol[2,4-]	0.36	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Diethyl-phthalate	0.36	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Dimethyl Phthalate	0.36	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Dimethylphenol[2,4-]	0.36	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Di-n-Butyl-phthalate	0.36	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Dinitro--2-methylphenol[4,6-]	1.7	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Dinitro-phenol[2,4-]	1.7	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Dinitro-toluene[2,4-]	0.36	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Dinitro-toluene[2,6-]	0.36	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Di-n-octylphthalate	0.36	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Fluoranthene	0.36	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Fluorene	0.36	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	HexaChloro-benzene	0.36	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	HexaChloro-butadiene	0.36	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	HexaChloro-cyclopentadiene	0.36	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	HexaChloro-ethane	0.36	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Indeno(1,2,3-cd)pyrene	0.36	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Isophorone	0.36	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Methyl-naphthalene[2-]	0.36	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Methyl-phenol[2-]	0.36	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Methyl-phenol[4-]	0.36	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Naphthalene	0.36	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Nitroaniline[2-]	1.7	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Nitroaniline[3-]	1.7	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Nitroaniline[4-]	0.65	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Nitrobenzene	0.36	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Nitrophenol[2-]	0.36	mg/kg	R

Table I-4.0-04 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Nitrophenol[4-]	1.7	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Nitrosodimethylamine[N-]	0.36	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Nitroso-di-n-propylamine[N-]	0.36	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Nitrosodiphenylamine[N-]	0.36	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Oxybis(1-Chloro-propane)[2,2'-]	0.36	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	PentaChloro-phenol	1.7	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Phenanthrene	0.36	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Phenol	0.36	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	Pyrene	0.36	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	TriChloro-benzene[1,2,4-]	0.36	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	TriChloro-phenol[2,4,5-]	1.7	mg/kg	R
16-021(c)	16-2665	0316-97-0415	19.5	20	FT	QBT4	TriChloro-phenol[2,4,6-]	0.36	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Acenaphthene	0.34	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Acenaphthylene	0.34	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Aniline	0.69	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Anthracene	0.34	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Azobenzene	0.69	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Benzo(a)-anthracene	0.34	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Benzo(a)-pyrene	0.34	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Benzo(b)-fluoranthene	0.34	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Benzo(g,h,i)-perylene	0.34	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Benzo(k)fluoranthene	0.34	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Benzoic Acid	3.4	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Benzyl Alcohol	1.4	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Bis(2-Chloro-ethoxy)methane	0.34	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Bis(2-Chloro-ethyl)ether	0.34	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Bis(2-ethylhexyl)phthalate	0.34	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Bromophenyl-phenylether[4-]	0.34	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Butyl-benzylphthalate	0.34	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Carbazole	0.34	mg/kg	R

Table I-4.0-04 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Chloro--3-methylphenol[4-]	0.69	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Chloro-aniline[4-]	1.4	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Chloro-naphthalene[2-]	0.34	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Chloro-phenol[2-]	0.34	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Chloro-phenyl-phenyl[4-] Ether	0.34	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Chrysene	0.34	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Dibenz(a,h)anthracene	0.34	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Dibenzofuran	0.34	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	DiChloro-benzene[1,2-]	0.34	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	DiChloro-benzene[1,3-]	0.34	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	DiChloro-benzene[1,4-]	0.34	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	DiChloro-benzidine[3,3'-]	0.69	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	DiChloro-phenol[2,4-]	0.34	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Diethylphthalate	0.34	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Dimethyl Phthalate	0.34	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Dimethylphenol[2,4-]	0.34	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Di-n-Butyl-phthalate	0.34	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Dinitro--2-methylphenol[4,6-]	1.7	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Dinitro-phenol[2,4-]	1.7	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Dinitro-toluene[2,4-]	0.34	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Dinitro-toluene[2,6-]	0.34	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Di-n-octylphthalate	0.34	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Fluoranthene	0.34	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Fluorene	0.34	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	HexaChloro-benzene	0.34	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	HexaChloro-butadiene	0.34	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	HexaChloro-cyclopentadiene	0.34	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	HexaChloro-ethane	0.34	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Indeno(1,2,3-cd)pyrene	0.34	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Isophorone	0.34	mg/kg	R

Table I-4.0-04 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Methyl-naphthalene[2-]	0.34	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Methyl-phenol[2-]	0.34	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Methyl-phenol[4-]	0.34	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Naphthalene	0.34	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Nitroaniline[2-]	1.7	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Nitroaniline[3-]	1.7	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Nitroaniline[4-]	0.63	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Nitrobenzene	0.34	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Nitrophenol[2-]	0.34	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Nitrophenol[4-]	1.7	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Nitrosodimethylamine[N-]	0.34	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Nitroso-di-n-propylamine[N-]	0.34	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Nitrosodiphenylamine[N-]	0.34	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Oxybis(1-Chloro-propane)[2,2'-]	0.34	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	PentaChloro-phenol	1.7	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Phenanthrene	0.34	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Phenol	0.34	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	Pyrene	0.34	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	TriChloro-benzene[1,2,4-]	0.34	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	TriChloro-phenol[2,4,5-]	1.7	mg/kg	R
16-021(c)	16-2665	0316-97-0416	124.5	125	FT	QBT4	TriChloro-phenol[2,4,6-]	0.34	mg/kg	R
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Acenaphthene	0.35	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Acenaphthylene	0.35	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Aniline	0.69	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Anthracene	0.35	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Azobenzene	0.69	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Benzo(a)-anthracene	0.35	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Benzo(a)-pyrene	0.35	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Benzo(b)-fluoranthene	0.35	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Benzo(g,h,i)-perylene	0.35	mg/kg	U

Table I-4.0-04 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Benzo(k)fluoranthene	0.35	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Benzoic Acid	3.5	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Benzyl Alcohol	1.4	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Bis(2-Chloro-ethoxy)methane	0.35	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Bis(2-Chloro-ethyl)ether	0.35	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Bis(2-ethylhexyl)phthalate	0.35	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Bromophenyl-phenylether[4-]	0.35	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Butyl-benzylphthalate	0.35	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Chloro--3-methylphenol[4-]	0.69	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Chloro-aniline[4-]	1.4	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Chloro-naphthalene[2-]	0.35	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Chloro-phenol[2-]	0.35	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Chloro-phenyl-phenyl[4-] Ether	0.35	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Chrysene	0.35	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Dibenz(a,h)anthracene	0.35	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Dibenzofuran	0.35	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	DiChloro-benzene[1,2-]	0.35	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	DiChloro-benzene[1,3-]	0.35	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	DiChloro-benzene[1,4-]	0.35	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	DiChloro-benzidine[3,3'-]	0.69	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	DiChloro-phenol[2,4-]	0.35	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Diethylphthalate	0.35	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Dimethyl Phthalate	0.35	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Dimethylphenol[2,4-]	0.35	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Di-n-Butyl-phthalate	0.35	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Dinitro--2-methylphenol[4,6-]	1.7	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Dinitro-phenol[2,4-]	1.7	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Dinitro-toluene[2,4-]	0.35	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Dinitro-toluene[2,6-]	0.35	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Di-n-octylphthalate	0.35	mg/kg	U

Table I-4.0-04 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Fluoranthene	0.35	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Fluorene	0.35	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	HexaChloro-benzene	0.35	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	HexaChloro-butadiene	0.35	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	HexaChloro-cyclopentadiene	0.35	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	HexaChloro-ethane	0.35	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Indeno(1,2,3-cd)pyrene	0.35	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Isophorone	0.35	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Methyl-naphthalene[2-]	0.35	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Methyl-phenol[2-]	0.35	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Methyl-phenol[4-]	0.35	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Naphthalene	0.35	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Nitroaniline[2-]	1.7	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Nitroaniline[3-]	1.7	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Nitroaniline[4-]	0.69	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Nitrobenzene	0.35	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Nitrophenol[2-]	0.35	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Nitrophenol[4-]	1.7	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Nitrosodimethylamine[N-]	0.35	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Nitroso-di-n-propylamine[N-]	0.35	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Nitrosodiphenylamine[N-]	0.35	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Oxybis(1-Chloro-propane)[2,2'-]	0.35	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	PentaChloro-phenol	1.7	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Phenanthrene	0.35	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Phenol	0.35	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	Pyrene	0.35	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	TriChloro-benzene[1,2,4-]	0.35	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	TriChloro-phenol[2,4,5-]	1.7	mg/kg	U
16-021(c)	16-2667	0316-97-0421	124.5	125.5	FT	QBT4	TriChloro-phenol[2,4,6-]	0.35	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Acenaphthene	0.021	mg/kg	U

Table I-4.0-04 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Acenaphthylene	0.021	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Aniline	0.043	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Anthracene	0.021	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Azobenzene	0.043	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Benzo(a)-anthracene	0.021	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Benzo(a)-pyrene	0.021	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Benzo(b)-fluoranthene	0.021	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Benzo(g,h,i)-perylene	0.021	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Benzo(k)fluoranthene	0.021	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Benzoic Acid	0.21	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Benzyl Alcohol	0.084	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Bis(2-Chloro-ethoxy)methane	0.021	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Bis(2-Chloro-ethyl)ether	0.021	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Bis(2-ethylhexyl)phthalate	0.19	mg/kg	none
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Bromophenyl-phenylether[4-]	0.021	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Butyl-benzylphthalate	0.021	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Chloro--3-methylphenol[4-]	0.043	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Chloro-aniline[4-]	0.084	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Chloro-naphthalene[2-]	0.021	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Chloro-phenol[2-]	0.021	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Chloro-phenyl-phenyl[4-] Ether	0.021	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Chrysene	0.021	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Dibenz(a,h)anthracene	0.021	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Dibenzofuran	0.021	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	DiChloro-benzene[1,2-]	0.021	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	DiChloro-benzene[1,3-]	0.021	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	DiChloro-benzene[1,4-]	0.021	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	DiChloro-benzidine[3,3'-]	0.043	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	DiChloro-phenol[2,4-]	0.021	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Diethylphthalate	0.021	mg/kg	U

Table I-4.0-04 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Dimethyl Phthalate	0.021	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Dimethylphenol[2,4-]	0.021	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Di-n-Butyl-phthalate	0.021	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Dinitro--2-methylphenol[4,6-]	0.1	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Dinitro-phenol[2,4-]	0.1	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Dinitro-toluene[2,4-]	0.021	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Dinitro-toluene[2,6-]	0.021	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Di-n-octylphthalate	0.021	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Fluoranthene	0.021	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Fluorene	0.021	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	HexaChloro-benzene	0.021	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	HexaChloro-butadiene	0.021	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	HexaChloro-cyclopentadiene	0.021	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	HexaChloro-ethane	0.021	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Indeno(1,2,3-cd)pyrene	0.021	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Isophorone	0.021	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Methyl-naphthalene[2-]	0.021	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Methyl-phenol[2-]	0.021	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Methyl-phenol[4-]	0.021	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Naphthalene	0.021	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Nitroaniline[2-]	0.1	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Nitroaniline[3-]	0.1	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Nitroaniline[4-]	0.043	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Nitrobenzene	0.021	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Nitrophenol[2-]	0.021	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Nitrophenol[4-]	0.021	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Nitrosodimethylamine[N-]	0.021	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Nitroso-di-n-propylamine[N-]	0.021	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Nitrosodiphenylamine[N-]	0.021	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Oxybis(1-Chloro-propane)[2,2'-]	0.021	mg/kg	U

Table I-4.0-04 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	PentaChloro-phenol	0.1	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Phenanthrene	0.021	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Phenol	0.021	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	Pyrene	0.021	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	TriChloro-benzene[1,2,4-]	0.021	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	TriChloro-phenol[2,4,5-]	0.1	mg/kg	U
16-021(c)	16-2667	0316-97-0422	200	204.2	FT	QBT4	TriChloro-phenol[2,4,6-]	0.021	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Acenaphthene	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Acenaphthylene	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Aniline	0.69	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Anthracene	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Azobenzene	0.69	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Benzo(a)-anthracene	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Benzo(a)-pyrene	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Benzo(b)-fluoranthene	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Benzo(g,h,i)-perylene	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Benzo(k)fluoranthene	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Benzoic Acid	3.4	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Benzyl Alcohol	1.4	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Bis(2-Chloro-ethoxy)methane	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Bis(2-Chloro-ethyl)ether	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Bis(2-ethylhexyl)phthalate	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Bromophenyl-phenylether[4-]	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Butyl-benzylphthalate	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Carbazole	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Chloro--3-methylphenol[4-]	0.69	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Chloro-aniline[4-]	1.4	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Chloro-naphthalene[2-]	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Chloro-phenol[2-]	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Chloro-phenyl-phenyl[4-] Ether	0.34	mg/kg	U

Table I-4.0-04 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Chrysene	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Dibenz(a,h)anthracene	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Dibenzofuran	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	DiChloro-benzene[1,2-]	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	DiChloro-benzene[1,3-]	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	DiChloro-benzene[1,4-]	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	DiChloro-benzidine[3,3'-]	0.69	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	DiChloro-phenol[2,4-]	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Diethylphthalate	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Dimethyl Phthalate	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Dimethylphenol[2,4-]	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Di-n-Butyl-phthalate	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Dinitro--2-methylphenol[4,6-]	1.7	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Dinitro-phenol[2,4-]	1.7	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Dinitro-toluene[2,4-]	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Dinitro-toluene[2,6-]	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Di-n-octylphthalate	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Fluoranthene	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Fluorene	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	HexaChloro-benzene	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	HexaChloro-butadiene	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	HexaChloro-cyclopentadiene	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	HexaChloro-ethane	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Indeno(1,2,3-cd)pyrene	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Isophorone	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Methyl-naphthalene[2-]	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Methyl-phenol[2-]	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Methyl-phenol[4-]	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Naphthalene	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Nitroaniline[2-]	1.7	mg/kg	U

Table I-4.0-04 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Nitroaniline[3-]	1.7	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Nitroaniline[4-]	0.63	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Nitrobenzene	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Nitrophenol[2-]	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Nitrophenol[4-]	1.7	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Nitrosodimethylamine[N-]	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Nitroso-di-n-propylamine[N-]	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Nitrosodiphenylamine[N-]	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Oxybis(1-Chloro-propane)[2,2'-]	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	PentaChloro-phenol	1.7	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Phenanthrene	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Phenol	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	Pyrene	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	TriChloro-benzene[1,2,4-]	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	TriChloro-phenol[2,4,5-]	1.7	mg/kg	U
16-021(c)	16-2669	0316-98-0418	37.5	38.5	FT	QBT4	TriChloro-phenol[2,4,6-]	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Acenaphthene	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Acenaphthylene	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Aniline	0.68	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Anthracene	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Azobenzene	0.68	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Benzo(a)-anthracene	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Benzo(a)-pyrene	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Benzo(b)-fluoranthene	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Benzo(g,h,i)-perylene	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Benzo(k)fluoranthene	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Benzoic Acid	3.4	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Benzyl Alcohol	1.3	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Bis(2-Chloro-ethoxy)methane	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Bis(2-Chloro-ethyl)ether	0.34	mg/kg	U

Table I-4.0-04 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Bis(2-ethylhexyl)phthalate	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Bromophenyl-phenylether[4-]	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Butyl-benzylphthalate	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Chloro--3-methylphenol[4-]	0.68	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Chloro-aniline[4-]	1.3	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Chloro-naphthalene[2-]	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Chloro-phenol[2-]	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Chloro-phenyl-phenyl[4-] Ether	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Chrysene	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Dibenz(a,h)anthracene	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Dibenzofuran	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	DiChloro-benzene[1,2-]	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	DiChloro-benzene[1,3-]	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	DiChloro-benzene[1,4-]	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	DiChloro-benzidine[3,3'-]	0.68	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	DiChloro-phenol[2,4-]	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Diethylphthalate	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Dimethyl Phthalate	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Dimethylphenol[2,4-]	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Di-n-Butyl-phthalate	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Dinitro--2-methylphenol[4,6-]	1.7	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Dinitro-phenol[2,4-]	1.7	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Dinitro-toluene[2,4-]	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Dinitro-toluene[2,6-]	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Di-n-octylphthalate	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Fluoranthene	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Fluorene	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	HexaChloro-benzene	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	HexaChloro-butadiene	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	HexaChloro-cyclopentadiene	0.34	mg/kg	U

Table I-4.0-04 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	HexaChloro-ethane	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Indeno(1,2,3-cd)pyrene	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Isophorone	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Methyl-naphthalene[2-]	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Methyl-phenol[2-]	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Methyl-phenol[4-]	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Naphthalene	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Nitroaniline[2-]	1.7	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Nitroaniline[3-]	1.7	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Nitroaniline[4-]	0.68	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Nitrobenzene	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Nitrophenol[2-]	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Nitrophenol[4-]	1.7	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Nitrosodimethylamine[N-]	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Nitroso-di-n-propylamine[N-]	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Nitrosodiphenylamine[N-]	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Oxybis(1-Chloro-propane)[2,2'-]	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	PentaChloro-phenol	1.7	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Phenanthrene	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Phenol	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	Pyrene	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	TriChloro-benzene[1,2,4-]	0.34	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	TriChloro-phenol[2,4,5-]	1.7	mg/kg	U
16-021(c)	16-2669	0316-98-0419	109	110	FT	QBT4	TriChloro-phenol[2,4,6-]	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Acenaphthene	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Acenaphthylene	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Aniline	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Anthracene	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Azobenzene	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Benzo(a)-anthracene	0.34	mg/kg	U

Table I-4.0-04 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Benzo(a)-pyrene	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Benzo(b)-fluoranthene	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Benzo(g,h,i)-perylene	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Benzo(k)fluoranthene	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Benzoic Acid	1.7	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Benzyl Alcohol	0.69	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Bis(2-Chloro-ethoxy)methane	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Bis(2-Chloro-ethyl)ether	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Bis(2-ethylhexyl)phthalate	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Bromophenyl-phenylether[4-]	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Butyl-benzylphthalate	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Chloro--3-methylphenol[4-]	0.69	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Chloro-aniline[4-]	0.69	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Chloro-naphthalene[2-]	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Chloro-phenol[2-]	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Chloro-phenyl-phenyl[4-] Ether	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Chrysene	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Dibenz(a,h)anthracene	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Dibenzofuran	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	DiChloro-benzene[1,2-]	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	DiChloro-benzene[1,3-]	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	DiChloro-benzene[1,4-]	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	DiChloro-benzidine[3,3'-]	0.69	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	DiChloro-phenol[2,4-]	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Diethylphthalate	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Dimethyl Phthalate	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Dimethylphenol[2,4-]	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Di-n-Butyl-phthalate	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Dinitro--2-methylphenol[4,6-]	1.7	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Dinitro-phenol[2,4-]	1.7	mg/kg	U

Table I-4.0-04 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Dinitro-toluene[2,4-]	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Dinitro-toluene[2,6-]	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Di-n-octylphthalate	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Fluoranthene	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Fluorene	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	HexaChloro-benzene	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	HexaChloro-butadiene	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	HexaChloro-cyclopentadiene	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	HexaChloro-ethane	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Indeno(1,2,3-cd)pyrene	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Isophorone	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Methyl-naphthalene[2-]	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Methyl-phenol[2-]	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Methyl-phenol[4-]	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Naphthalene	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Nitroaniline[2-]	1.7	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Nitroaniline[3-]	1.7	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Nitroaniline[4-]	0.69	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Nitrobenzene	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Nitrophenol[2-]	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Nitrophenol[4-]	1.7	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Nitrosodimethylamine[N-]	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Nitroso-di-n-propylamine[N-]	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Nitrosodiphenylamine[N-]	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Oxybis(1-Chloro-propane)[2,2'-]	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	PentaChloro-phenol	1.7	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Phenanthrene	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Phenol	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	Pyrene	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	TriChloro-benzene[1,2,4-]	0.34	mg/kg	U

Table I-4.0-04 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	TriChloro-phenol[2,4,5-]	1.7	mg/kg	U
16-021(c)	16-2668	0316-98-0424	68.2	68.7	FT	QBT4	TriChloro-phenol[2,4,6-]	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Acenaphthene	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Acenaphthylene	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Aniline	0.68	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Anthracene	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Azobenzene	0.68	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Benzo(a)-anthracene	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Benzo(a)-pyrene	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Benzo(b)-fluoranthene	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Benzo(g,h,i)-perylene	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Benzo(k)fluoranthene	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Benzoic Acid	3.4	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Benzyl Alcohol	1.3	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Bis(2-Chloro-ethoxy)methane	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Bis(2-Chloro-ethyl)ether	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Bis(2-ethylhexyl)phthalate	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Bromophenyl-phenylether[4-]	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Butyl-benzylphthalate	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Carbazole	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Chloro--3-methylphenol[4-]	0.68	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Chloro-aniline[4-]	1.3	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Chloro-naphthalene[2-]	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Chloro-phenol[2-]	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Chloro-phenyl-phenyl[4-] Ether	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Chrysene	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Dibenz(a,h)anthracene	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Dibenzofuran	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	DiChloro-benzene[1,2-]	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	DiChloro-benzene[1,3-]	0.34	mg/kg	U

Table I-4.0-04 (continued)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	DiChloro-benzene[1,4-]	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	DiChloro-benzidine[3,3'-]	0.68	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	DiChloro-phenol[2,4-]	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Diethylphthalate	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Dimethyl Phthalate	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Dimethylphenol[2,4-]	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Di-n-Butyl-phthalate	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Dinitro--2-methylphenol[4,6-]	1.6	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Dinitro-phenol[2,4-]	1.6	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Dinitro-toluene[2,4-]	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Dinitro-toluene[2,6-]	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Di-n-octylphthalate	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Fluoranthene	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Fluorene	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	HexaChloro-benzene	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	HexaChloro-butadiene	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	HexaChloro-cyclopentadiene	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	HexaChloro-ethane	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Indeno(1,2,3-cd)pyrene	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Isophorone	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Methyl-naphthalene[2-]	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Methyl-phenol[2-]	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Methyl-phenol[4-]	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Naphthalene	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Nitroaniline[2-]	1.6	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Nitroaniline[3-]	1.6	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Nitroaniline[4-]	0.61	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Nitrobenzene	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Nitrophenol[2-]	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Nitrophenol[4-]	1.6	mg/kg	U

Table I-4.0-04 (concluded)

PRS Number	Location ID	Sample ID	Begin Depth	End Depth	Depth Units	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Nitrosodimethylamine[N-]	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Nitroso-di-n-propylamine[N-]	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Nitrosodiphenylamine[N-]	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Oxybis(1-Chloro-propane)[2,2'-]	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	PentaChloro-phenol	1.6	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Phenanthrene	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Phenol	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	Pyrene	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	TriChloro-benzene[1,2,4-]	0.34	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	TriChloro-phenol[2,4,5-]	1.6	mg/kg	U
16-021(c)	16-2668	0316-98-0425	159	160	FT	QBT4	TriChloro-phenol[2,4,6-]	0.34	mg/kg	none

Table I-4.0-5

Inorganic Chemicals in Deep Boreholes Water Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	Aluminum	110000	µg/l	A
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	Antimony	20	µg/l	U
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	Arsenic	62	µg/l	none
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	Barium	860	µg/l	none
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	Beryllium	51	µg/l	none
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	Cadmium	5	µg/l	none
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	Calcium	32000	µg/l	none
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	Chromium, Total	380	µg/l	none
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	Cobalt	40	µg/l	none
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	Copper	3700	µg/l	none
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	Iron	600000	µg/l	none
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	Lead	530	µg/l	none
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	Magnesium	17000	µg/l	none
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	Manganese	5300	µg/l	none
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	Mercury	0.7	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	Nickel	410	µg/l	none
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	Potassium	78000	µg/l	none
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	Selenium	20	µg/l	UJ
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	Silver	10	µg/l	U
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	Sodium	80000	µg/l	none
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	Thallium	12	µg/l	none
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	Vanadium	140	µg/l	none
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	Zinc	840	µg/l	none
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	Aluminum	200	µg/l	none
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	Antimony	20	µg/l	U
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	Arsenic	4	µg/l	U
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	Barium	10	µg/l	none
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	Beryllium	4	µg/l	U

Table I-4.0-5 (concluded)

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	Cadmium	5	µg/l	U
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	Calcium	200	µg/l	none
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	Chromium, Total	10	µg/l	U
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	Cobalt	20	µg/l	U
16-021(c)	16-2665	0316-97-0428	22-Oct-93	Filtered	Not Available	Copper	20	µg/l	U
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	Iron	230	µg/l	none
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	Lead	1	µg/l	U
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	Magnesium	7000	µg/l	none
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	Manganese	730	µg/l	none
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	Mercury	0.2	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	Nickel	100	µg/l	none
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	Potassium	7000	µg/l	none
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	Selenium	4	µg/l	UJ
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	Silver	10	µg/l	U
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	Sodium	38000	µg/l	none
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	Thallium	5	µg/l	U
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	Vanadium	10	µg/l	U
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	Zinc	0.02	µg/l	U
16-021(c)	16-2669	0316-98-0426	12-Mar-98	Unfiltered	WGI	Barium	200	µg/l	U

Table I-4.0-6

High Explosive Chemicals in Deep Boreholes Water Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	Amino-2,6-Dinitro-toluene[4-]	1.5	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	Dinitro-benzene[1,3-]	0.2	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	Dinitro-toluene[2,4-]	0.2	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	Dinitro-toluene[2,6-]	0.2	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	HMX	12	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	Nitrobenzene	0.2	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	Nitrotoluene[2-]	0.78	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	Nitrotoluene[3-]	0.78	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	Nitrotoluene[4-]	2.3	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	RDX	91	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	Tetryl	0.58	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	Trinitrobenzene[1,3,5-]	0.2	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	Trinitrotoluene[2,4,6-]	0.2	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	Amino-2,6-Dinitro-toluene[4-]	3.8	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	Dinitro-benzene[1,3-]	0.23	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	Dinitro-toluene[2,4-]	0.23	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	Dinitro-toluene[2,6-]	0.24	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	HMX	16	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	Nitrobenzene	0.24	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	Nitrotoluene[2-]	0.92	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	Nitrotoluene[3-]	0.92	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	Nitrotoluene[4-]	2.8	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	RDX	140	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	Tetryl	0.68	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	Trinitrobenzene[1,3,5-]	0.23	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	Trinitrotoluene[2,4,6-]	0.23	µg/l	R
16-021(c)	16-2669	0316-98-0420	11-Mar-98	Unfiltered	WGI	Amino-2,6-Dinitro-toluene[4-]	0.05	µg/l	U

Table I-4.0-6 (concluded)

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2669	0316-98-0420	11-Mar-98	Unfiltered	WGI	Amino-4,6-Dinitro-toluene[2-]	0.049	µg/l	U
16-021(c)	16-2669	0316-98-0420	11-Mar-98	Unfiltered	WGI	Dinitro-benzene[1,3-]	0.048	µg/l	U
16-021(c)	16-2669	0316-98-0420	11-Mar-98	Unfiltered	WGI	Dinitro-toluene[2,4-]	4.03	µg/l	none
16-021(c)	16-2669	0316-98-0420	11-Mar-98	Unfiltered	WGI	Dinitro-toluene[2,6-]	0.042	µg/l	U
16-021(c)	16-2669	0316-98-0420	11-Mar-98	Unfiltered	WGI	HMX	21	µg/l	none
16-021(c)	16-2669	0316-98-0420	11-Mar-98	Unfiltered	WGI	Nitrobenzene	0.052	µg/l	U
16-021(c)	16-2669	0316-98-0420	11-Mar-98	Unfiltered	WGI	Nitrotoluene[2-]	0.096	µg/l	U
16-021(c)	16-2669	0316-98-0420	11-Mar-98	Unfiltered	WGI	Nitrotoluene[3-]	0.096	µg/l	U
16-021(c)	16-2669	0316-98-0420	11-Mar-98	Unfiltered	WGI	Nitrotoluene[4-]	0.096	µg/l	U
16-021(c)	16-2669	0316-98-0420	11-Mar-98	Unfiltered	WGI	RDX	281	µg/l	none
16-021(c)	16-2669	0316-98-0420	11-Mar-98	Unfiltered	WGI	Tetryl	0.062	µg/l	U
16-021(c)	16-2669	0316-98-0420	11-Mar-98	Unfiltered	WGI	Trinitrobenzene[1,3,5-]	0.05	µg/l	U
16-021(c)	16-2669	0316-98-0420	11-Mar-98	Unfiltered	WGI	Trinitrotoluene[2,4,6-]	1.27	µg/l	none

Table I-4.0-7

Volatile and Semivolatile Chemicals in Deep Boreholes Water Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	Acenaphthene	10	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	Acenaphthylene	10	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	VOAGCMS	Acetone	38	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	Aniline	20	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	Anthracene	10	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	Azobenzene	20	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	VOAGCMS	Benzene	5	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	Benzo(a)-anthracene	10	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	Benzo(a)-pyrene	10	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	Benzo(b)-fluoranthene	10	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	Benzo(g,h,i)-perylene	10	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	Benzo(k)fluoranthene	10	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	Benzoic Acid	50	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	Benzyl Alcohol	20	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	Bis(2-Chloro-ethoxy)methane	10	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	Bis(2-Chloro-ethyl)ether	10	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	Bis(2-ethylhexyl)phthalate	10	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	VOAGCMS	Bromobenzene	5	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	VOAGCMS	BromoChloro-methane	5	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	VOAGCMS	BromodiChloro-methane	5	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	VOAGCMS	Bromoform	5	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	VOAGCMS	Bromomethane	10	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	Bromophenyl-phenylether[4-]	10	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	VOAGCMS	Butanone[2-]	20	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	VOAGCMS	Butyl-benzene[n-]	5	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	VOAGCMS	Butyl-benzene[sec-]	5	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	VOAGCMS	Butyl-benzene[tert-]	5	µg/l	R

Table I-4.0-7 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	Butyl-benzylphthalate	10	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	VOAGCMS	Carbon Disulfide	5	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	VOAGCMS	Carbon Tetrachloride	5	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	Chloro--3-methylphenol[4-]	20	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	Chloro-aniline[4-]	20	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	VOAGCMS	Chloro-benzene	5	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	VOAGCMS	Chloro-Dibromo-methane	5	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	VOAGCMS	Chloro-ethane	10	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	VOAGCMS	Chloro-form	5	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	VOAGCMS	Chloro-methane	10	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	Chloro-naphthalene[2-]	10	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	Chloro-phenol[2-]	10	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	Chloro-phenyl-phenyl[4-] Ether	10	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	VOAGCMS	Chloro-toluene[2-]	5	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	VOAGCMS	Chloro-toluene[4-]	5	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	Chrysene	21	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	Dibenz(a,h)anthracene	10	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	Dibenzofuran	10	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	VOAGCMS	Dibromo--3-Chloro-propane[1,2-]	10	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	VOAGCMS	Dibromo-ethane[1,2-]	5	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	VOAGCMS	Dibromo-methane	5	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	DiChloro-benzene[1,2-]	10	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	VOAGCMS	DiChloro-benzene[1,2-]	5	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	DiChloro-benzene[1,3-]	10	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	VOAGCMS	DiChloro-benzene[1,3-]	5	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	DiChloro-benzene[1,4-]	10	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	VOAGCMS	DiChloro-benzene[1,4-]	5	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	DiChloro-benzidine[3,3'-]	20	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	VOAGCMS	DiChloro-difluoro--methane	10	µg/l	R

Table I-4.0-7 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	VOAGCMS	DiChloro-ethane[1,1-]	5	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	VOAGCMS	DiChloro-ethane[1,2-]	5	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	VOAGCMS	DiChloro-ethene[1,1-]	5	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	VOAGCMS	DiChloro-ethene[cis-1,2-]	10	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	VOAGCMS	DiChloro-ethene[trans-1,2-]	10	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	DiChloro-phenol[2,4-]	10	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	VOAGCMS	DiChloro-propane[1,2-]	5	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	VOAGCMS	DiChloro-propane[1,3-]	5	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	VOAGCMS	DiChloro-propane[2,2-]	5	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	VOAGCMS	DiChloro-propene[1,1-]	5	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	VOAGCMS	DiChloro-propene[cis-1,3-]	5	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	VOAGCMS	DiChloro-propene[trans-1,3-]	5	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	Diethylphthalate	10	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	Dimethyl Phthalate	10	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	Dimethylphenol[2,4-]	10	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	Di-n-Butyl-phthalate	10	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	Dinitro--2-methylphenol[4,6-]	50	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	Dinitro-phenol[2,4-]	50	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	Dinitro-toluene[2,4-]	10	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	Dinitro-toluene[2,6-]	10	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	Di-n-octylphthalate	10	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	VOAGCMS	Ethylbenzene	5	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	Fluoranthene	10	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	Fluorene	10	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	HexaChloro-benzene	10	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	HexaChloro-butadiene	10	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	HexaChloro-cyclopentadiene	10	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	HexaChloro-ethane	10	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	VOAGCMS	Hexanone[2-]	20	µg/l	R

Table I-4.0-7 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	Indeno(1,2,3-cd)pyrene	10	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	VOAGCMS	Iodomethane	5	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	Isophorone	10	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	VOAGCMS	Isopropylbenzene	5	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	VOAGCMS	Isopropyltoluene[4-]	5	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	VOAGCMS	Methyl--2-pentanone[4-]	20	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	VOAGCMS	Methyl-ene Chloride	5	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	Methyl-naphthalene[2-]	10	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	Methyl-phenol[2-]	10	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	Methyl-phenol[4-]	10	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	Naphthalene	10	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	Nitroaniline[2-]	50	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	Nitroaniline[3-]	50	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	Nitroaniline[4-]	20	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	Nitrobenzene	10	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	Nitrophenol[2-]	10	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	Nitrophenol[4-]	50	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	Nitrosodimethylamine[N-]	10	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	Nitroso-di-n-propylamine[N-]	10	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	Nitrosodiphenylamine[N-]	10	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	Oxybis(1-Chloro-propane)[2,2'-]	10	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	PentaChloro-phenol	50	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	Phenanthrene	10	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	Phenol	10	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	VOAGCMS	Propylbenzene[1-]	5	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	Pyrene	10	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	VOAGCMS	Styrene	5	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	VOAGCMS	TetraChloro-ethane[1,1,1,2-]	5	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	VOAGCMS	TetraChloro-ethane[1,1,2,2-]	5	µg/l	R

Table I-4.0-7 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	VOAGCMS	TetraChloro-ethene	5	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	VOAGCMS	Toluene	5	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	VOAGCMS	TriChloro--1,2,2-trifluoroethane[1,1,2-]	5	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	TriChloro-benzene[1,2,4-]	10	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	VOAGCMS	TriChloro-ethane[1,1,1-]	5	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	VOAGCMS	TriChloro-ethane[1,1,2-]	5	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	VOAGCMS	TriChloro-ethene	29	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	VOAGCMS	TriChloro-fluoromethane	5	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	TriChloro-phenol[2,4,5-]	50	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	SEMI	TriChloro-phenol[2,4,6-]	10	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	VOAGCMS	TriChloro-propane[1,2,3-]	5	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	VOAGCMS	Trimethylbenzene[1,2,4-]	5	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	VOAGCMS	Trimethylbenzene[1,3,5-]	5	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	VOAGCMS	Vinyl Chloride	10	µg/l	R
16-021(c)	16-2665	0316-97-0427	23-Oct-97	Unfiltered	WGI	VOAGCMS	Xylene (Total)	5	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	Acenaphthene	8.5	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	Acenaphthylene	8.5	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	Aniline	17	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	Anthracene	8.5	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	Azobenzene	17	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	Benzo(a)-anthracene	8.5	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	Benzo(a)-pyrene	8.5	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	Benzo(b)-fluoranthene	8.5	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	Benzo(g,h,i)-perylene	8.5	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	Benzo(k)fluoranthene	8.5	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	Benzoic Acid	43	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	Benzyl Alcohol	17	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	Bis(2-Chloro-ethoxy)methane	8.5	µg/l	R

Table I-4.0-7 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	Bis(2-Chloro-ethyl)ether	8.5	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	Bis(2-ethylhexyl)phthalate	8.5	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	Bromophenyl-phenylether[4-]	8.5	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	Butyl-benzylphthalate	8.5	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	Chloro--3-methylphenol[4-]	17	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	Chloro-aniline[4-]	17	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	Chloro-naphthalene[2-]	8.5	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	Chloro-phenol[2-]	8.5	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	Chloro-phenyl-phenyl[4-] Ether	8.5	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	Chrysene	8.5	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	Dibenz(a,h)anthracene	8.5	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	Dibenzofuran	10	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	DiChloro-benzene[1,2-]	8.5	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	DiChloro-benzene[1,3-]	8.5	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	DiChloro-benzene[1,4-]	8.5	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	DiChloro-benzidine[3,3'-]	17	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	DiChloro-phenol[2,4-]	8.5	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	Diethylphthalate	8.5	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	Dimethyl Phthalate	8.5	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	Dimethylphenol[2,4-]	8.5	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	Di-n-Butyl-phthalate	8.5	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	Dinitro--2-methylphenol[4,6-]	43	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	Dinitro-phenol[2,4-]	43	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	Dinitro-toluene[2,4-]	8.5	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	Dinitro-toluene[2,6-]	8.5	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	Di-n-octylphthalate	8.5	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	Fluoranthene	8.5	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	Fluorene	8.5	µg/l	R

Table I-4.0-7 (concluded)

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analytical Suite	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	HexaChloro-benzene	8.5	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	HexaChloro-butadiene	8.5	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	HexaChloro-cyclopentadiene	8.5	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	HexaChloro-ethane	8.5	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	Indeno(1,2,3-cd)pyrene	8.5	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	Isophorone	8.5	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	Methyl-naphthalene[2-]	8.5	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	Methyl-phenol[2-]	8.5	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	Methyl-phenol[4-]	8.5	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	Naphthalene	8.5	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	Nitroaniline[2-]	43	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	Nitroaniline[3-]	43	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	Nitroaniline[4-]	17	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	Nitrobenzene	8.5	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	Nitrophenol[2-]	8.5	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	Nitrophenol[4-]	43	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	Nitrosodimethylamine[N-]	8.5	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	Nitroso-di-n-propylamine[N-]	8.5	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	Nitrosodiphenylamine[N-]	8.5	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	Oxybis(1-Chloro-propane)[2,2'-]	8.5	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	PentaChloro-phenol	43	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	Phenanthrene	8.5	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	Phenol	8.5	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	Pyrene	8.5	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	TriChloro-benzene[1,2,4-]	8.5	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	TriChloro-phenol[2,4,5-]	43	µg/l	R
16-021(c)	16-2665	0316-97-0428	23-Oct-97	Filtered	WGI	SEMI	TriChloro-phenol[2,4,6-]	8.5	µg/l	R

Table I-4.0-8
Inorganic Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Aluminum	1020	µg/l	none
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Antimony	50	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Arsenic	2	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Barium	263	µg/l	none
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Beryllium	4	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Cadmium	5	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Calcium	16800	µg/l	none
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Chromium, Total	10	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Cobalt	10	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Copper	5	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Iron	425	µg/l	none
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Lead	1.5	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Magnesium	4900	µg/l	J
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Manganese	2.5	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Mercury	0.1	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Nickel	15	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Potassium	2910	µg/l	J
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Selenium	2.5	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Silver	5	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Sodium	19900	µg/l	none
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Thallium	2	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Vanadium	10	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Zinc	5	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Aluminum	1190	µg/l	none
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Antimony	50	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Arsenic	2	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Barium	253	µg/l	none

Table I-4.0-8 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Beryllium	4	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Cadmium	5	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Calcium	16700	µg/l	none
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Chromium, Total	10	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Cobalt	10	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Copper	5	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Iron	508	µg/l	none
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Lead	2.8	µg/l	J
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Magnesium	4970	µg/l	J
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Manganese	2.5	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Mercury	0.1	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Nickel	15	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Potassium	2990	µg/l	J
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Selenium	2.5	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Silver	5	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Sodium	20700	µg/l	none
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Thallium	2	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Vanadium	10	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Zinc	5	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Aluminum	413	µg/l	none
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Antimony	50	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Arsenic	2	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Barium	171	µg/l	J
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Beryllium	4	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Cadmium	5	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Calcium	25900	µg/l	none
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Chromium, Total	10	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Cobalt	10	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Copper	5	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Iron	199	µg/l	none

Table I-4.0-8 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Lead	1.5	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Magnesium	6070	µg/l	none
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Manganese	2.5	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Mercury	0.1	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Nickel	15	µg/l	none
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Potassium	2690	µg/l	J
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Selenium	2.5	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Silver	5	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Sodium	32500	µg/l	none
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Thallium	2	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Vanadium	10	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Zinc	5	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Aluminum	2250	µg/l	none
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Antimony	20.2	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Arsenic	2.3	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Barium	160	µg/l	J
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Beryllium	0.71	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Cadmium	3.4	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Calcium	22900	µg/l	none
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Chromium, Total	2.7	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Cobalt	2.7	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Copper	7.5	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Iron	1390	µg/l	none
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Lead	1.5	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Magnesium	5810	µg/l	none
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Manganese	7.7	µg/l	J
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Mercury	0.1	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Nickel	8.7	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Potassium	2360	µg/l	J
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Selenium	3.6	µg/l	U

Table I-4.0-8 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Silver	3.6	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Sodium	27300	µg/l	none
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Thallium	4.1	µg/l	J
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Vanadium	7.2	µg/l	J
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Zinc	12.2	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Aluminum	3080	µg/l	none
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Antimony	20.2	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Arsenic	2.3	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Barium	161	µg/l	J
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Beryllium	0.4	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Cadmium	3.4	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Calcium	22400	µg/l	none
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Chromium, Total	3.1	µg/l	J
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Cobalt	2.7	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Copper	7.5	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Iron	1930	µg/l	none
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Lead	1.5	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Magnesium	5780	µg/l	none
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Manganese	10.3	µg/l	J
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Mercury	0.1	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Nickel	8.7	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Potassium	3000	µg/l	J
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Selenium	3.7	µg/l	J
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Silver	3.6	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Sodium	26600	µg/l	none
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Thallium	2.6	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Vanadium	7.8	µg/l	J
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Zinc	22.8	µg/l	U
16-021(c)	16-2650	0316-97-3002	31-Mar-97	Filtered	WGI	Aluminum	3580	µg/l	nv
16-021(c)	16-2650	0316-97-3002	31-Mar-97	Filtered	WGI	Antimony	1	µg/l	nv

Table I-4.0-8 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2650	0316-97-3002	31-Mar-97	Filtered	WGI	Barium	140	µg/l	nv
16-021(c)	16-2650	0316-97-3002	31-Mar-97	Filtered	WGI	Beryllium	2	µg/l	nv
16-021(c)	16-2650	0316-97-3002	31-Mar-97	Filtered	WGI	Cadmium	1	µg/l	nv
16-021(c)	16-2650	0316-97-3002	31-Mar-97	Filtered	WGI	Calcium	22300	µg/l	nv
16-021(c)	16-2650	0316-97-3002	31-Mar-97	Filtered	WGI	Chromium, Total	3	µg/l	nv
16-021(c)	16-2650	0316-97-3002	31-Mar-97	Filtered	WGI	Cobalt	2	µg/l	nv
16-021(c)	16-2650	0316-97-3002	31-Mar-97	Filtered	WGI	Copper	5	µg/l	nv
16-021(c)	16-2650	0316-97-3002	31-Mar-97	Filtered	WGI	Iron	1510	µg/l	nv
16-021(c)	16-2650	0316-97-3002	31-Mar-97	Filtered	WGI	Lead	2	µg/l	nv
16-021(c)	16-2650	0316-97-3002	31-Mar-97	Filtered	WGI	Magnesium	5690	µg/l	nv
16-021(c)	16-2650	0316-97-3002	31-Mar-97	Filtered	WGI	Manganese	7	µg/l	nv
16-021(c)	16-2650	0316-97-3002	31-Mar-97	Filtered	WGI	Mercury	0.05	µg/l	nv
16-021(c)	16-2650	0316-97-3002	31-Mar-97	Filtered	WGI	Nickel	2	µg/l	nv
16-021(c)	16-2650	0316-97-3002	31-Mar-97	Filtered	WGI	Potassium	3230	µg/l	nv
16-021(c)	16-2650	0316-97-3002	31-Mar-97	Filtered	WGI	Selenium	1	µg/l	nv
16-021(c)	16-2650	0316-97-3002	31-Mar-97	Filtered	WGI	Silver	1	µg/l	nv
16-021(c)	16-2650	0316-97-3002	31-Mar-97	Filtered	WGI	Sodium	26600	µg/l	nv
16-021(c)	16-2650	0316-97-3002	31-Mar-97	Filtered	WGI	Thallium	2	µg/l	nv
16-021(c)	16-2650	0316-97-3002	31-Mar-97	Filtered	WGI	Vanadium	6	µg/l	nv
16-021(c)	16-2650	0316-97-3002	31-Mar-97	Filtered	WGI	Zinc	10	µg/l	nv
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Aluminum	2230	µg/l	none
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Antimony	20.2	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Arsenic	2.3	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Barium	302	µg/l	none
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Beryllium	0.55	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Cadmium	3.4	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Calcium	16200	µg/l	none
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Chromium, Total	2.7	µg/l	J
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Cobalt	3.2	µg/l	J
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Copper	7.5	µg/l	U

Table I-4.0-8 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Iron	1640	µg/l	none
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Lead	1.5	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Magnesium	5040	µg/l	none
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Manganese	8.8	µg/l	J
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Mercury	0.1	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Nickel	8.7	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Potassium	3550	µg/l	J
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Selenium	3.6	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Silver	3.6	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Sodium	21000	µg/l	none
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Thallium	2.6	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Vanadium	5.2	µg/l	J
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Zinc	13.1	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Aluminum	3870	µg/l	none
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Antimony	20.2	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Arsenic	2.3	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Barium	329	µg/l	none
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Beryllium	0.44	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Cadmium	3.4	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Calcium	17100	µg/l	none
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Chromium, Total	4.3	µg/l	J
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Cobalt	2.7	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Copper	11.5	µg/l	J
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Iron	2430	µg/l	none
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Lead	1.5	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Magnesium	5400	µg/l	none
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Manganese	20.3	µg/l	none
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Mercury	0.1	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Nickel	8.7	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Potassium	2770	µg/l	J

Table I-4.0-8 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Selenium	3.6	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Silver	3.6	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Sodium	21700	µg/l	none
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Thallium	2.6	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Vanadium	6.5	µg/l	J
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Zinc	18.9	µg/l	U
16-021(c)	16-2651	0316-97-3005	31-Mar-97	Filtered	WGI	Aluminum	3080	µg/l	nv
16-021(c)	16-2651	0316-97-3005	31-Mar-97	Filtered	WGI	Antimony	1	µg/l	nv
16-021(c)	16-2651	0316-97-3005	31-Mar-97	Filtered	WGI	Barium	280	µg/l	nv
16-021(c)	16-2651	0316-97-3005	31-Mar-97	Filtered	WGI	Beryllium	2	µg/l	nv
16-021(c)	16-2651	0316-97-3005	31-Mar-97	Filtered	WGI	Cadmium	1	µg/l	nv
16-021(c)	16-2651	0316-97-3005	31-Mar-97	Filtered	WGI	Calcium	15700	µg/l	nv
16-021(c)	16-2651	0316-97-3005	31-Mar-97	Filtered	WGI	Chromium, Total	2	µg/l	nv
16-021(c)	16-2651	0316-97-3005	31-Mar-97	Filtered	WGI	Cobalt	2	µg/l	nv
16-021(c)	16-2651	0316-97-3005	31-Mar-97	Filtered	WGI	Copper	5	µg/l	nv
16-021(c)	16-2651	0316-97-3005	31-Mar-97	Filtered	WGI	Iron	1160	µg/l	nv
16-021(c)	16-2651	0316-97-3005	31-Mar-97	Filtered	WGI	Lead	2	µg/l	nv
16-021(c)	16-2651	0316-97-3005	31-Mar-97	Filtered	WGI	Magnesium	4810	µg/l	nv
16-021(c)	16-2651	0316-97-3005	31-Mar-97	Filtered	WGI	Manganese	6	µg/l	nv
16-021(c)	16-2651	0316-97-3005	31-Mar-97	Filtered	WGI	Mercury	0.05	µg/l	nv
16-021(c)	16-2651	0316-97-3005	31-Mar-97	Filtered	WGI	Nickel	2	µg/l	nv
16-021(c)	16-2651	0316-97-3005	31-Mar-97	Filtered	WGI	Potassium	3410	µg/l	nv
16-021(c)	16-2651	0316-97-3005	31-Mar-97	Filtered	WGI	Selenium	1	µg/l	nv
16-021(c)	16-2651	0316-97-3005	31-Mar-97	Filtered	WGI	Silver	1	µg/l	nv
16-021(c)	16-2651	0316-97-3005	31-Mar-97	Filtered	WGI	Sodium	21100	µg/l	nv
16-021(c)	16-2651	0316-97-3005	31-Mar-97	Filtered	WGI	Thallium	2	µg/l	nv
16-021(c)	16-2651	0316-97-3005	31-Mar-97	Filtered	WGI	Vanadium	5	µg/l	nv
16-021(c)	16-2651	0316-97-3005	31-Mar-97	Filtered	WGI	Zinc	10	µg/l	nv
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Aluminum	2540	µg/l	none
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Antimony	20.2	µg/l	U

Table I-4.0-8 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Arsenic	2.3	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Barium	237	µg/l	none
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Beryllium	0.4	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Cadmium	3.4	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Calcium	16000	µg/l	none
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Chromium, Total	2.7	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Cobalt	2.7	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Copper	7.5	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Iron	1390	µg/l	none
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Lead	1.5	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Magnesium	4920	µg/l	J
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Manganese	8.1	µg/l	J
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Mercury	0.1	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Nickel	8.7	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Potassium	2680	µg/l	J
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Selenium	3.6	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Silver	3.6	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Sodium	21000	µg/l	none
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Thallium	2.6	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Vanadium	6.4	µg/l	J
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Zinc	14.9	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Aluminum	3170	µg/l	none
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Antimony	20.2	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Arsenic	2.3	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Barium	244	µg/l	none
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Beryllium	0.4	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Cadmium	3.4	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Calcium	15600	µg/l	none
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Chromium, Total	2.7	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Cobalt	2.7	µg/l	U

Table I-4.0-8 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Copper	7.5	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Iron	1840	µg/l	none
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Lead	1.5	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Magnesium	4890	µg/l	J
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Manganese	10	µg/l	J
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Mercury	0.1	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Nickel	8.7	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Potassium	3080	µg/l	J
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Selenium	3.6	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Silver	3.6	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Sodium	20700	µg/l	none
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Thallium	2.6	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Vanadium	4.4	µg/l	J
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Zinc	12.6	µg/l	U
16-021(c)	16-2652	0316-97-3008	31-Mar-97	Filtered	WGI	Aluminum	3290	µg/l	nv
16-021(c)	16-2652	0316-97-3008	31-Mar-97	Filtered	WGI	Antimony	1	µg/l	nv
16-021(c)	16-2652	0316-97-3008	31-Mar-97	Filtered	WGI	Barium	230	µg/l	nv
16-021(c)	16-2652	0316-97-3008	31-Mar-97	Filtered	WGI	Beryllium	2	µg/l	nv
16-021(c)	16-2652	0316-97-3008	31-Mar-97	Filtered	WGI	Cadmium	1	µg/l	nv
16-021(c)	16-2652	0316-97-3008	31-Mar-97	Filtered	WGI	Calcium	15700	µg/l	nv
16-021(c)	16-2652	0316-97-3008	31-Mar-97	Filtered	WGI	Chromium, Total	2	µg/l	nv
16-021(c)	16-2652	0316-97-3008	31-Mar-97	Filtered	WGI	Cobalt	2	µg/l	nv
16-021(c)	16-2652	0316-97-3008	31-Mar-97	Filtered	WGI	Copper	5	µg/l	nv
16-021(c)	16-2652	0316-97-3008	31-Mar-97	Filtered	WGI	Iron	1440	µg/l	nv
16-021(c)	16-2652	0316-97-3008	31-Mar-97	Filtered	WGI	Lead	2	µg/l	nv
16-021(c)	16-2652	0316-97-3008	31-Mar-97	Filtered	WGI	Magnesium	4900	µg/l	nv
16-021(c)	16-2652	0316-97-3008	31-Mar-97	Filtered	WGI	Manganese	8	µg/l	nv
16-021(c)	16-2652	0316-97-3008	31-Mar-97	Filtered	WGI	Mercury	0.05	µg/l	nv
16-021(c)	16-2652	0316-97-3008	31-Mar-97	Filtered	WGI	Nickel	4	µg/l	nv
16-021(c)	16-2652	0316-97-3008	31-Mar-97	Filtered	WGI	Potassium	3380	µg/l	nv

Table I-4.0-8 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2652	0316-97-3008	31-Mar-97	Filtered	WGI	Selenium	1	µg/l	nv
16-021(c)	16-2652	0316-97-3008	31-Mar-97	Filtered	WGI	Silver	1	µg/l	nv
16-021(c)	16-2652	0316-97-3008	31-Mar-97	Filtered	WGI	Sodium	21000	µg/l	nv
16-021(c)	16-2652	0316-97-3008	31-Mar-97	Filtered	WGI	Thallium	2	µg/l	nv
16-021(c)	16-2652	0316-97-3008	31-Mar-97	Filtered	WGI	Vanadium	5	µg/l	nv
16-021(c)	16-2652	0316-97-3008	31-Mar-97	Filtered	WGI	Zinc	10	µg/l	nv
16-021(c)	16-2650	0316-97-3009	31-Mar-97	Unfiltered	WGI	Aluminum	5310	µg/l	nv
16-021(c)	16-2650	0316-97-3009	31-Mar-97	Unfiltered	WGI	Antimony	1	µg/l	nv
16-021(c)	16-2650	0316-97-3009	31-Mar-97	Unfiltered	WGI	Barium	150	µg/l	nv
16-021(c)	16-2650	0316-97-3009	31-Mar-97	Unfiltered	WGI	Beryllium	2	µg/l	nv
16-021(c)	16-2650	0316-97-3009	31-Mar-97	Unfiltered	WGI	Cadmium	1	µg/l	nv
16-021(c)	16-2650	0316-97-3009	31-Mar-97	Unfiltered	WGI	Calcium	22600	µg/l	nv
16-021(c)	16-2650	0316-97-3009	31-Mar-97	Unfiltered	WGI	Chromium, Total	6	µg/l	nv
16-021(c)	16-2650	0316-97-3009	31-Mar-97	Unfiltered	WGI	Cobalt	2	µg/l	nv
16-021(c)	16-2650	0316-97-3009	31-Mar-97	Unfiltered	WGI	Copper	8	µg/l	nv
16-021(c)	16-2650	0316-97-3009	31-Mar-97	Unfiltered	WGI	Iron	2300	µg/l	nv
16-021(c)	16-2650	0316-97-3009	31-Mar-97	Unfiltered	WGI	Lead	2	µg/l	nv
16-021(c)	16-2650	0316-97-3009	31-Mar-97	Unfiltered	WGI	Magnesium	5900	µg/l	nv
16-021(c)	16-2650	0316-97-3009	31-Mar-97	Unfiltered	WGI	Manganese	10	µg/l	nv
16-021(c)	16-2650	0316-97-3009	31-Mar-97	Unfiltered	WGI	Mercury	0.5	µg/l	nv
16-021(c)	16-2650	0316-97-3009	31-Mar-97	Unfiltered	WGI	Nickel	2	µg/l	nv
16-021(c)	16-2650	0316-97-3009	31-Mar-97	Unfiltered	WGI	Potassium	3220	µg/l	nv
16-021(c)	16-2650	0316-97-3009	31-Mar-97	Unfiltered	WGI	Selenium	10	µg/l	nv
16-021(c)	16-2650	0316-97-3009	31-Mar-97	Unfiltered	WGI	Silver	1	µg/l	nv
16-021(c)	16-2650	0316-97-3009	31-Mar-97	Unfiltered	WGI	Sodium	26500	µg/l	nv
16-021(c)	16-2650	0316-97-3009	31-Mar-97	Unfiltered	WGI	Thallium	2	µg/l	nv
16-021(c)	16-2650	0316-97-3009	31-Mar-97	Unfiltered	WGI	Vanadium	7	µg/l	nv
16-021(c)	16-2650	0316-97-3009	31-Mar-97	Unfiltered	WGI	Zinc	10	µg/l	nv
16-021(c)	16-2651	0316-97-3010	31-Mar-97	Unfiltered	WGI	Aluminum	5900	µg/l	nv
16-021(c)	16-2651	0316-97-3010	31-Mar-97	Unfiltered	WGI	Antimony	1	µg/l	nv

Table I-4.0-8 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2651	0316-97-3010	31-Mar-97	Unfiltered	WGI	Barium	320	µg/l	nv
16-021(c)	16-2651	0316-97-3010	31-Mar-97	Unfiltered	WGI	Beryllium	2	µg/l	nv
16-021(c)	16-2651	0316-97-3010	31-Mar-97	Unfiltered	WGI	Cadmium	1	µg/l	nv
16-021(c)	16-2651	0316-97-3010	31-Mar-97	Unfiltered	WGI	Calcium	16000	µg/l	nv
16-021(c)	16-2651	0316-97-3010	31-Mar-97	Unfiltered	WGI	Chromium, Total	6	µg/l	nv
16-021(c)	16-2651	0316-97-3010	31-Mar-97	Unfiltered	WGI	Cobalt	2	µg/l	nv
16-021(c)	16-2651	0316-97-3010	31-Mar-97	Unfiltered	WGI	Copper	8	µg/l	nv
16-021(c)	16-2651	0316-97-3010	31-Mar-97	Unfiltered	WGI	Iron	2460	µg/l	nv
16-021(c)	16-2651	0316-97-3010	31-Mar-97	Unfiltered	WGI	Lead	3	µg/l	nv
16-021(c)	16-2651	0316-97-3010	31-Mar-97	Unfiltered	WGI	Magnesium	5030	µg/l	nv
16-021(c)	16-2651	0316-97-3010	31-Mar-97	Unfiltered	WGI	Manganese	31	µg/l	nv
16-021(c)	16-2651	0316-97-3010	31-Mar-97	Unfiltered	WGI	Mercury	0.05	µg/l	nv
16-021(c)	16-2651	0316-97-3010	31-Mar-97	Unfiltered	WGI	Nickel	4	µg/l	nv
16-021(c)	16-2651	0316-97-3010	31-Mar-97	Unfiltered	WGI	Potassium	3580	µg/l	nv
16-021(c)	16-2651	0316-97-3010	31-Mar-97	Unfiltered	WGI	Selenium	1	µg/l	nv
16-021(c)	16-2651	0316-97-3010	31-Mar-97	Unfiltered	WGI	Silver	1	µg/l	nv
16-021(c)	16-2651	0316-97-3010	31-Mar-97	Unfiltered	WGI	Sodium	20300	µg/l	nv
16-021(c)	16-2651	0316-97-3010	31-Mar-97	Unfiltered	WGI	Thallium	2	µg/l	nv
16-021(c)	16-2651	0316-97-3010	31-Mar-97	Unfiltered	WGI	Vanadium	7	µg/l	nv
16-021(c)	16-2651	0316-97-3010	31-Mar-97	Unfiltered	WGI	Zinc	10	µg/l	nv
16-021(c)	16-2652	0316-97-3011	31-Mar-97	Unfiltered	WGI	Aluminum	5410	µg/l	nv
16-021(c)	16-2652	0316-97-3011	31-Mar-97	Unfiltered	WGI	Antimony	1	µg/l	nv
16-021(c)	16-2652	0316-97-3011	31-Mar-97	Unfiltered	WGI	Barium	230	µg/l	nv
16-021(c)	16-2652	0316-97-3011	31-Mar-97	Unfiltered	WGI	Beryllium	2	µg/l	nv
16-021(c)	16-2652	0316-97-3011	31-Mar-97	Unfiltered	WGI	Cadmium	1	µg/l	nv
16-021(c)	16-2652	0316-97-3011	31-Mar-97	Unfiltered	WGI	Calcium	15300	µg/l	nv
16-021(c)	16-2652	0316-97-3011	31-Mar-97	Unfiltered	WGI	Chromium, Total	6	µg/l	nv
16-021(c)	16-2652	0316-97-3011	31-Mar-97	Unfiltered	WGI	Cobalt	2	µg/l	nv
16-021(c)	16-2652	0316-97-3011	31-Mar-97	Unfiltered	WGI	Copper	8	µg/l	nv
16-021(c)	16-2652	0316-97-3011	31-Mar-97	Unfiltered	WGI	Iron	2240	µg/l	nv

Table I-4.0-8 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2652	0316-97-3011	31-Mar-97	Unfiltered	WGI	Lead	3	µg/l	nv
16-021(c)	16-2652	0316-97-3011	31-Mar-97	Unfiltered	WGI	Magnesium	4760	µg/l	nv
16-021(c)	16-2652	0316-97-3011	31-Mar-97	Unfiltered	WGI	Manganese	12	µg/l	nv
16-021(c)	16-2652	0316-97-3011	31-Mar-97	Unfiltered	WGI	Mercury	0.05	µg/l	nv
16-021(c)	16-2652	0316-97-3011	31-Mar-97	Unfiltered	WGI	Nickel	4	µg/l	nv
16-021(c)	16-2652	0316-97-3011	31-Mar-97	Unfiltered	WGI	Potassium	3380	µg/l	nv
16-021(c)	16-2652	0316-97-3011	31-Mar-97	Unfiltered	WGI	Selenium	1	µg/l	nv
16-021(c)	16-2652	0316-97-3011	31-Mar-97	Unfiltered	WGI	Silver	1	µg/l	nv
16-021(c)	16-2652	0316-97-3011	31-Mar-97	Unfiltered	WGI	Sodium	19800	µg/l	nv
16-021(c)	16-2652	0316-97-3011	31-Mar-97	Unfiltered	WGI	Thallium	2	µg/l	nv
16-021(c)	16-2652	0316-97-3011	31-Mar-97	Unfiltered	WGI	Vanadium	7	µg/l	nv
16-021(c)	16-2652	0316-97-3011	31-Mar-97	Unfiltered	WGI	Zinc	10	µg/l	nv
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Aluminum	173	µg/l	J
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Antimony	3.4	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Arsenic	2.6	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Barium	166	µg/l	J
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Beryllium	0.97	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Cadmium	0.4	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Calcium	27900	µg/l	none
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Chromium, Total	1.7	µg/l	J
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Cobalt	0.9	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Copper	0.9	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Iron	172	µg/l	none
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Lead	1.6	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Magnesium	6370	µg/l	none
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Manganese	1.3	µg/l	J
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Mercury	0.02	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Nickel	1.6	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Potassium	2810	µg/l	J
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Selenium	2.7	µg/l	U

Table I-4.0-8 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Silver	1.2	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Sodium	32500	µg/l	none
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Thallium	8.5	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Vanadium	4.4	µg/l	J
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Zinc	0.9	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Aluminum	299	µg/l	none
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Antimony	3.4	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Arsenic	2.6	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Barium	167	µg/l	J
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Beryllium	0.93	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Cadmium	0.4	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Calcium	27900	µg/l	none
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Chromium, Total	2.2	µg/l	J
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Cobalt	0.9	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Copper	0.9	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Iron	253	µg/l	none
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Lead	1.6	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Magnesium	6380	µg/l	none
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Manganese	1.7	µg/l	J
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Mercury	0.02	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Nickel	1.7	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Potassium	2860	µg/l	J
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Selenium	2.7	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Silver	1.2	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Sodium	32400	µg/l	none
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Thallium	5.5	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Vanadium	5.1	µg/l	J
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Zinc	0.9	µg/l	U
16-021(c)	16-2650	0316-97-3014	27-Jun-97	Filtered	WGI	Calcium	28000	µg/l	nv
16-021(c)	16-2650	0316-97-3014	27-Jun-97	Filtered	WGI	Potassium	2840	µg/l	nv

Table I-4.0-8 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2650	0316-97-3014	27-Jun-97	Filtered	WGI	Sodium	32500	µg/l	nv
16-021(c)	16-2650	0316-97-3015	27-Jun-97	Unfiltered	WGI	Calcium	28100	µg/l	nv
16-021(c)	16-2650	0316-97-3015	27-Jun-97	Unfiltered	WGI	Potassium	2910	µg/l	nv
16-021(c)	16-2650	0316-97-3015	27-Jun-97	Unfiltered	WGI	Sodium	32700	µg/l	nv
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Aluminum	952	µg/l	none
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Antimony	3.4	µg/l	U
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Arsenic	2.6	µg/l	U
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Barium	198	µg/l	J
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Beryllium	0.89	µg/l	U
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Cadmium	0.4	µg/l	U
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Calcium	14700	µg/l	none
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Chromium, Total	1.6	µg/l	J
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Cobalt	0.9	µg/l	U
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Copper	0.9	µg/l	U
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Iron	484	µg/l	none
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Lead	1.6	µg/l	U
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Magnesium	4310	µg/l	J
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Manganese	2.9	µg/l	J
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Mercury	0.02	µg/l	U
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Nickel	3.2	µg/l	U
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Potassium	2930	µg/l	J
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Selenium	2.7	µg/l	U
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Silver	1.2	µg/l	U
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Sodium	15000	µg/l	none
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Thallium	4.6	µg/l	U
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Vanadium	3.6	µg/l	J
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Zinc	0.9	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Aluminum	1220	µg/l	none
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Antimony	3.4	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Arsenic	2.6	µg/l	U

Table I-4.0-8 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Barium	200	µg/l	none
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Beryllium	0.94	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Cadmium	0.4	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Calcium	14900	µg/l	none
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Chromium, Total	1.6	µg/l	J
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Cobalt	0.9	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Copper	0.9	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Iron	637	µg/l	none
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Lead	1.6	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Magnesium	4350	µg/l	J
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Manganese	6.5	µg/l	J
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Mercury	0.02	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Nickel	3	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Potassium	2970	µg/l	J
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Selenium	2.7	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Silver	1.2	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Sodium	14900	µg/l	none
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Thallium	2.2	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Vanadium	3.8	µg/l	J
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Zinc	0.9	µg/l	U
16-021(c)	16-2652	0316-97-3018	27-Jun-97	Filtered	WGI	Calcium	14800	µg/l	nv
16-021(c)	16-2652	0316-97-3018	27-Jun-97	Filtered	WGI	Potassium	2970	µg/l	nv
16-021(c)	16-2652	0316-97-3018	27-Jun-97	Filtered	WGI	Sodium	15000	µg/l	nv
16-021(c)	16-2652	0316-97-3019	27-Jun-97	Unfiltered	WGI	Calcium	14900	µg/l	nv
16-021(c)	16-2652	0316-97-3019	27-Jun-97	Unfiltered	WGI	Potassium	2960	µg/l	nv
16-021(c)	16-2652	0316-97-3019	27-Jun-97	Unfiltered	WGI	Sodium	15100	µg/l	nv
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Aluminum	641	µg/l	none
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Antimony	3.4	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Arsenic	2.6	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Barium	239	µg/l	none

Table I-4.0-8 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Beryllium	1	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Cadmium	0.4	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Calcium	14800	µg/l	none
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Chromium, Total	1.2	µg/l	J
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Cobalt	0.9	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Copper	0.9	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Iron	359	µg/l	none
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Lead	1.6	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Magnesium	4380	µg/l	J
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Manganese	3.4	µg/l	J
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Mercury	0.02	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Nickel	2.6	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Potassium	2920	µg/l	J
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Selenium	2.7	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Silver	1.2	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Sodium	15400	µg/l	none
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Thallium	2.2	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Vanadium	3.2	µg/l	J
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Zinc	0.9	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Aluminum	1080	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Antimony	3.4	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Arsenic	2.6	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Barium	246	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Beryllium	1	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Cadmium	0.4	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Calcium	14900	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Chromium, Total	1.8	µg/l	J
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Cobalt	0.93	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Copper	0.9	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Iron	639	µg/l	none

Table I-4.0-8 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Lead	1.6	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Magnesium	4400	µg/l	J
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Manganese	8.2	µg/l	J
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Mercury	0.02	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Nickel	3	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Potassium	2960	µg/l	J
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Selenium	2.7	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Silver	1.2	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Sodium	15400	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Thallium	2.2	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Vanadium	4	µg/l	J
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Zinc	0.9	µg/l	U
16-021(c)	16-2651	0316-97-3022	27-Jun-97	Filtered	WGI	Calcium	14800	µg/l	nv
16-021(c)	16-2651	0316-97-3022	27-Jun-97	Filtered	WGI	Potassium	2970	µg/l	nv
16-021(c)	16-2651	0316-97-3022	27-Jun-97	Filtered	WGI	Sodium	15400	µg/l	nv
16-021(c)	16-2651	0316-97-3023	27-Jun-97	Unfiltered	WGI	Calcium	14700	µg/l	nv
16-021(c)	16-2651	0316-97-3023	27-Jun-97	Unfiltered	WGI	Potassium	2950	µg/l	nv
16-021(c)	16-2651	0316-97-3023	27-Jun-97	Unfiltered	WGI	Sodium	15500	µg/l	nv
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Aluminum	1700	µg/l	none
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Antimony	20	µg/l	UJ
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Arsenic	23	µg/l	none
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Barium	120	µg/l	none
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Beryllium	4	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Cadmium	5	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Calcium	19000	µg/l	none
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Chromium, Total	10	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Cobalt	20	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Copper	20	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Iron	880	µg/l	none
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Lead	2	µg/l	J

Table I-4.0-8 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Magnesium	4200	µg/l	none
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Manganese	10	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Mercury	0.2	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Nickel	40	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Potassium	2000	µg/l	none
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Selenium	4	µg/l	UJ
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Silver	10	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Sodium	16000	µg/l	none
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Thallium	5	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Vanadium	10	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Zinc	90	µg/l	J
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Aluminum	1600	µg/l	none
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Antimony	20	µg/l	UJ
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Arsenic	17	µg/l	none
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Barium	220	µg/l	none
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Beryllium	4	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Cadmium	5	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Calcium	16000	µg/l	none
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Chromium, Total	10	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Cobalt	20	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Copper	20	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Iron	810	µg/l	none
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Lead	2	µg/l	J
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Magnesium	4200	µg/l	none
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Manganese	10	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Mercury	0.2	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Nickel	40	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Potassium	3000	µg/l	none
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Selenium	4	µg/l	UJ
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Silver	10	µg/l	U

Table I-4.0-8 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Sodium	13000	µg/l	none
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Thallium	5	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Vanadium	10	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Zinc	80	µg/l	J
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Aluminum	1800	µg/l	none
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Antimony	20	µg/l	UJ
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Arsenic	30	µg/l	none
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Barium	220	µg/l	none
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Beryllium	4	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Cadmium	5	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Calcium	16000	µg/l	none
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Chromium, Total	10	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Cobalt	20	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Copper	20	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Iron	720	µg/l	none
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Lead	1	µg/l	J
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Magnesium	4200	µg/l	none
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Manganese	10	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Mercury	0.2	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Nickel	40	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Potassium	3000	µg/l	none
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Selenium	4	µg/l	UJ
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Silver	10	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Sodium	13000	µg/l	none
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Thallium	5	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Vanadium	10	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Zinc	90	µg/l	J
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Aluminum	2400	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Antimony	20	µg/l	UJ
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Arsenic	27	µg/l	none

Table I-4.0-8 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Barium	290	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Beryllium	4	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Cadmium	5	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Calcium	16000	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Chromium, Total	10	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Cobalt	20	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Copper	20	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Iron	1300	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Lead	2	µg/l	J
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Magnesium	4400	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Manganese	20	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Mercury	0.2	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Nickel	40	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Potassium	3000	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Selenium	4	µg/l	UJ
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Silver	10	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Sodium	13000	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Thallium	5	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Vanadium	10	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Zinc	60	µg/l	J
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Aluminum	2000	µg/l	none
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Antimony	20	µg/l	UJ
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Arsenic	26	µg/l	none
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Barium	280	µg/l	none
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Beryllium	4	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Cadmium	5	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Calcium	17000	µg/l	none
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Chromium, Total	10	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Cobalt	20	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Copper	20	µg/l	U

Table I-4.0-8 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Iron	990	µg/l	none
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Lead	1	µg/l	J
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Magnesium	4400	µg/l	none
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Manganese	10	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Mercury	0.2	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Nickel	40	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Potassium	2000	µg/l	none
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Selenium	4	µg/l	UJ
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Silver	10	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Sodium	13000	µg/l	none
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Thallium	5	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Vanadium	10	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Zinc	130	µg/l	J
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Aluminum	4000	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Antimony	20	µg/l	UJ
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Arsenic	24	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Barium	140	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Beryllium	4	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Cadmium	5	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Calcium	200	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Chromium, Total	10	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Cobalt	20	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Copper	20	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Iron	2500	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Lead	3	µg/l	J
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Magnesium	4500	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Manganese	10	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Mercury	0.2	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Nickel	40	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Potassium	2000	µg/l	none

Table I-4.0-8 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Potassium	2000	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Selenium	4	µg/l	UJ
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Silver	10	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Sodium	16000	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Sodium	16000	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Thallium	5	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Vanadium	10	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Zinc	60	µg/l	J
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Zinc	60	µg/l	none
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Aluminum	100	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Antimony	20	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Arsenic	4	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Barium	19	µg/l	none
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Beryllium	4	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Cadmium	5	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Calcium	30000	µg/l	none
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Chromium, Total	10	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Cobalt	20	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Copper	20	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Iron	40	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Lead	1	µg/l	none
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Magnesium	6900	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Manganese	10	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Mercury	0.2	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Nickel	40	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Potassium	3000	µg/l	none
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Selenium	6	µg/l	UJ
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Selenium	6	µg/l	UJ
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Silver	10	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Sodium	33000	µg/l	none

Table I-4.0-8 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Thallium	5	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Vanadium	10	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Zinc	20	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Aluminum	200	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Antimony	20	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Arsenic	4	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Barium	180	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Beryllium	4	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Cadmium	5	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Calcium	30000	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Chromium, Total	10	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Cobalt	20	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Copper	20	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Iron	10	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Lead	2	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Magnesium	6800	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Manganese	10	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Mercury	0.2	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Nickel	40	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Potassium	3000	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Selenium	5	µg/l	UJ
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Selenium	5	µg/l	UJ
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Silver	10	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Sodium	33000	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Thallium	5	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Vanadium	10	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Zinc	20	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Aluminum	100	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Antimony	20	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Arsenic	4	µg/l	U

Table I-4.0-8 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Barium	290	µg/l	none
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Beryllium	4	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Cadmium	5	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Calcium	17000	µg/l	none
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Chromium, Total	10	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Cobalt	20	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Copper	20	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Iron	60	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Lead	4	µg/l	none
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Magnesium	5000	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Manganese	70	µg/l	none
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Mercury	0.2	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Nickel	40	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Potassium	3000	µg/l	none
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Selenium	4	µg/l	UJ
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Selenium	4	µg/l	UJ
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Silver	10	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Sodium	18000	µg/l	none
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Thallium	5	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Vanadium	10	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Zinc	20	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Aluminum	2400	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Antimony	20	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Arsenic	4	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Barium	410	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Beryllium	4	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Cadmium	5	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Calcium	19000	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Chromium, Total	10	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Cobalt	20	µg/l	U

Table I-4.0-8 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Copper	20	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Iron	1800	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Lead	2	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Magnesium	5300	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Manganese	120	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Mercury	0.2	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Nickel	40	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Potassium	4000	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Selenium	4	µg/l	UJ
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Selenium	4	µg/l	UJ
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Silver	10	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Sodium	19000	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Thallium	5	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Vanadium	10	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Zinc	20	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Aluminum	100	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Antimony	20	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Arsenic	4	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Barium	270	µg/l	none
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Beryllium	4	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Cadmium	5	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Calcium	17000	µg/l	none
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Chromium, Total	10	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Cobalt	20	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Copper	20	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Iron	120	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Lead	3	µg/l	none
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Magnesium	4800	µg/l	none
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Manganese	10	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Mercury	0.2	µg/l	U

Table I-4.0-8 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Nickel	40	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Potassium	3000	µg/l	none
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Selenium	4	µg/l	UJ
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Selenium	4	µg/l	UJ
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Silver	10	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Sodium	18000	µg/l	none
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Thallium	5	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Vanadium	10	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Zinc	20	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Aluminum	600	µg/l	none
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Antimony	20	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Arsenic	4	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Barium	280	µg/l	none
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Beryllium	4	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Cadmium	5	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Calcium	17000	µg/l	none
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Chromium, Total	10	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Cobalt	20	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Copper	20	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Iron	430	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Lead	1	µg/l	none
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Magnesium	4900	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Manganese	10	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Mercury	0.2	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Nickel	40	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Potassium	3000	µg/l	none
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Selenium	4	µg/l	UJ
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Selenium	4	µg/l	UJ
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Silver	10	µg/l	U

Table I-4.0-8 (concluded)

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Sodium	17000	µg/l	none
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Thallium	5	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Vanadium	10	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Zinc	20	µg/l	U

[a] NA = Not applicable.

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Table I-4.0-9
Water Quality Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
NA[a]	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Cyanide, Total	10	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Cyanide, Total	10	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Cyanide, Total	10	µg/l	U
16-021(c)	16-2650	0316-97-3002	31-Mar-97	Filtered	WGI	Bicarbonate	99200	µg/l	nv
16-021(c)	16-2650	0316-97-3002	31-Mar-97	Filtered	WGI	Boron	1340	µg/l	nv
16-021(c)	16-2650	0316-97-3002	31-Mar-97	Filtered	WGI	Bromide	110	µg/l	nv
16-021(c)	16-2650	0316-97-3002	31-Mar-97	Filtered	WGI	Carbonate	0	µg/l	nv
16-021(c)	16-2650	0316-97-3002	31-Mar-97	Filtered	WGI	Cesium	2	µg/l	U,nv
16-021(c)	16-2650	0316-97-3002	31-Mar-97	Filtered	WGI	Chlorate	20	µg/l	U,nv
16-021(c)	16-2650	0316-97-3002	31-Mar-97	Filtered	WGI	Chloride	19700	µg/l	nv
16-021(c)	16-2650	0316-97-3002	31-Mar-97	Filtered	WGI	Conductivity	280	UMHOS	nv
16-021(c)	16-2650	0316-97-3002	31-Mar-97	Filtered	WGI	Fluoride	640	µg/l	nv
16-021(c)	16-2650	0316-97-3002	31-Mar-97	Filtered	WGI	Iodide	20	µg/l	nv
16-021(c)	16-2650	0316-97-3002	31-Mar-97	Filtered	WGI	Lithium	10	µg/l	U,nv
16-021(c)	16-2650	0316-97-3002	31-Mar-97	Filtered	WGI	Molybdenum	10	µg/l	U,nv
16-021(c)	16-2650	0316-97-3002	31-Mar-97	Filtered	WGI	Nitrogen, Ammonium (Expressed as NH4)	40	µg/l	nv
16-021(c)	16-2650	0316-97-3002	31-Mar-97	Filtered	WGI	Nitrogen, Nitrate (Expressed as NO3)	10700	µg/l	nv
16-021(c)	16-2650	0316-97-3002	31-Mar-97	Filtered	WGI	Nitrogen, Nitrite (Expressed as NO2)	20	µg/l	U,nv
16-021(c)	16-2650	0316-97-3002	31-Mar-97	Filtered	WGI	pH	7.14	SU	nv
16-021(c)	16-2650	0316-97-3002	31-Mar-97	Filtered	WGI	Phosphorus, Orthophosphate (Expressed as PO4)	130	µg/l	nv
16-021(c)	16-2650	0316-97-3002	31-Mar-97	Filtered	WGI	Rubidium	5	µg/l	nv
16-021(c)	16-2650	0316-97-3002	31-Mar-97	Filtered	WGI	Silicon	18200	µg/l	nv
16-021(c)	16-2650	0316-97-3002	31-Mar-97	Filtered	WGI	Silicon Dioxide	38900	µg/l	nv
16-021(c)	16-2650	0316-97-3002	31-Mar-97	Filtered	WGI	Solids, Total Dissolved	249468	µg/l	nv

Table I-4.0-9 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2650	0316-97-3002	31-Mar-97	Filtered	WGI	Strontium	100	µg/l	nv
16-021(c)	16-2650	0316-97-3002	31-Mar-97	Filtered	WGI	Sulfate	15400	µg/l	nv
16-021(c)	16-2650	0316-97-3002	31-Mar-97	Filtered	WGI	Thiosulfate	10	µg/l	U,nv
16-021(c)	16-2650	0316-97-3002	31-Mar-97	Filtered	WGI	Tin	5	µg/l	U,nv
16-021(c)	16-2650	0316-97-3002	31-Mar-97	Filtered	WGI	Titanium	67	µg/l	nv
16-021(c)	16-2651	0316-97-3005	31-Mar-97	Filtered	WGI	Bicarbonate	79200	µg/l	nv
16-021(c)	16-2651	0316-97-3005	31-Mar-97	Filtered	WGI	Boron	40	µg/l	nv
16-021(c)	16-2651	0316-97-3005	31-Mar-97	Filtered	WGI	Bromide	40	µg/l	nv
16-021(c)	16-2651	0316-97-3005	31-Mar-97	Filtered	WGI	Carbonate	0	µg/l	nv
16-021(c)	16-2651	0316-97-3005	31-Mar-97	Filtered	WGI	Cesium	2	µg/l	U,nv
16-021(c)	16-2651	0316-97-3005	31-Mar-97	Filtered	WGI	Chlorate	20	µg/l	U,nv
16-021(c)	16-2651	0316-97-3005	31-Mar-97	Filtered	WGI	Chloride	18000	µg/l	nv
16-021(c)	16-2651	0316-97-3005	31-Mar-97	Filtered	NAv[b]	Conductivity	218	UMHOS	nv
16-021(c)	16-2651	0316-97-3005	31-Mar-97	Filtered	WGI	Fluoride	210	µg/l	nv
16-021(c)	16-2651	0316-97-3005	31-Mar-97	Filtered	WGI	Iodide	10	µg/l	U,nv
16-021(c)	16-2651	0316-97-3005	31-Mar-97	Filtered	WGI	Lithium	10	µg/l	U,nv
16-021(c)	16-2651	0316-97-3005	31-Mar-97	Filtered	WGI	Molybdenum	10	µg/l	U,nv
16-021(c)	16-2651	0316-97-3005	31-Mar-97	Filtered	WGI	Nitrogen, Ammonium (Expressed as NH4)	40	µg/l	nv
16-021(c)	16-2651	0316-97-3005	31-Mar-97	Filtered	WGI	Nitrogen, Nitrate (Expressed as NO3)	3830	µg/l	nv
16-021(c)	16-2651	0316-97-3005	31-Mar-97	Filtered	WGI	Nitrogen, Nitrite (Expressed as NO2)	20	µg/l	U,nv
16-021(c)	16-2651	0316-97-3005	31-Mar-97	Filtered	WGI	pH	7.44	SU	nv
16-021(c)	16-2651	0316-97-3005	31-Mar-97	Filtered	WGI	Phosphorus, Orthophosphate (Expressed as PO4)	170	µg/l	nv
16-021(c)	16-2651	0316-97-3005	31-Mar-97	Filtered	WGI	Rubidium	7	µg/l	nv
16-021(c)	16-2651	0316-97-3005	31-Mar-97	Filtered	WGI	Silicon	25500	µg/l	nv
16-021(c)	16-2651	0316-97-3005	31-Mar-97	Filtered	WGI	Silicon Dioxide	54600	µg/l	nv
16-021(c)	16-2651	0316-97-3005	31-Mar-97	Filtered	WGI	Solids, Total Dissolved	215229	µg/l	nv

Table I-4.0-9 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2651	0316-97-3005	31-Mar-97	Filtered	WGI	Strontium	100	µg/l	nv
16-021(c)	16-2651	0316-97-3005	31-Mar-97	Filtered	WGI	Sulfate	9410	µg/l	nv
16-021(c)	16-2651	0316-97-3005	31-Mar-97	Filtered	WGI	Thiosulfate	10	µg/l	U,nv
16-021(c)	16-2651	0316-97-3005	31-Mar-97	Filtered	WGI	Tin	5	µg/l	U,nv
16-021(c)	16-2651	0316-97-3005	31-Mar-97	Filtered	WGI	Titanium	57	µg/l	nv
16-021(c)	16-2652	0316-97-3008	31-Mar-97	Filtered	WGI	Bicarbonate	78100	µg/l	nv
16-021(c)	16-2652	0316-97-3008	31-Mar-97	Filtered	WGI	Boron	20	µg/l	nv
16-021(c)	16-2652	0316-97-3008	31-Mar-97	Filtered	WGI	Bromide	70	µg/l	nv
16-021(c)	16-2652	0316-97-3008	31-Mar-97	Filtered	WGI	Carbonate	0	µg/l	nv
16-021(c)	16-2652	0316-97-3008	31-Mar-97	Filtered	WGI	Cesium	2	µg/l	U,nv
16-021(c)	16-2652	0316-97-3008	31-Mar-97	Filtered	WGI	Chlorate	20	µg/l	U,nv
16-021(c)	16-2652	0316-97-3008	31-Mar-97	Filtered	WGI	Chloride	17800	µg/l	nv
16-021(c)	16-2652	0316-97-3008	31-Mar-97	Filtered	WGI	Conductivity	213	UMHOS	nv
16-021(c)	16-2652	0316-97-3008	31-Mar-97	Filtered	WGI	Fluoride	220	µg/l	nv
16-021(c)	16-2652	0316-97-3008	31-Mar-97	Filtered	WGI	Iodide	10	µg/l	U,nv
16-021(c)	16-2652	0316-97-3008	31-Mar-97	Filtered	WGI	Lithium	10	µg/l	U,nv
16-021(c)	16-2652	0316-97-3008	31-Mar-97	Filtered	WGI	Molybdenum	10	µg/l	U,nv
16-021(c)	16-2652	0316-97-3008	31-Mar-97	Filtered	WGI	Nitrogen, Ammonium (Expressed as NH4)	40	µg/l	nv
16-021(c)	16-2652	0316-97-3008	31-Mar-97	Filtered	WGI	Nitrogen, Nitrate (Expressed as NO3)	3540	µg/l	nv
16-021(c)	16-2652	0316-97-3008	31-Mar-97	Filtered	WGI	Nitrogen, Nitrite (Expressed as NO2)	20	µg/l	U,nv
16-021(c)	16-2652	0316-97-3008	31-Mar-97	Filtered	WGI	pH	7.34	SU	nv
16-021(c)	16-2652	0316-97-3008	31-Mar-97	Filtered	WGI	Phosphorus, Orthophosphate (Expressed as PO4)	230	µg/l	nv
16-021(c)	16-2652	0316-97-3008	31-Mar-97	Filtered	WGI	Rubidium	7	µg/l	nv
16-021(c)	16-2652	0316-97-3008	31-Mar-97	Filtered	WGI	Silicon	28700	µg/l	nv
16-021(c)	16-2652	0316-97-3008	31-Mar-97	Filtered	WGI	Silicon Dioxide	61400	µg/l	nv
16-021(c)	16-2652	0316-97-3008	31-Mar-97	Filtered	WGI	Solids, Total Dissolved	220878	µg/l	nv

Table I-4.0-9 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2652	0316-97-3008	31-Mar-97	Filtered	WGI	Strontium	100	µg/l	nv
16-021(c)	16-2652	0316-97-3008	31-Mar-97	Filtered	WGI	Sulfate	9300	µg/l	nv
16-021(c)	16-2652	0316-97-3008	31-Mar-97	Filtered	WGI	Thiosulfate	10	µg/l	U,nv
16-021(c)	16-2652	0316-97-3008	31-Mar-97	Filtered	WGI	Tin	5	µg/l	U,nv
16-021(c)	16-2652	0316-97-3008	31-Mar-97	Filtered	WGI	Titanium	74	µg/l	nv
16-021(c)	16-2650	0316-97-3009	31-Mar-97	Unfiltered	WGI	Bicarbonate	99800	µg/l	nv
16-021(c)	16-2650	0316-97-3009	31-Mar-97	Unfiltered	WGI	Boron	1320	µg/l	nv
16-021(c)	16-2650	0316-97-3009	31-Mar-97	Unfiltered	WGI	Bromide	110	µg/l	nv
16-021(c)	16-2650	0316-97-3009	31-Mar-97	Unfiltered	WGI	Carbonate	0	µg/l	nv
16-021(c)	16-2650	0316-97-3009	31-Mar-97	Unfiltered	WGI	Cesium	2	µg/l	U,nv
16-021(c)	16-2650	0316-97-3009	31-Mar-97	Unfiltered	WGI	Chlorate	20	µg/l	U,nv
16-021(c)	16-2650	0316-97-3009	31-Mar-97	Unfiltered	WGI	Chloride	19600	µg/l	nv
16-021(c)	16-2650	0316-97-3009	31-Mar-97	Unfiltered	WGI	Conductivity	280	UMHOS	nv
16-021(c)	16-2650	0316-97-3009	31-Mar-97	Unfiltered	WGI	Fluoride	630	µg/l	nv
16-021(c)	16-2650	0316-97-3009	31-Mar-97	Unfiltered	WGI	Iodide	20	µg/l	nv
16-021(c)	16-2650	0316-97-3009	31-Mar-97	Unfiltered	WGI	Lithium	10	µg/l	U,nv
16-021(c)	16-2650	0316-97-3009	31-Mar-97	Unfiltered	WGI	Molybdenum	0	µg/l	U,nv
16-021(c)	16-2650	0316-97-3009	31-Mar-97	Unfiltered	WGI	Nitrogen, Ammonium (Expressed as NH4)	40	µg/l	nv
16-021(c)	16-2650	0316-97-3009	31-Mar-97	Unfiltered	WGI	Nitrogen, Nitrate (Expressed as NO3)	9830	µg/l	nv
16-021(c)	16-2650	0316-97-3009	31-Mar-97	Unfiltered	WGI	Nitrogen, Nitrite (Expressed as NO2)	20	µg/l	U,nv
16-021(c)	16-2650	0316-97-3009	31-Mar-97	Unfiltered	WGI	pH	7.09	SU	nv
16-021(c)	16-2650	0316-97-3009	31-Mar-97	Unfiltered	WGI	Phosphorus, Orthophosphate (Expressed as PO4)	120	µg/l	nv
16-021(c)	16-2650	0316-97-3009	31-Mar-97	Unfiltered	WGI	Rubidium	100	µg/l	nv
16-021(c)	16-2650	0316-97-3009	31-Mar-97	Unfiltered	WGI	Silicon	28700	µg/l	nv
16-021(c)	16-2650	0316-97-3009	31-Mar-97	Unfiltered	WGI	Silicon Dioxide	61400	µg/l	nv
16-021(c)	16-2650	0316-97-3009	31-Mar-97	Unfiltered	WGI	Solids, Total Dissolved	274410	µg/l	nv

Table I-4.0-9 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2650	0316-97-3009	31-Mar-97	Unfiltered	WGI	Strontium	110	µg/l	nv
16-021(c)	16-2650	0316-97-3009	31-Mar-97	Unfiltered	WGI	Sulfate	15300	µg/l	nv
16-021(c)	16-2650	0316-97-3009	31-Mar-97	Unfiltered	WGI	Thiosulfate	10	µg/l	U,nv
16-021(c)	16-2650	0316-97-3009	31-Mar-97	Unfiltered	WGI	Tin	5	µg/l	U,nv
16-021(c)	16-2650	0316-97-3009	31-Mar-97	Unfiltered	WGI	Titanium	91	µg/l	nv
16-021(c)	16-2651	0316-97-3010	31-Mar-97	Unfiltered	WGI	Bicarbonate	80200	µg/l	nv
16-021(c)	16-2651	0316-97-3010	31-Mar-97	Unfiltered	WGI	Boron	40	µg/l	nv
16-021(c)	16-2651	0316-97-3010	31-Mar-97	Unfiltered	WGI	Bromide	70	µg/l	nv
16-021(c)	16-2651	0316-97-3010	31-Mar-97	Unfiltered	WGI	Carbonate	0	µg/l	nv
16-021(c)	16-2651	0316-97-3010	31-Mar-97	Unfiltered	WGI	Cesium	2	µg/l	U,nv
16-021(c)	16-2651	0316-97-3010	31-Mar-97	Unfiltered	WGI	Chlorate	20	µg/l	U,nv
16-021(c)	16-2651	0316-97-3010	31-Mar-97	Unfiltered	WGI	Chloride	17900	µg/l	nv
16-021(c)	16-2651	0316-97-3010	31-Mar-97	Unfiltered	WGI	Conductivity	219	UMHOS	nv
16-021(c)	16-2651	0316-97-3010	31-Mar-97	Unfiltered	WGI	Fluoride	220	µg/l	nv
16-021(c)	16-2651	0316-97-3010	31-Mar-97	Unfiltered	WGI	Iodide	10	µg/l	U,nv
16-021(c)	16-2651	0316-97-3010	31-Mar-97	Unfiltered	WGI	Lithium	10	µg/l	nv
16-021(c)	16-2651	0316-97-3010	31-Mar-97	Unfiltered	WGI	Molybdenum	10	µg/l	nv
16-021(c)	16-2651	0316-97-3010	31-Mar-97	Unfiltered	WGI	Nitrogen, Ammonium (Expressed as NH4)	40	µg/l	nv
16-021(c)	16-2651	0316-97-3010	31-Mar-97	Unfiltered	WGI	Nitrogen, Nitrite (Expressed as NO2)	20	µg/l	U,nv
16-021(c)	16-2651	0316-97-3010	31-Mar-97	Unfiltered	WGI	Nitrogen, Nitrite (Expressed as NO2)	3340	µg/l	nv
16-021(c)	16-2651	0316-97-3010	31-Mar-97	Unfiltered	WGI	pH	7.37	SU	nv
16-021(c)	16-2651	0316-97-3010	31-Mar-97	Unfiltered	WGI	Phosphorus, Orthophosphate (Expressed as PO4)	140	µg/l	nv
16-021(c)	16-2651	0316-97-3010	31-Mar-97	Unfiltered	WGI	Rubidium	14	µg/l	nv
16-021(c)	16-2651	0316-97-3010	31-Mar-97	Unfiltered	WGI	Silicon	29400	µg/l	nv
16-021(c)	16-2651	0316-97-3010	31-Mar-97	Unfiltered	WGI	Silicon Dioxide	62900	µg/l	nv
16-021(c)	16-2651	0316-97-3010	31-Mar-97	Unfiltered	WGI	Solids, Total Dissolved	227980	µg/l	nv

Table I-4.0-9 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2651	0316-97-3010	31-Mar-97	Unfiltered	WGI	Strontium	100	µg/l	nv
16-021(c)	16-2651	0316-97-3010	31-Mar-97	Unfiltered	WGI	Sulfate	9240	µg/l	nv
16-021(c)	16-2651	0316-97-3010	31-Mar-97	Unfiltered	WGI	Thiosulfate	10	µg/l	U,nv
16-021(c)	16-2651	0316-97-3010	31-Mar-97	Unfiltered	WGI	Tin	5	µg/l	U,nv
16-021(c)	16-2651	0316-97-3010	31-Mar-97	Unfiltered	WGI	Titanium	110	µg/l	nv
16-021(c)	16-2652	0316-97-3011	31-Mar-97	Unfiltered	WGI	Bicarbonate	78300	µg/l	nv
16-021(c)	16-2652	0316-97-3011	31-Mar-97	Unfiltered	WGI	Boron	20	µg/l	nv
16-021(c)	16-2652	0316-97-3011	31-Mar-97	Unfiltered	WGI	Bromide	60	µg/l	nv
16-021(c)	16-2652	0316-97-3011	31-Mar-97	Unfiltered	WGI	Carbonate	0	µg/l	nv
16-021(c)	16-2652	0316-97-3011	31-Mar-97	Unfiltered	WGI	Cesium	2	µg/l	nv
16-021(c)	16-2652	0316-97-3011	31-Mar-97	Unfiltered	WGI	Chlorate	20	µg/l	U,nv
16-021(c)	16-2652	0316-97-3011	31-Mar-97	Unfiltered	WGI	Chloride	17200	µg/l	nv
16-021(c)	16-2652	0316-97-3011	31-Mar-97	Unfiltered	WGI	Conductivity	213	UMHOS	nv
16-021(c)	16-2652	0316-97-3011	31-Mar-97	Unfiltered	WGI	Fluoride	190	µg/l	nv
16-021(c)	16-2652	0316-97-3011	31-Mar-97	Unfiltered	WGI	Iodide	10	µg/l	U,nv
16-021(c)	16-2652	0316-97-3011	31-Mar-97	Unfiltered	WGI	Lithium	10	µg/l	U,nv
16-021(c)	16-2652	0316-97-3011	31-Mar-97	Unfiltered	WGI	Molybdenum	10	µg/l	U,nv
16-021(c)	16-2652	0316-97-3011	31-Mar-97	Unfiltered	WGI	Nitrogen, Ammonium (Expressed as NH4)	40	µg/l	nv
16-021(c)	16-2652	0316-97-3011	31-Mar-97	Unfiltered	WGI	Nitrogen, Nitrate (Expressed as NO3)	3140	µg/l	nv
16-021(c)	16-2652	0316-97-3011	31-Mar-97	Unfiltered	WGI	Nitrogen, Nitrite (Expressed as NO2)	20	µg/l	U,nv
16-021(c)	16-2652	0316-97-3011	31-Mar-97	Unfiltered	WGI	pH	7.25	SU	nv
16-021(c)	16-2652	0316-97-3011	31-Mar-97	Unfiltered	WGI	Phosphorus, Orthophosphate (Expressed as PO4)	150	µg/l	nv
16-021(c)	16-2652	0316-97-3011	31-Mar-97	Unfiltered	WGI	Rubidium	13	µg/l	nv
16-021(c)	16-2652	0316-97-3011	31-Mar-97	Unfiltered	WGI	Silicon	27700	µg/l	nv
16-021(c)	16-2652	0316-97-3011	31-Mar-97	Unfiltered	WGI	Silicon Dioxide	59300	µg/l	nv
16-021(c)	16-2652	0316-97-3011	31-Mar-97	Unfiltered	WGI	Solids, Total Dissolved	218820	µg/l	nv

Table I-4.0-9 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2652	0316-97-3011	31-Mar-97	Unfiltered	WGI	Strontium	100	µg/l	nv
16-021(c)	16-2652	0316-97-3011	31-Mar-97	Unfiltered	WGI	Sulfate	9070	µg/l	nv
16-021(c)	16-2652	0316-97-3011	31-Mar-97	Unfiltered	WGI	Thiosulfate	10	µg/l	U,nv
16-021(c)	16-2652	0316-97-3011	31-Mar-97	Unfiltered	WGI	Tin	5	µg/l	U,nv
16-021(c)	16-2652	0316-97-3011	31-Mar-97	Unfiltered	WGI	Titanium	98	µg/l	nv
16-021(c)	16-2650	0316-97-3014	27-Jun-97	Filtered	WGI	Alkalinity, Total (Methyl- Orange [pH=4.5] end point)	95000	µg/l	nv
16-021(c)	16-2650	0316-97-3014	27-Jun-97	Filtered	WGI	Boron	1800	µg/l	nv
16-021(c)	16-2650	0316-97-3014	27-Jun-97	Filtered	WGI	Bromide	200	µg/l	U,nv
16-021(c)	16-2650	0316-97-3014	27-Jun-97	Filtered	WGI	Chloride	20000	µg/l	nv
16-021(c)	16-2650	0316-97-3014	27-Jun-97	Filtered	WGI	Conductivity	339	UMHOS	nv
16-021(c)	16-2650	0316-97-3014	27-Jun-97	Filtered	WGI	Fluoride	600	µg/l	nv
16-021(c)	16-2650	0316-97-3014	27-Jun-97	Filtered	WGS	pH	7.2	SU	nv
16-021(c)	16-2650	0316-97-3014	27-Jun-97	Filtered	WGI	Silicon	23400	µg/l	nv
16-021(c)	16-2650	0316-97-3014	27-Jun-97	Filtered	WGI	Solids, Total Dissolved	220000	µg/l	nv
16-021(c)	16-2650	0316-97-3014	27-Jun-97	Filtered	WGI	Solids, Total Suspended	40000	µg/l	U,nv
16-021(c)	16-2650	0316-97-3014	27-Jun-97	Filtered	WGI	Sulfate	19000	µg/l	nv
16-021(c)	16-2650	0316-97-3014	27-Jun-97	Filtered	WGI	Turbidity	3.8	NTU	nv
16-021(c)	16-2650	0316-97-3015	27-Jun-97	Unfiltered	WGI	Alkalinity, Total (Methyl- Orange [pH=4.5] end point)	87000	µg/l	nv
16-021(c)	16-2650	0316-97-3015	27-Jun-97	Unfiltered	WGI	Boron	1800	µg/l	nv
16-021(c)	16-2650	0316-97-3015	27-Jun-97	Unfiltered	WGI	Bromide	200	µg/l	U,nv
16-021(c)	16-2650	0316-97-3015	27-Jun-97	Unfiltered	WGI	Chloride	21000	µg/l	nv
16-021(c)	16-2650	0316-97-3015	27-Jun-97	Unfiltered	WGI	Conductivity	335	UMHOS	nv
16-021(c)	16-2650	0316-97-3015	27-Jun-97	Unfiltered	WGI	Fluoride	700	µg/l	nv
16-021(c)	16-2650	0316-97-3015	27-Jun-97	Unfiltered	WGS	pH	8	SU	nv
16-021(c)	16-2650	0316-97-3015	27-Jun-97	Unfiltered	WGI	Silicon	23300	µg/l	nv
16-021(c)	16-2650	0316-97-3015	27-Jun-97	Unfiltered	WGI	Solids, Total Dissolved	240000	µg/l	nv
16-021(c)	16-2650	0316-97-3015	27-Jun-97	Unfiltered	WGI	Solids, Total Suspended	40000	µg/l	U,nv
16-021(c)	16-2650	0316-97-3015	27-Jun-97	Unfiltered	WGI	Sulfate	20000	µg/l	nv

Table I-4.0-9 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2650	0316-97-3015	27-Jun-97	Unfiltered	WGI	Turbidity	1	NTU	nv
16-021(c)	16-2652	0316-97-3018	27-Jun-97	Filtered	WGI	Alkalinity, Total (Methyl- Orange [pH=4.5] end point)	66000	µg/l	nv
16-021(c)	16-2652	0316-97-3018	27-Jun-97	Filtered	WGI	Boron	47.9	µg/l	nv
16-021(c)	16-2652	0316-97-3018	27-Jun-97	Filtered	WGI	Bromide	200	µg/l	U,nv
16-021(c)	16-2652	0316-97-3018	27-Jun-97	Filtered	WGI	Chloride	13000	µg/l	nv
16-021(c)	16-2652	0316-97-3018	27-Jun-97	Filtered	WGI	Conductivity	189	UMHOS	nv
16-021(c)	16-2652	0316-97-3018	27-Jun-97	Filtered	WGI	Fluoride	200	µg/l	nv
16-021(c)	16-2652	0316-97-3018	27-Jun-97	Filtered	WGS	pH	7.3	SU	nv
16-021(c)	16-2652	0316-97-3018	27-Jun-97	Filtered	WGI	Silicon	21300	µg/l	nv
16-021(c)	16-2652	0316-97-3018	27-Jun-97	Filtered	WGI	Solids, Total Dissolved	150000	µg/l	nv
16-021(c)	16-2652	0316-97-3018	27-Jun-97	Filtered	WGI	Solids, Total Suspended	62000	µg/l	nv
16-021(c)	16-2652	0316-97-3018	27-Jun-97	Filtered	WGI	Sulfate	7000	µg/l	nv
16-021(c)	16-2652	0316-97-3018	27-Jun-97	Filtered	WGI	Turbidity	10.5	NTU	nv
16-021(c)	16-2652	0316-97-3019	27-Jun-97	Unfiltered	WGI	Alkalinity, Total (Methyl- Orange [pH=4.5] end point)	67000	µg/l	nv
16-021(c)	16-2652	0316-97-3019	27-Jun-97	Unfiltered	WGI	Boron	31	µg/l	nv
16-021(c)	16-2652	0316-97-3019	27-Jun-97	Unfiltered	WGI	Bromide	200	µg/l	U,nv
16-021(c)	16-2652	0316-97-3019	27-Jun-97	Unfiltered	WGI	Chloride	13000	µg/l	nv
16-021(c)	16-2652	0316-97-3019	27-Jun-97	Unfiltered	WGI	Conductivity	188	UMHOS	nv
16-021(c)	16-2652	0316-97-3019	27-Jun-97	Unfiltered	WGI	Fluoride	200	µg/l	nv
16-021(c)	16-2652	0316-97-3019	27-Jun-97	Unfiltered	WGS	pH	7.3	SU	nv
16-021(c)	16-2652	0316-97-3019	27-Jun-97	Unfiltered	WGI	Silicon	20900	µg/l	nv
16-021(c)	16-2652	0316-97-3019	27-Jun-97	Unfiltered	WGI	Solids, Total Dissolved	150000	µg/l	nv
16-021(c)	16-2652	0316-97-3019	27-Jun-97	Unfiltered	WGI	Solids, Total Suspended	40000	µg/l	U,nv
16-021(c)	16-2652	0316-97-3019	27-Jun-97	Unfiltered	WGI	Sulfate	8000	µg/l	nv
16-021(c)	16-2652	0316-97-3019	27-Jun-97	Unfiltered	WGI	Turbidity	7.3	NTU	nv
16-021(c)	16-2651	0316-97-3022	27-Jun-97	Filtered	WGI	Alkalinity, Total (Methyl- Orange [pH=4.5] end point)	55000	µg/l	nv
16-021(c)	16-2651	0316-97-3022	27-Jun-97	Filtered	WGI	Boron	35.9	µg/l	nv

Table I-4.0-9 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2651	0316-97-3022	27-Jun-97	Filtered	WGI	Bromide	200	µg/l	U,nv
16-021(c)	16-2651	0316-97-3022	27-Jun-97	Filtered	WGI	Chloride	13000	µg/l	nv
16-021(c)	16-2651	0316-97-3022	27-Jun-97	Filtered	WGI	Conductivity	189	UMHOS	nv
16-021(c)	16-2651	0316-97-3022	27-Jun-97	Filtered	WGI	Fluoride	200	µg/l	nv
16-021(c)	16-2651	0316-97-3022	27-Jun-97	Filtered	WGS	pH	7.7	SU	nv
16-021(c)	16-2651	0316-97-3022	27-Jun-97	Filtered	WGI	Silicon	20700	µg/l	nv
16-021(c)	16-2651	0316-97-3022	27-Jun-97	Filtered	WGI	Solids, Total Dissolved	150000	µg/l	nv
16-021(c)	16-2651	0316-97-3022	27-Jun-97	Filtered	WGI	Solids, Total Suspended	40000	µg/l	U,nv
16-021(c)	16-2651	0316-97-3022	27-Jun-97	Filtered	WGI	Sulfate	8000	µg/l	nv
16-021(c)	16-2651	0316-97-3022	27-Jun-97	Filtered	WGI	Turbidity	7.4	NTU	nv
16-021(c)	16-2651	0316-97-3023	27-Jun-97	Unfiltered	WGI	Alkalinity, Total (Methyl- Orange [pH=4.5] end point)	69000	µg/l	nv
16-021(c)	16-2651	0316-97-3023	27-Jun-97	Unfiltered	WGI	Boron	50.7	µg/l	nv
16-021(c)	16-2651	0316-97-3023	27-Jun-97	Unfiltered	WGI	Bromide	200	µg/l	U,nv
16-021(c)	16-2651	0316-97-3023	27-Jun-97	Unfiltered	WGI	Chloride	13000	µg/l	nv
16-021(c)	16-2651	0316-97-3023	27-Jun-97	Unfiltered	WGI	Conductivity	190	UMHOS	nv
16-021(c)	16-2651	0316-97-3023	27-Jun-97	Unfiltered	WGI	Fluoride	200	µg/l	nv
16-021(c)	16-2651	0316-97-3023	27-Jun-97	Unfiltered	WGS	pH	7.6	SU	nv
16-021(c)	16-2651	0316-97-3023	27-Jun-97	Unfiltered	WGI	Silicon	21300	µg/l	nv
16-021(c)	16-2651	0316-97-3023	27-Jun-97	Unfiltered	WGI	Solids, Total Dissolved	160000	µg/l	nv
16-021(c)	16-2651	0316-97-3023	27-Jun-97	Unfiltered	WGI	Solids, Total Suspended	40000	µg/l	U,nv
16-021(c)	16-2651	0316-97-3023	27-Jun-97	Unfiltered	WGI	Sulfate	8000	µg/l	nv
16-021(c)	16-2651	0316-97-3023	27-Jun-97	Unfiltered	WGI	Turbidity	8.2	NTU	nv
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Alkalinity, Total (Methyl- Orange [pH=4.5] end point)	73000	µg/l	nv
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Bromide	2000	µg/l	U,nv
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Chloride	13000	µg/l	nv
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Conductivity	240	UMHOS	nv
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Fluoride	300	µg/l	nv
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	pH	7.37	SU	nv

Table I-4.0-9 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Silicon	19000	µg/l	nv
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Solids, Total Dissolved	200000	µg/l	nv
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Solids, Total Suspended	5000	µg/l	U,nv
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Sulfate	17000	µg/l	nv
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Turbidity	22	NTU	nv
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Alkalinity, Total (Methyl- Orange [pH=4.5] end point)	61000	µg/l	nv
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Bromide	2000	µg/l	U,nv
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Chloride	18000	µg/l	nv
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Conductivity	180	UMHOS	nv
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Fluoride	200	µg/l	nv
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	pH	7.19	SU	nv
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Silicon	20000	µg/l	nv
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Solids, Total Dissolved	150000	µg/l	nv
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Solids, Total Suspended	5000	µg/l	U,nv
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Sulfate	13000	µg/l	nv
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Turbidity	17	NTU	nv
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Alkalinity, Total (Methyl- Orange [pH=4.5] end point)	64000	µg/l	nv
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Bromide	2000	µg/l	U,nv
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Chloride	19000	µg/l	nv
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Conductivity	200	UMHOS	nv
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Fluoride	200	µg/l	nv
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	pH	7.21	SU	nv
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Silicon	19000	µg/l	nv
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Solids, Total Dissolved	140000	µg/l	nv
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Solids, Total Suspended	5000	µg/l	U,nv
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Sulfate	12000	µg/l	nv
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Turbidity	12	NTU	nv

Table I-4.0-9 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Alkalinity, Total (Methyl- Orange [pH=4.5] end point)	57000	µg/l	nv
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Bromide	2000	µg/l	U,nv
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Chloride	18000	µg/l	nv
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Conductivity	200	UMHOS	nv
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Fluoride	200	µg/l	nv
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	pH	7.38	SU	nv
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Silicon	21000	µg/l	nv
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Solids, Total Dissolved	170000	µg/l	nv
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Solids, Total Suspended	7000	µg/l	U,nv
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Sulfate	15000	µg/l	nv
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Turbidity	23	NTU	nv
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Alkalinity, Total (Methyl- Orange [pH=4.5] end point)	61000	µg/l	nv
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Bromide	2000	µg/l	U,nv
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Chloride	18000	µg/l	nv
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Conductivity	180	UMHOS	nv
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Fluoride	200	µg/l	nv
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	pH	7.39	SU	nv
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Silicon	20000	µg/l	nv
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Solids, Total Dissolved	160000	µg/l	nv
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Solids, Total Suspended	5000	µg/l	U,nv
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Sulfate	13000	µg/l	nv
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Turbidity	16	NTU	nv
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Alkalinity, Total (Methyl- Orange [pH=4.5] end point)	66000	µg/l	nv
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Boron	1500	µg/l	nv
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Chloride	11000	µg/l	nv
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Conductivity	230	UMHOS	nv
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Fluoride	600	µg/l	nv

Table I-4.0-9 (continued)

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	pH	7.52	SU	nv
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Solids, Total Dissolved	230000	µg/l	nv
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Solids, Total Suspended	5000	µg/l	nv
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Sulfate	17000	µg/l	nv
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Turbidity	42	NTU	nv
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Bromide	2000	µg/l	U,nv
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Chloride	22000	µg/l	nv
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Cyanide, Total	10	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Fluoride	800	µg/l	nv
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Nitrogen, Nitrate + Nitrite (Expressed as N)	5000	µg/l	none
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Sulfate	21000	µg/l	nv
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Bromide	2000	µg/l	U,nv
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Chloride	19000	µg/l	nv
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Cyanide, Total	10	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Fluoride	800	µg/l	nv
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Nitrogen, Nitrate + Nitrite (Expressed as N)	5000	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Sulfate	29000	µg/l	nv
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Bromide	2000	µg/l	U,nv
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Chloride	13000	µg/l	nv
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Cyanide, Total	10	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Fluoride	100	µg/l	nv
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Nitrogen, Nitrate + Nitrite (Expressed as N)	1500	µg/l	none
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Sulfate	2000	µg/l	nv
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Bromide	8000	µg/l	UA,nv
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Chloride	13000	µg/l	nv
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Cyanide, Total	10	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Fluoride	100	µg/l	U,nv

Table I-4.0-9 (concluded)

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Nitrogen, Nitrate + Nitrite (Expressed as N)	1200	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Sulfate	12000	µg/l	nv
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Bromide	8000	µg/l	UA,nv
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Chloride	13000	µg/l	nv
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Cyanide, Total	10	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Fluoride	100	µg/l	U,nv
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Nitrogen, Nitrate + Nitrite (Expressed as N)	50	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Sulfate	9000	µg/l	nv
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Bromide	4000	µg/l	UA,nv
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Chloride	13000	µg/l	nv
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Cyanide, Total	10	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Fluoride	100	µg/l	U,nv
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Nitrogen, Nitrate + Nitrite (Expressed as N)	1400	µg/l	none
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Sulfate	5000	µg/l	nv

[a] NA = Not applicable.

[b] NAv = Not available.

Table I-4.0-10
High Explosive Chemicals in Springs Samples

Prs Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
Not Applicable	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Amino-2,6-Dinitro-toluene[4-]	0.317	µg/l	none
Not Applicable	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Amino-4,6-Dinitro-toluene[2-]	0.236	µg/l	none
Not Applicable	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Dinitro-benzene [1,3-]	0.048	µg/l	U
Not Applicable	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Dinitro-toluene[2,4-]	0.046	µg/l	none
Not Applicable	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Dinitro-toluene[2,6-]	0.048	µg/l	U
Not Applicable	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	HMX	1.8	µg/l	none
Not Applicable	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Nitrobenzene	0.051	µg/l	U
Not Applicable	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Nitrotoluene[2-]	0.088	µg/l	U
Not Applicable	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Nitrotoluene[3-]	0.105	µg/l	U
Not Applicable	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Nitrotoluene[4-]	0.106	µg/l	U
Not Applicable	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	RDX	23.4	µg/l	none
Not Applicable	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Tetryl	0.055	µg/l	U
Not Applicable	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Trinitrobenzene [1,3,5-]	0.65	µg/l	none
Not Applicable	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Trinitrotoluene [2,4,6-]	0.052	µg/l	U
Not Applicable	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Amino-2,6-Dinitro-toluene[4-]	0.939	µg/l	none
Not Applicable	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Amino-4,6-Dinitro-toluene[2-]	0.589	µg/l	none
Not Applicable	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Dinitro-benzene [1,3-]	0.074	µg/l	none

Table I-4.0-10 (continued)
High Explosive Chemicals in Springs Samples

Prs Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
Not Applicable	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Dinitro-toluene[2,4-]	0.058	µg/l	none
Not Applicable	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Dinitro-toluene[2,6-]	0.048	µg/l	U
Not Applicable	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	HMX	2.57	µg/l	none
Not Applicable	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Nitrobenzene	0.051	µg/l	U
Not Applicable	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Nitrotoluene[2-]	0.088	µg/l	U
Not Applicable	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Nitrotoluene[3-]	0.105	µg/l	U
Not Applicable	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Nitrotoluene[4-]	0.106	µg/l	U
Not Applicable	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	RDX	49.9	µg/l	none
Not Applicable	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Tetryl	0.072	µg/l	none
Not Applicable	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Trinitrobenzene [1,3,5-]	0.111	µg/l	none
Not Applicable	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Trinitrotoluene [2,4,6-]	0.052	µg/l	U
Not Applicable	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Amino-2,6-Dinitro-toluene[4-]	3.03	µg/l	none
Not Applicable	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Amino-4,6-Dinitro-toluene[2-]	2.32	µg/l	none
Not Applicable	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Dinitro-benzene [1,3-]	0.048	µg/l	U
Not Applicable	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Dinitro-toluene[2,4-]	0.13	µg/l	none
Not Applicable	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Dinitro-toluene[2,6-]	0.048	µg/l	U
Not Applicable	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	HMX	17.7	µg/l	none
Not Applicable	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Nitrobenzene	0.051	µg/l	U
Not Applicable	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Nitrotoluene[2-]	0.088	µg/l	U
Not Applicable	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Nitrotoluene[3-]	0.105	µg/l	U

Table I-4.0-10 (continued)
High Explosive Chemicals in Springs Samples

Prs Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
Not Applicable	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Nitrotoluene[4-]	0.106	µg/l	U
Not Applicable	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	RDX	157	µg/l	none
Not Applicable	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Tetryl	0.683	µg/l	none
Not Applicable	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Trinitrobenzene [1,3,5-]	1.44	µg/l	none
Not Applicable	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Trinitrotoluene [2,4,6-]	0.075	µg/l	none
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Amino-2,6-Dinitro-toluene[4-]	0.25	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Amino-4,6-Dinitro-toluene[2-]	0.25	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Dinitro-benzene [1,3-]	0.25	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Dinitro-toluene[2,4-]	0.25	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Dinitro-toluene[2,6-]	0.25	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	HMX	1	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Nitrobenzene	1	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Nitrotoluene[2-]	1	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Nitrotoluene[3-]	1	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Nitrotoluene[4-]	1	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	RDX	5.5	µg/l	none
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Tetryl	1	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Trinitrobenzene [1,3,5-]	0.26	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Trinitrotoluene [2,4,6-]	0.25	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Amino-2,6-Dinitro-toluene[4-]	0.25	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Amino-4,6-Dinitro-toluene[2-]	0.25	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Dinitro-benzene [1,3-]	0.25	µg/l	U

Table I-4.0-10 (continued)
High Explosive Chemicals in Springs Samples

Prs Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Dinitro-toluene[2,4-]	0.25	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Dinitro-toluene[2,6-]	0.25	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	HMX	1	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Nitrobenzene	1	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Nitrotoluene[2-]	1	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Nitrotoluene[3-]	1	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Nitrotoluene[4-]	1	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	RDX	4.23	µg/l	none
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Tetryl	1	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Trinitrobenzene[1,3,5-]	0.26	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Trinitrotoluene[2,4,6-]	0.25	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Amino-2,6-Dinitro-toluene[4-]	0.25	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Amino-4,6-Dinitro-toluene[2-]	0.25	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Dinitro-benzene [1,3-]	0.25	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Dinitro-toluene[2,4-]	0.25	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Dinitro-toluene[2,6-]	0.25	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	HMX	1	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Nitrobenzene	1	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Nitrotoluene[2-]	1	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Nitrotoluene[3-]	1	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Nitrotoluene[4-]	1	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	RDX	1.97	µg/l	none
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Tetryl	1	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Trinitrobenzene [1,3,5-]	0.26	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Trinitrotoluene [2,4,6-]	0.25	µg/l	U

Table I-4.0-10 (continued)
High Explosive Chemicals in Springs Samples

Prs Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Amino-2,6-Dinitro-toluene[4-]	0.25	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Amino-4,6-Dinitro-toluene[2-]	0.25	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Dinitro-benzene [1,3-]	0.25	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Dinitro-toluene[2,4-]	0.25	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Dinitro-toluene[2,6-]	0.25	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	HMX	1	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Nitrobenzene	1	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Nitrotoluene[2-]	1	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Nitrotoluene[3-]	1	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Nitrotoluene[4-]	1	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	RDX	1.5	µg/l	none
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Tetryl	1	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Trinitrobenzene [1,3,5-]	0.26	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Trinitrotoluene [2,4,6-]	0.25	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Amino-2,6-Dinitro-toluene[4-]	0.25	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Amino-4,6-Dinitro-toluene[2-]	0.25	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Dinitro-benzene [1,3-]	0.25	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Dinitro-toluene[2,4-]	0.25	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Dinitro-toluene[2,6-]	0.25	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	HMX	1	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Nitrobenzene	1	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Nitrotoluene[2-]	1	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Nitrotoluene[3-]	1	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Nitrotoluene[4-]	1	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	RDX	1	µg/l	none

Table I-4.0-10 (continued)
High Explosive Chemicals in Springs Samples

Prs Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Tetryl	1	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Trinitrobenzene [1,3,5-]	0.26	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Trinitrotoluene [2,4,6-]	0.25	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Amino-2,6-Dinitro-toluene[4-]	0.25	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Amino-4,6-Dinitro-toluene[2-]	0.25	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Dinitro-benzene [1,3-]	0.25	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Dinitro-toluene[2,4-]	0.25	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Dinitro-toluene[2,6-]	0.25	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	HMX	1	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Nitrobenzene	1	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Nitrotoluene[2-]	1	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Nitrotoluene[3-]	1	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Nitrotoluene[4-]	1	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	RDX	1.2	µg/l	none
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Tetryl	1	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Trinitrobenzene [1,3,5-]	0.26	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Trinitrotoluene [2,4,6-]	0.25	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Amino-2,6-Dinitro-toluene[4-]	2.6	µg/l	none
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Amino-4,6-Dinitro-toluene[2-]	1.98	µg/l	none
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Dinitro-benzene [1,3-]	0.048	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Dinitro-toluene[2,4-]	0.103	µg/l	none
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Dinitro-toluene[2,6-]	0.048	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	HMX	16.6	µg/l	none
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Nitrobenzene	0.054	µg/l	U

Table I-4.0-10 (continued)
High Explosive Chemicals in Springs Samples

Prs Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Nitrotoluene[2-]	0.095	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Nitrotoluene[3-]	0.104	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Nitrotoluene[4-]	0.096	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	RDX	132	µg/l	none
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Tetryl	0.055	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Trinitrobenzene [1,3,5-]	0.535	µg/l	none
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Trinitrotoluene [2,4,6-]	0.05	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Amino-2,6-Dinitro-toluene[4-]	2.83	µg/l	none
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Amino-4,6-Dinitro-toluene[2-]	2.11	µg/l	none
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Dinitro-benzene [1,3-]	0.048	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Dinitro-toluene[2,4-]	0.126	µg/l	none
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Dinitro-toluene[2,6-]	0.048	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	HMX	16.9	µg/l	none
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Nitrobenzene	0.054	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Nitrotoluene[2-]	0.095	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Nitrotoluene[3-]	0.104	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Nitrotoluene[4-]	0.096	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	RDX	135	µg/l	none
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Tetryl	0.055	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Trinitrobenzene [1,3,5-]	0.995	µg/l	none
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Trinitrotoluene [2,4,6-]	0.051	µg/l	none
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Amino-2,6-Dinitro-toluene[4-]	0.23	µg/l	none
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Amino-4,6-Dinitro-toluene[2-]	0.168	µg/l	none
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Dinitro-benzene [1,3-]	0.048	µg/l	U

Table I-4.0-10 (continued)
High Explosive Chemicals in Springs Samples

Prs Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Dinitro-toluene[2,4-]	0.039	µg/l	none
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Dinitro-toluene[2,6-]	0.048	µg/l	U
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	HMX	1.56	µg/l	none
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Nitrobenzene	0.054	µg/l	U
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Nitrotoluene[2-]	0.095	µg/l	U
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Nitrotoluene[3-]	0.104	µg/l	U
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Nitrotoluene[4-]	0.096	µg/l	U
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	RDX	15	µg/l	none
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Tetryl	0.055	µg/l	U
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Trinitrobenzene [1,3,5-]	0.484	µg/l	none
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Trinitrotoluene [2,4,6-]	0.05	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Amino-2,6-Dinitro-toluene[4-]	0.234	µg/l	none
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Amino-4,6-Dinitro-toluene[2-]	0.165	µg/l	none
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Dinitro-benzene [1,3-]	0.048	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Dinitro-toluene[2,4-]	0.036	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Dinitro-toluene[2,6-]	0.048	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	HMX	1.68	µg/l	none
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Nitrobenzene	0.054	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Nitrotoluene[2-]	0.095	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Nitrotoluene[3-]	0.104	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Nitrotoluene[4-]	0.096	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	RDX	14.1	µg/l	none
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Tetryl	0.055	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Trinitrobenzene [1,3,5-]	0.337	µg/l	none
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Trinitrotoluene [2,4,6-]	0.05	µg/l	U

Table I-4.0-10 (continued)
High Explosive Chemicals in Springs Samples

Prs Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Amino-2,6-Dinitro-toluene[4-]	0.663	µg/l	none
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Amino-4,6-Dinitro-toluene[2-]	0.423	µg/l	none
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Dinitro-benzene [1,3-]	0.048	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Dinitro-toluene[2,4-]	0.042	µg/l	none
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Dinitro-toluene[2,6-]	0.048	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	HMX	2.26	µg/l	none
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Nitrobenzene	0.054	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Nitrotoluene[2-]	0.095	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Nitrotoluene[3-]	0.111	µg/l	none
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Nitrotoluene[4-]	0.096	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	RDX	31.7	µg/l	none
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Tetryl	0.055	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Trinitrobenzene [1,3,5-]	0.14	µg/l	none
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Trinitrotoluene [2,4,6-]	0.05	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Amino-2,6-Dinitro-toluene[4-]	0.725	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Amino-4,6-Dinitro-toluene[2-]	0.451	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Dinitro-benzene [1,3-]	0.048	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Dinitro-toluene[2,4-]	0.051	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Dinitro-toluene[2,6-]	0.048	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	HMX	2.23	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Nitrobenzene	0.054	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Nitrotoluene[2-]	0.095	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Nitrotoluene[3-]	0.104	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Nitrotoluene[4-]	0.096	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	RDX	32	µg/l	none

Table I-4.0-10 (continued)
High Explosive Chemicals in Springs Samples

Prs Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Tetryl	0.055	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Trinitrobenzene [1,3,5-]	0.068	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Trinitrotoluene [2,4,6-]	0.05	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Amino-2,6-Dinitro-toluene[4-]	1.3	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Amino-4,6-Dinitro-toluene[2-]	1.3	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Dinitro-benzene [1,3-]	1.3	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Dinitro-toluene[2,4-]	1.3	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Dinitro-toluene[2,6-]	1.3	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	HMX	5	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Nitrobenzene	5	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Nitrotoluene[2-]	5	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Nitrotoluene[3-]	5	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Nitrotoluene[4-]	5	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	RDX	45	µg/l	none
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Tetryl	5	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Trinitrobenzene [1,3,5-]	1.3	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Trinitrotoluene [2,4,6-]	1.3	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Amino-2,6-Dinitro-toluene[4-]	0.25	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Amino-4,6-Dinitro-toluene[2-]	0.25	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Dinitro-benzene [1,3-]	0.25	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Dinitro-toluene[2,4-]	0.25	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Dinitro-toluene[2,6-]	0.25	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	HMX	1.9	µg/l	J-
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Nitrobenzene	1	µg/l	U

Table I-4.0-10 (continued)
High Explosive Chemicals in Springs Samples

Prs Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Nitrotoluene[2-]	1	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Nitrotoluene[3-]	1	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Nitrotoluene[4-]	1	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	RDX	13	µg/l	J-
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Tetryl	1	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Trinitrobenzene [1,3,5-]	0.26	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Trinitrotoluene [2,4,6-]	0.25	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Amino-2,6-Dinitro-toluene[4-]	0.25	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Amino-4,6-Dinitro-toluene[2-]	0.25	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Dinitro-benzene [1,3-]	0.25	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Dinitro-toluene[2,4-]	0.25	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Dinitro-toluene[2,6-]	0.25	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	HMX	1.3	µg/l	none
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Nitrobenzene	1	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Nitrotoluene[2-]	1	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Nitrotoluene[3-]	1	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Nitrotoluene[4-]	1	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	RDX	12	µg/l	none
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Tetryl	1	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Trinitrobenzene [1,3,5-]	0.26	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Trinitrotoluene[2,4,6 -]	0.25	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Amino-2,6-Dinitro-toluene[4-]	2.5	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Amino-4,6-Dinitro-toluene[2-]	2.5	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Dinitro-benzene [1,3-]	2.5	µg/l	U

Table I-4.0-10 (continued)
High Explosive Chemicals in Springs Samples

Prs Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Dinitro-toluene[2,4-]	2.5	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Dinitro-toluene[2,6-]	2.5	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	HMX	10	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Nitrobenzene	10	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Nitrotoluene[2-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Nitrotoluene[3-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Nitrotoluene[4-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	RDX	86	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Tetryl	10	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Trinitrobenzene [1,3,5-]	2.6	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Trinitrotoluene [2,4,6-]	2.5	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Amino-2,6-Dinitro-toluene[4-]	2.5	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Amino-4,6-Dinitro-toluene[2-]	2.5	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Dinitro-benzene [1,3-]	2.5	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Dinitro-toluene[2,4-]	2.5	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Dinitro-toluene[2,6-]	2.5	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	HMX	10	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Nitrobenzene	10	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Nitrotoluene[2-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Nitrotoluene[3-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Nitrotoluene[4-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	RDX	84	µg/l	none
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Tetryl	10	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Trinitrobenzene [1,3,5-]	2.6	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Trinitrotoluene [2,4,6-]	2.5	µg/l	U

Table I-4.0-10 (continued)
High Explosive Chemicals in Springs Samples

Prs Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Amino-2,6-Dinitro-toluene[4-]	1.3	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Amino-4,6-Dinitro-toluene[2-]	1.3	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Dinitro-benzene [1,3-]	1.3	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Dinitro-toluene[2,4-]	1.3	µg/l	J-
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Dinitro-toluene[2,6-]	1.3	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	HMX	7.2	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Nitrobenzene	5	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Nitrotoluene[2-]	5	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Nitrotoluene[3-]	5	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Nitrotoluene[4-]	5	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	RDX	51	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Tetryl	5	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Trinitrobenzene [1,3,5-]	1.3	µg/l	J-
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Trinitrotoluene [2,4,6-]	1.3	µg/l	J-
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Amino-2,6-Dinitro-toluene[4-]	3.9	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Dinitro-benzene [1,3-]	2	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Dinitro-toluene[2,4-]	2	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Dinitro-toluene[2,6-]	2	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	HMX	17	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Nitrobenzene	2	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Nitrotoluene[2-]	7.8	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Nitrotoluene[3-]	7.8	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Nitrotoluene[4-]	23	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	RDX	76	µg/l	none
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Tetryl	5.8	µg/l	U

Table I-4.0-10 (continued)
High Explosive Chemicals in Springs Samples

Prs Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Trinitrobenzene [1,3,5-]	2	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Trinitrotoluene [2,4,6-]	2	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Amino-2,6-Dinitro-toluene[4-]	5.2	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Dinitro-benzene [1,3-]	2	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Dinitro-toluene[2,4-]	2	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Dinitro-toluene[2,6-]	2	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	HMX	9.4	µg/l	J
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Nitrobenzene	2	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Nitrotoluene[2-]	7.8	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Nitrotoluene[3-]	7.8	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Nitrotoluene[4-]	23	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	RDX	120	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Tetryl	5.8	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Trinitrobenzene [1,3,5-]	2	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Trinitrotoluene [2,4,6-]	2	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Amino-2,6-Dinitro-toluene[4-]	3.9	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Dinitro-benzene [1,3-]	2	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Dinitro-toluene[2,4-]	2	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Dinitro-toluene[2,6-]	2	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	HMX	17	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Nitrobenzene	2	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Nitrotoluene[2-]	7.8	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Nitrotoluene[3-]	7.8	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Nitrotoluene[4-]	23	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	RDX	40	µg/l	none

Table I-4.0-10 (continued)
High Explosive Chemicals in Springs Samples

Prs Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Tetryl	5.8	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Trinitrobenzene [1,3,5-]	2	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Trinitrotoluene [2,4,6-]	2	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Amino-2,6-Dinitro-toluene[4-]	3.9	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Dinitro-benzene [1,3-]	2	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Dinitro-toluene[2,4-]	2	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Dinitro-toluene[2,6-]	2	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	HMX	17	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Nitrobenzene	2	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Nitrotoluene[2-]	7.8	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Nitrotoluene[3-]	7.8	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Nitrotoluene[4-]	23	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	RDX	39	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Tetryl	5.8	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Trinitrobenzene [1,3,5-]	2	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Trinitrotoluene [2,4,6-]	2	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Amino-2,6-Dinitro-toluene[4-]	3.9	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Dinitro-benzene [1,3-]	2	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Dinitro-toluene[2,4-]	2	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Dinitro-toluene[2,6-]	2	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	HMX	17	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Nitrobenzene	2	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Nitrotoluene[2-]	7.8	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Nitrotoluene[3-]	7.8	µg/l	U

Table I-4.0-10 (completed)
High Explosive Chemicals in Springs Samples

Prs Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Nitrotoluene[4-]	23	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	RDX	21	µg/l	none
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Tetryl	5.8	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Trinitrobenzene [1,3,5-]	2	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Trinitrotoluene [2,4,6-]	2	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Amino-2,6-Dinitro-toluene[4-]	3.9	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Dinitro-benzene[1,3-]	2	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Dinitro-toluene[2,4-]	2	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Dinitro-toluene[2,6-]	2	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	HMX	17	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Nitrobenzene	2	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Nitrotoluene[2-]	7.8	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Nitrotoluene[3-]	7.8	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Nitrotoluene[4-]	23	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	RDX	20	µg/l	none
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Tetryl	5.8	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Trinitrobenzene [1,3,5-]	2	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Trinitrotoluene [2,4,6-]	2	µg/l	U

Table I-4.0-11
Volatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Acetone	18	µg/l	J
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Benzene	5	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Bromobenzene	5	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	BromoChloro-methane	5	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	BromodiChloro-methane	5	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Bromoform	5	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Bromomethane	4	µg/l	J
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Butanone[2-]	20	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Butyl-benzene[n-]	5	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Butyl-benzene[sec-]	5	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Butyl-benzene[tert-]	5	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Carbon Disulfide	5	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Carbon Tetrachloride	5	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Chloro-benzene	5	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Chloro-Dibromo-methane	5	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Chloro-ethane	10	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Chloro-form	5	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Chloro-methane	30	µg/l	none
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Chloro-toluene[2-]	5	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Chloro-toluene[4-]	5	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Dibromo--3-Chloro-propane[1,2-]	10	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Dibromo-ethane[1,2-]	5	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Dibromo-methane	5	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	DiChloro-benzene[1,2-]	5	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	DiChloro-benzene[1,3-]	5	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	DiChloro-benzene[1,4-]	5	µg/l	U

Table I-4.0-11 (continued)
Volatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	DiChloro-difluoro--methane	10	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	DiChloro-ethane[1,1-]	5	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	DiChloro-ethane[1,2-]	6	µg/l	none
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	DiChloro-ethene[1,1-]	5	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	DiChloro-ethene[cis-1,2-]	5	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	DiChloro-ethene [trans-1,2-]	5	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	DiChloro-propane[1,2-]	5	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	DiChloro-propane[1,3-]	5	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	DiChloro-propane[2,2-]	5	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	DiChloro-propene[1,1-]	5	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	DiChloro-propene [cis-1,3-]	5	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	DiChloro-propene[trans-1,3-]	5	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Ethylbenzene	5	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Hexanone[2-]	20	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Iodomethane	5	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Isopropylbenzene	5	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Isopropyltoluene[4-]	5	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Methyl--2-pentanone[4-]	20	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Methyl-ene Chloride	5	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Propylbenzene[1-]	5	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Styrene	5	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	TetraChloro-ethane[1,1,1,2-]	5	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	TetraChloro-ethane[1,1,2,2-]	5	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	TetraChloro-ethene	5	µg/l	U

Table I-4.0-11 (continued)
Volatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Toluene	5	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	TriChloro--1,2,2-trifluoroethane[1,1,2-]	5	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	TriChloro-ethane[1,1,1-]	5	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	TriChloro-ethane[1,1,2-]	5	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	TriChloro-ethene	2	µg/l	J
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	TriChloro-fluoromethane	5	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	TriChloro-propane[1,2,3-]	5	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Trimethylbenzene[1,2,4-]	5	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Trimethylbenzene[1,3,5-]	5	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Vinyl Chloride	10	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Xylene (Total)	5	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Acetone	12	µg/l	J
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Benzene	5	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Bromobenzene	5	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	BromoChloro-methane	5	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	BromodiChloro-methane	5	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Bromoform	5	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Bromomethane	10	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Butanone[2-]	20	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Butyl-benzene[n-]	5	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Butyl-benzene[sec-]	5	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Butyl-benzene[tert-]	5	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Carbon Disulfide	5	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Carbon Tetrachloride	5	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Chloro-benzene	5	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Chloro-Dibromo-methane	5	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Chloro-ethane	10	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Chloro-form	5	µg/l	U

Table I-4.0-11 (continued)
Volatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Chloro-methane	12	µg/l	none
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Chloro-toluene[2-]	5	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Chloro-toluene[4-]	5	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Dibromo--3-Chloro-propane[1,2-]	10	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Dibromo-ethane[1,2-]	5	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Dibromo-methane	5	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	DiChloro-benzene[1,2-]	5	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	DiChloro-benzene[1,3-]	5	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	DiChloro-benzene[1,4-]	5	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	DiChloro-difluoro--methane	10	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	DiChloro-ethane[1,1-]	5	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	DiChloro-ethane[1,2-]	3	µg/l	J
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	DiChloro-ethene[1,1-]	5	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	DiChloro-ethene[cis-1,2-]	5	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	DiChloro-ethene[trans-1,2-]	5	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	DiChloro-propane[1,2-]	5	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	DiChloro-propane[1,3-]	5	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	DiChloro-propane[2,2-]	5	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	DiChloro-propene[1,1-]	5	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	DiChloro-propene[cis-1,3-]	5	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	DiChloro-propene[trans-1,3-]	5	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Ethylbenzene	5	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Hexanone[2-]	20	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Iodomethane	5	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Isopropylbenzene	5	µg/l	U

Table I-4.0-11 (continued)
Volatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Isopropyltoluene[4-]	5	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Methyl--2-pentanone[4-]	20	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Methyl-ene Chloride	5	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Propylbenzene[1-]	5	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Styrene	5	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	TetraChloro-ethane[1,1,1,2-]	5	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	TetraChloro-ethane[1,1,2,2-]	5	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	TetraChloro-ethene	5	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Toluene	5	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	TriChloro--1,2,2-trifluoroethane[1,1,2-]	5	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	TriChloro-ethane[1,1,1-]	5	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	TriChloro-ethane[1,1,2-]	5	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	TriChloro-ethene	5	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	TriChloro-fluoromethane	5	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	TriChloro-propane[1,2,3-]	5	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Trimethylbenzene[1,2,4-]	5	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Trimethylbenzene[1,3,5-]	5	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Vinyl Chloride	10	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Xylene (Total)	5	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Acetone	18	µg/l	J
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Benzene	5	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Bromobenzene	5	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	BromoChloro-methane	5	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	BromodiChloro-methane	5	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Bromoform	5	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Bromomethane	10	µg/l	U

Table I-4.0-11 (continued)

Volatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Butanone[2-]	20	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Butyl-benzene[n-]	5	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Butyl-benzene[sec-]	5	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Butyl-benzene[tert-]	5	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Carbon Disulfide	5	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Carbon Tetrachloride	5	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Chloro-benzene	5	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Chloro-Dibromo-methane	5	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Chloro-ethane	10	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Chloro-form	5	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Chloro-methane	16	µg/l	none
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Chloro-toluene[2-]	5	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Chloro-toluene[4-]	5	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Dibromo--3-Chloro-propane[1,2-]	10	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Dibromo-ethane[1,2-]	5	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Dibromo-methane	5	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	DiChloro-benzene[1,2-]	5	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	DiChloro-benzene[1,3-]	5	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	DiChloro-benzene[1,4-]	5	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	DiChloro-difluoro--methane	10	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	DiChloro-ethane[1,1-]	5	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	DiChloro-ethane[1,2-]	5	µg/l	none
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	DiChloro-ethene[1,1-]	5	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	DiChloro-ethene[cis-1,2-]	5	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	DiChloro-ethene[trans-1,2-]	5	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	DiChloro-propane[1,2-]	5	µg/l	U

Table I-4.0-11 (continued)

Volatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	DiChloro-propane[1,3-]	5	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	DiChloro-propane[2,2-]	5	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	DiChloro-propene[1,1-]	5	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	DiChloro-propene[cis-1,3-]	5	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	DiChloro-propene[trans-1,3-]	5	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Ethylbenzene	5	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Hexanone[2-]	20	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Iodomethane	5	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Isopropylbenzene	5	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Isopropyltoluene[4-]	5	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Methyl--2-pentanone[4-]	20	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Methyl-ene Chloride	5	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Propylbenzene[1-]	5	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Styrene	5	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	TetraChloro-ethane[1,1,1,2-]	5	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	TetraChloro-ethane[1,1,2,2-]	5	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	TetraChloro-ethene	5	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Toluene	5	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	TriChloro--1,2,2-trifluoroethane[1,1,2-]	5	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	TriChloro-ethane[1,1,1-]	5	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	TriChloro-ethane[1,1,2-]	5	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	TriChloro-ethene	5	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	TriChloro-fluoromethane	5	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	TriChloro-propane[1,2,3-]	5	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Trimethylbenzene[1,2,4-]	5	µg/l	U

Table I-4.0-11 (continued)
Volatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Trimethylbenzene[1,3,5-]	5	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Vinyl Chloride	10	µg/l	U
NA	16-2650	0316-96-3002	20-Dec-96	Unfiltered	WGS	Xylene (Total)	5	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Acetone	39	µg/l	none
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Benzene	5	µg/l	none
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Bromobenzene	5	µg/l	none
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	BromoChloro-methane	5	µg/l	none
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	BromodiChloro-methane	5	µg/l	none
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Bromoform	5	µg/l	none
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Bromomethane	10	µg/l	none
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Butanone[2-]	20	µg/l	none
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Butyl-benzene[n-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Butyl-benzene[sec-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Butyl-benzene[tert-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Carbon Disulfide	5	µg/l	none
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Carbon Tetrachloride	5	µg/l	none
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Chloro-benzene	5	µg/l	none
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Chloro-Dibromo-methane	5	µg/l	none
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Chloro-ethane	10	µg/l	none
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Chloro-form	5	µg/l	none
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Chloro-methane	12	µg/l	none
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Chloro-toluene[2-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Chloro-toluene[4-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Dibromo--3-Chloro-propane[1,2-]	10	µg/l	none
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Dibromo-ethane[1,2-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Dibromo-methane	5	µg/l	none
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	DiChloro-benzene[1,2-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	DiChloro-benzene[1,3-]	5	µg/l	none

Table I-4.0-11 (continued)

Volatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	DiChloro-benzene[1,4-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	DiChloro-difluoro--methane	10	µg/l	none
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	DiChloro-ethane[1,1-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	DiChloro-ethane[1,2-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	DiChloro-ethene[1,1-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	DiChloro-ethene[cis-1,2-]	10	µg/l	none
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	DiChloro-ethene[trans-1,2-]	10	µg/l	none
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	DiChloro-propane[1,2-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	DiChloro-propane[1,3-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	DiChloro-propane[2,2-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	DiChloro-propene[1,1-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	DiChloro-propene[cis-1,3-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	DiChloro-propene[trans-1,3-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Ethylbenzene	5	µg/l	none
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Hexanone[2-]	20	µg/l	none
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Iodomethane	5	µg/l	none
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Isopropylbenzene	5	µg/l	none
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Isopropyltoluene[4-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Methyl--2-pentanone[4-]	20	µg/l	none
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Methyl-ene Chloride	5	µg/l	none
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Propylbenzene[1-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Styrene	5	µg/l	none
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	TetraChloro-ethane[1,1,1,2-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	TetraChloro-ethane[1,1,2,2-]	5	µg/l	none

Table I-4.0-11 (continued)
Volatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	TetraChloro-ethene	5	µg/l	none
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Toluene	5	µg/l	none
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	TriChloro--1,2,2-trifluoroethane[1,1,2-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	TriChloro-ethane[1,1,1-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	TriChloro-ethane[1,1,2-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	TriChloro-ethene	5	µg/l	none
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	TriChloro-fluoromethane	5	µg/l	none
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	TriChloro-propane[1,2,3-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Trimethylbenzene[1,2,4-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Trimethylbenzene[1,3,5-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Vinyl Chloride	10	µg/l	none
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Xylene (Total)	5	µg/l	none
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Acetone	20	µg/l	none
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Benzene	5	µg/l	none
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Bromobenzene	5	µg/l	none
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	BromoChloro-methane	5	µg/l	none
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	BromodiChloro-methane	5	µg/l	none
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Bromoform	5	µg/l	none
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Bromomethane	10	µg/l	none
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Butanone[2-]	20	µg/l	none
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Butyl-benzene[n-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Butyl-benzene[sec-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Butyl-benzene[tert-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Carbon Disulfide	5	µg/l	none
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Carbon Tetrachloride	5	µg/l	none
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Chloro-benzene	5	µg/l	none
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Chloro-Dibromo-methane	5	µg/l	none
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Chloro-ethane	10	µg/l	none

Table I-4.0-11 (continued)
Volatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Chloro-form	5	µg/l	none
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Chloro-methane	10	µg/l	none
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Chloro-toluene[2-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Chloro-toluene[4-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Dibromo--3-Chloro-propane[1,2-]	10	µg/l	none
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Dibromo-ethane[1,2-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Dibromo-methane	5	µg/l	none
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	DiChloro-benzene[1,2-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	DiChloro-benzene[1,3-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	DiChloro-benzene[1,4-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	DiChloro-difluoro--methane	10	µg/l	none
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	DiChloro-ethane[1,1-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	DiChloro-ethane[1,2-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	DiChloro-ethene[1,1-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	DiChloro-ethene[cis-1,2-]	10	µg/l	none
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	DiChloro-ethene[trans-1,2-]	10	µg/l	none
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	DiChloro-propane[1,2-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	DiChloro-propane[1,3-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	DiChloro-propane[2,2-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	DiChloro-propene[1,1-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	DiChloro-propene[cis-1,3-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	DiChloro-propene[trans-1,3-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Ethylbenzene	5	µg/l	none
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Hexanone[2-]	20	µg/l	none
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Iodomethane	5	µg/l	none

Table I-4.0-11 (continued)

Volatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Isopropylbenzene	5	µg/l	none
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Isopropyltoluene[4-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Methyl--2-pentanone[4-]	20	µg/l	none
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Methyl-ene Chloride	5	µg/l	none
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Propylbenzene[1-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Styrene	5	µg/l	none
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	TetraChloro-ethane[1,1,1,2-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	TetraChloro-ethane[1,1,2,2-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	TetraChloro-ethene	5	µg/l	none
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Toluene	5	µg/l	none
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	TriChloro--1,2,2-trifluoroethane[1,1,2-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	TriChloro-ethane[1,1,1-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	TriChloro-ethane[1,1,2-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	TriChloro-ethene	5	µg/l	none
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	TriChloro-fluoromethane	5	µg/l	none
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	TriChloro-propane[1,2,3-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Trimethylbenzene[1,2,4-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Trimethylbenzene[1,3,5-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Vinyl Chloride	10	µg/l	none
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Xylene (Total)	5	µg/l	none
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Acetone	26	µg/l	none
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Benzene	5	µg/l	none
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Bromobenzene	5	µg/l	none
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	BromoChloro-methane	5	µg/l	none
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	BromodiChloro-methane	5	µg/l	none
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Bromoform	5	µg/l	none

Table I-4.0-11 (continued)

Volatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Bromomethane	10	µg/l	none
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Butanone[2-]	20	µg/l	none
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Butyl-benzene[n-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Butyl-benzene[sec-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Butyl-benzene[tert-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Carbon Disulfide	5	µg/l	none
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Carbon Tetrachloride	5	µg/l	none
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Chloro-benzene	5	µg/l	none
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Chloro-Dibromo-methane	5	µg/l	none
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Chloro-ethane	10	µg/l	none
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Chloro-form	5	µg/l	none
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Chloro-methane	10	µg/l	none
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Chloro-toluene[2-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Chloro-toluene[4-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Dibromo--3-Chloro-propane[1,2-]	10	µg/l	none
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Dibromo-ethane[1,2-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Dibromo-methane	5	µg/l	none
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	DiChloro-benzene[1,2-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	DiChloro-benzene[1,3-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	DiChloro-benzene[1,4-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	DiChloro-difluoro--methane	10	µg/l	none
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	DiChloro-ethane[1,1-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	DiChloro-ethane[1,2-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	DiChloro-ethene[1,1-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	DiChloro-ethene[cis-1,2-]	10	µg/l	none
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	DiChloro-ethene[trans-1,2-]	10	µg/l	none

Table I-4.0-11 (continued)
Volatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	DiChloro-propane[1,2-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	DiChloro-propane[1,3-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	DiChloro-propane[2,2-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	DiChloro-propene[1,1-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	DiChloro-propene[cis-1,3-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	DiChloro-propene[trans-1,3-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Ethylbenzene	5	µg/l	none
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Hexanone[2-]	20	µg/l	none
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Iodomethane	5	µg/l	none
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Isopropylbenzene	5	µg/l	none
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Isopropyltoluene[4-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Methyl--2-pentanone[4-]	20	µg/l	none
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Methyl-ene Chloride	5	µg/l	none
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Propylbenzene[1-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Styrene	5	µg/l	none
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	TetraChloro-ethane[1,1,1,2-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	TetraChloro-ethane[1,1,2,2-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	TetraChloro-ethene	5	µg/l	none
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Toluene	5	µg/l	none
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	TriChloro--1,2,2-trifluoroethane[1,1,2-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	TriChloro-ethane[1,1,1-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	TriChloro-ethane[1,1,2-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	TriChloro-ethene	5	µg/l	none
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	TriChloro-fluoromethane	5	µg/l	none
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	TriChloro-propane[1,2,3-]	5	µg/l	none

Table I-4.0-11 (continued)
Volatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Trimethylbenzene[1,2,4-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Trimethylbenzene[1,3,5-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Vinyl Chloride	10	µg/l	none
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Xylene (Total)	5	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Acetone	23	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Benzene	5	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Bromobenzene	5	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	BromoChloro-methane	5	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	BromodiChloro-methane	5	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Bromoform	5	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Bromomethane	10	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Butanone[2-]	20	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Butyl-benzene[n-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Butyl-benzene[sec-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Butyl-benzene[tert-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Carbon Disulfide	5	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Carbon Tetrachloride	5	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Chloro-benzene	5	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Chloro-Dibromo-methane	5	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Chloro-ethane	10	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Chloro-form	5	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Chloro-methane	5	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Chloro-toluene[2-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Chloro-toluene[4-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Dibromo--3-Chloro-propane[1,2-]	10	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Dibromo-ethane[1,2-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Dibromo-methane	5	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	DiChloro-benzene[1,2-]	5	µg/l	none

Table I-4.0-11 (continued)
Volatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	DiChloro-benzene[1,3-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	DiChloro-benzene[1,4-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	DiChloro-difluoro--methane	10	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	DiChloro-ethane[1,1-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	DiChloro-ethane[1,2-]	4	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	DiChloro-ethene[1,1-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	DiChloro-ethene[cis-1,2-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	DiChloro-ethene[trans-1,2-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	DiChloro-propane[1,2-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	DiChloro-propane[1,3-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	DiChloro-propane[2,2-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	DiChloro-propene[1,1-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	DiChloro-propene[cis-1,3-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	DiChloro-propene[trans-1,3-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Ethylbenzene	5	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	HexaChloro-butadiene	5	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Hexanone[2-]	20	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Iodomethane	5	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Isopropylbenzene	5	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Isopropyltoluene[4-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Methyl--2-pentanone[4-]	20	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Methyl-ene Chloride	5	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Naphthalene	5	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Propylbenzene[1-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Styrene	5	µg/l	none

Table I-4.0-11 (continued)

Volatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	TetraChloro-ethane[1,1,1,2-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	TetraChloro-ethane[1,1,2,2-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	TetraChloro-ethene	2.8	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Toluene	5	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	TriChloro--1,2,2-trifluoroethane[1,1,2-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	TriChloro-benzene[1,2,3-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	TriChloro-benzene[1,2,4-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	TriChloro-ethane[1,1,1-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	TriChloro-ethane[1,1,2-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	TriChloro-ethene	2	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	TriChloro-fluoromethane	5	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	TriChloro-propane[1,2,3-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Trimethylbenzene[1,2,4-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Trimethylbenzene[1,3,5-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Vinyl Chloride	10	µg/l	none
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Xylene (Total)	5	µg/l	none
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Acetone	29	µg/l	none
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Benzene	5	µg/l	none
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Bromobenzene	5	µg/l	none
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	BromoChloro-methane	5	µg/l	none
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	BromodiChloro-methane	5	µg/l	none.
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Bromoform	5	µg/l	none
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Bromomethane	10	µg/l	none
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Butanone[2-]	20	µg/l	none
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Butyl-benzene[n-]	5	µg/l	none

Table I-4.0-11 (continued)
Volatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Butyl-benzene[sec-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Butyl-benzene[tert-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Carbon Disulfide	5	µg/l	none
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Carbon Tetrachloride	5	µg/l	none
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Chloro-benzene	5	µg/l	none
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Chloro-Dibromo-methane	5	µg/l	none
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Chloro-ethane	10	µg/l	none
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Chloro-form	5	µg/l	none
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Chloro-methane	10	µg/l	none
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Chloro-toluene[2-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Chloro-toluene[4-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Dibromo--3-Chloro-propane[1,2-]	10	µg/l	none
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Dibromo-ethane[1,2-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Dibromo-methane	5	µg/l	none
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	DiChloro-benzene[1,2-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	DiChloro-benzene[1,3-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	DiChloro-benzene[1,4-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	DiChloro-difluoro--methane	10	µg/l	none
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	DiChloro-ethane[1,1-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	DiChloro-ethane[1,2-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	DiChloro-ethene[1,1-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	DiChloro-ethene[cis-1,2-]	10	µg/l	none
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	DiChloro-ethene[trans-1,2-]	10	µg/l	none
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	DiChloro-propane[1,2-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	DiChloro-propane[1,3-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	DiChloro-propane[2,2-]	5	µg/l	none

Table I-4.0-11 (continued)

Volatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	DiChloro-propene[1,1-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	DiChloro-propene[cis-1,3-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	DiChloro-propene[trans-1,3-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Ethylbenzene	5	µg/l	none
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Hexanone[2-]	20	µg/l	none
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Iodomethane	5	µg/l	none
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Isopropylbenzene	5	µg/l	none
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Isopropyltoluene[4-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Methyl--2-pentanone[4-]	20	µg/l	none
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Methyl-ene Chloride	5	µg/l	none
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Propylbenzene[1-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Styrene	5	µg/l	none
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	TetraChloro-ethane[1,1,1,2-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	TetraChloro-ethane[1,1,2,2-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	TetraChloro-ethene	5	µg/l	none
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Toluene	5	µg/l	none
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	TriChloro--1,2,2-trifluoroethane[1,1,2-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	TriChloroethane[1,1,1-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	TriChloroethane[1,1,2-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	TriChloro-ethene	5	µg/l	none
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	TriChloro-fluoromethane	5	µg/l	none
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	TriChloro-propane[1,2,3-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Trimethylbenzene[1,2,4-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Trimethylbenzene[1,3,5-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Vinyl Chloride	10	µg/l	none

Table I-4.0-11 (continued)
Volatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Xylene (Total)	5	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Acetone	36	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Benzene	5	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Bromobenzene	5	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	BromoChloro-methane	5	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	BromodiChloro-methane	5	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Bromoform	5	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Bromomethane	10	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Butanone[2-]	20	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Butyl-benzene[n-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Butyl-benzene[sec-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Butyl-benzene[tert-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Carbon Disulfide	5	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Carbon Tetrachloride	5	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Chloro-benzene	5	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Chloro-Dibromo-methane	5	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Chloro-ethane	10	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Chloro-form	5	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Chloro-methane	10	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Chloro-toluene[2-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Chloro-toluene[4-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Dibromo--3-Chloro-propane[1,2-]	10	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Dibromo-ethane[1,2-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Dibromo-methane	5	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	DiChloro-benzene[1,2-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	DiChloro-benzene[1,3-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	DiChloro-benzene[1,4-]	5	µg/l	none

Table I-4.0-11 (continued)
Volatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	DiChloro-difluoro--methane	10	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	DiChloro-ethane[1,1-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	DiChloro-ethane[1,2-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	DiChloro-ethene[1,1-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	DiChloro-ethene[cis-1,2-]	10	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	DiChloro-ethene[trans-1,2-]	10	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	DiChloro-propane[1,2-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	DiChloro-propane[1,3-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	DiChloro-propane[2,2-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	DiChloro-propene[1,1-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	DiChloro-propene[cis-1,3-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	DiChloro-propene[trans-1,3-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Ethylbenzene	5	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Hexanone[2-]	20	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Iodomethane	5	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Isopropylbenzene	5	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Isopropyltoluene[4-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Methyl--2-pentanone[4-]	20	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Methyl-ene Chloride	5	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Propylbenzene[1-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Styrene	5	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	TetraChloro-ethane[1,1,1,2-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	TetraChloro-ethane[1,1,2,2-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	TetraChloro-ethene	5	µg/l	none

Table I-4.0-11 (continued)

Volatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Toluene	5	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	TriChloro--1,2,2-trifluoroethane[1,1,2-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	TriChloro-ethane[1,1,1-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	TriChloro-ethane[1,1,2-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	TriChloro-ethene	5	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	TriChloro-fluoromethane	5	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	TriChloro-propane[1,2,3-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Trimethylbenzene[1,2,4-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Trimethylbenzene[1,3,5-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Vinyl Chloride	10	µg/l	none
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Xylene (Total)	5	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Acetone	34	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Benzene	5	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Bromobenzene	5	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	BromoChloro-methane	5	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	BromodiChloro-methane	5	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Bromoform	5	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Bromomethane	10	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Butanone[2-]	20	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Butyl-benzene[n-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Butyl-benzene[sec-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Butyl-benzene[tert-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Carbon Disulfide	5	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Carbon Tetrachloride	5	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Chloro-benzene	5	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Chloro-Dibromo-methane	5	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Chloro-ethane	10	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Chloro-form	5	µg/l	none

Table I-4.0-11 (continued)

Volatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Chloro-methane	10	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Chloro-toluene[2-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Chloro-toluene[4-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Dibromo--3-Chloro-propane[1,2-]	10	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Dibromo-ethane[1,2-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Dibromo-methane	5	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	DiChloro-benzene[1,2-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	DiChloro-benzene[1,3-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	DiChloro-benzene[1,4-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	DiChloro-difluoro--methane	10	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	DiChloro-ethane[1,1-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	DiChloro-ethane[1,2-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	DiChloro-ethene[1,1-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	DiChloro-ethene[cis-1,2-]	10	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	DiChloro-ethene[trans-1,2-]	10	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	DiChloro-propane[1,2-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	DiChloro-propane[1,3-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	DiChloro-propane[2,2-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	DiChloro-propene[1,1-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	DiChloro-propene[cis-1,3-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	DiChloro-propene[trans-1,3-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Ethylbenzene	5	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Hexanone[2-]	20	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Iodomethane	5	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Isopropylbenzene	5	µg/l	none

Table I-4.0-11 (continued)
Volatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Isopropyltoluene[4-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Methyl--2-pentanone[4-]	20	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Methyl-ene Chloride	5	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Propylbenzene[1-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Styrene	5	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	TetraChloro-ethane[1,1,1,2-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	TetraChloro-ethane[1,1,2,2-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	TetraChloro-ethene	5	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Toluene	5	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	TriChloro--1,2,2-trifluoroethane[1,1,2-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	TriChloroethane[1,1,1-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	TriChloroethane[1,1,2-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	TriChloro-ethene	5	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	TriChloro-fluoromethane	5	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	TriChloro-propane[1,2,3-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Trimethylbenzene[1,2,4-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Trimethylbenzene[1,3,5-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Vinyl Chloride	10	µg/l	none
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Xylene (Total)	5	µg/l	none
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Acetone	20	µg/l	none
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Benzene	5	µg/l	none
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Bromobenzene	5	µg/l	none
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	BromoChloro-methane	5	µg/l	none
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	BromodiChloro-methane	5	µg/l	none
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Bromoform	5	µg/l	none
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Bromomethane	10	µg/l	none

Table I-4.0-11 (continued)
Volatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Butanone[2-]	20	µg/l	none
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Butyl-benzene[n-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Butyl-benzene[sec-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Butyl-benzene[tert-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Carbon Disulfide	5	µg/l	none
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Carbon Tetrachloride	5	µg/l	none
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Chloro-benzene	5	µg/l	none
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Chloro-Dibromo-methane	5	µg/l	none
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Chloro-ethane	10	µg/l	none
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Chloro-form	5	µg/l	none
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Chloro-methane	10	µg/l	none
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Chloro-toluene[2-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Chloro-toluene[4-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Dibromo--3-Chloro-propane[1,2-]	10	µg/l	none
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Dibromo-ethane[1,2-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Dibromo-methane	5	µg/l	none
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	DiChloro-benzene[1,2-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	DiChloro-benzene[1,3-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	DiChloro-benzene[1,4-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	DiChloro-difluoro--methane	10	µg/l	none
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	DiChloro-ethane[1,1-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	DiChloro-ethane[1,2-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	DiChloro-ethene[1,1-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	DiChloro-ethene[cis-1,2-]	10	µg/l	none
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	DiChloro-ethene[trans-1,2-]	10	µg/l	none
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	DiChloro-propane[1,2-]	5	µg/l	none

Table I-4.0-11 (continued)
Volatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	DiChloro-propane[1,3-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	DiChloro-propane[2,2-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	DiChloro-propene[1,1-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	DiChloro-propene[cis-1,3-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	DiChloro-propene[trans-1,3-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Ethylbenzene	5	µg/l	none
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Hexanone[2-]	20	µg/l	none
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Iodomethane	5	µg/l	none
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Isopropylbenzene	5	µg/l	none
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Isopropyltoluene[4-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Methyl--2-pentanone[4-]	20	µg/l	none
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Methyl-ene Chloride	5	µg/l	none
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Propylbenzene[1-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Styrene	5	µg/l	none
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	TetraChloro-ethane[1,1,1,2-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	TetraChloro-ethane[1,1,2,2-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	TetraChloro-ethene	5	µg/l	none
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Toluene	5	µg/l	none
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	TriChloro--1,2,2-trifluoroethane[1,1,2-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	TriChloro-ethane[1,1,1-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	TriChloro-ethane[1,1,2-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	TriChloro-ethene	5	µg/l	none
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	TriChloro-fluoromethane	5	µg/l	none
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	TriChloro-propane[1,2,3-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Trimethylbenzene[1,2,4-]	5	µg/l	none

Table I-4.0-11 (continued)

Volatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Trimethylbenzene[1,3,5-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Vinyl Chloride	10	µg/l	none
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Xylene (Total)	5	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Acetone	55	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Benzene	5	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Bromobenzene	5	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	BromoChloro-methane	5	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	BromodiChloro-methane	5	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Bromoform	5	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Bromomethane	10	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Butanone[2-]	20	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Butyl-benzene[n-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Butyl-benzene[sec-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Butyl-benzene[tert-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Carbon Disulfide	5	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Carbon Tetrachloride	5	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Chloro-benzene	5	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Chloro-Dibromo-methane	5	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Chloro-ethane	10	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Chloro-form	5	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Chloro-methane	11	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Chloro-toluene[2-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Chloro-toluene[4-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Dibromo--3-Chloro-propane[1,2-]	10	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Dibromo-ethane[1,2-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Dibromo-methane	5	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	DiChloro-benzene[1,2-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	DiChloro-benzene[1,3-]	5	µg/l	none

Table I-4.0-11 (continued)
Volatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	DiChloro-benzene[1,4-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	DiChloro-difluoro--methane	10	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	DiChloro-ethane[1,1-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	DiChloro-ethane[1,2-]	7.7	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	DiChloro-ethene[1,1-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	DiChloro-ethene[cis-1,2-]	10	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	DiChloro-ethene[trans-1,2-]	10	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	DiChloro-propane[1,2-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	DiChloro-propane[1,3-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	DiChloro-propane[2,2-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	DiChloro-propene[1,1-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	DiChloro-propene[cis-1,3-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	DiChloro-propene[trans-1,3-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Ethylbenzene	5	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Hexanone[2-]	20	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Iodomethane	5	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Isopropylbenzene	5	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Isopropyltoluene[4-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Methyl--2-pentanone[4-]	20	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Methyl-ene Chloride	5	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Propylbenzene[1-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Styrene	5	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	TetraChloro-ethane[1,1,1,2-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	TetraChloro-ethane[1,1,2,2-]	5	µg/l	none

Table I-4.0-11 (continued)
Volatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	TetraChloro-ethene	5	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Toluene	5	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	TriChloro--1,2,2-trifluoroethane[1,1,2-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	TriChloroethane[1,1,1-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	TriChloroethane[1,1,2-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	TriChloro-ethene	5	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	TriChloro-fluoromethane	5	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	TriChloro-propane[1,2,3-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Trimethylbenzene[1,2,4-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Trimethylbenzene[1,3,5-]	5	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Vinyl Chloride	10	µg/l	none
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Xylene (Total)	5	µg/l	none
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Acetone	26	µg/l	none
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Benzene	5	µg/l	none
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Bromobenzene	5	µg/l	none
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	BromoChloro-methane	5	µg/l	none
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	BromodiChloro-methane	5	µg/l	none
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Bromoform	5	µg/l	none
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Bromomethane	10	µg/l	none
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Butanone[2-]	20	µg/l	none
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Butyl-benzene[n-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Butyl-benzene[sec-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Butyl-benzene[tert-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Carbon Disulfide	5	µg/l	none
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Carbon Tetrachloride	5	µg/l	none
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Chloro-benzene	5	µg/l	none
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Chloro-Dibromo-methane	5	µg/l	none
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Chloro-ethane	10	µg/l	none

Table I-4.0-11 (continued)
Volatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Chloro-form	5	µg/l	none
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Chloro-methane	10	µg/l	none
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Chloro-toluene[2-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Chloro-toluene[4-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Dibromo--3-Chloro-propane[1,2-]	10	µg/l	none
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Dibromo-ethane[1,2-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Dibromo-methane	5	µg/l	none
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	DiChloro-benzene[1,2-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	DiChloro-benzene[1,3-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	DiChloro-benzene[1,4-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	DiChloro-difluoro--methane	10	µg/l	none
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	DiChloro-ethane[1,1-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	DiChloro-ethane[1,2-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	DiChloro-ethene[1,1-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	DiChloro-ethene[cis-1,2-]	10	µg/l	none
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	DiChloro-ethene[trans-1,2-]	10	µg/l	none
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	DiChloro-propane[1,2-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	DiChloro-propane[1,3-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	DiChloro-propane[2,2-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	DiChloro-propene[1,1-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	DiChloro-propene[cis-1,3-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	DiChloro-propene[trans-1,3-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Ethylbenzene	5	µg/l	none
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Hexanone[2-]	20	µg/l	none
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Iodomethane	5	µg/l	none

Table I-4.0-11 (continued)
Volatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Isopropylbenzene	5	µg/l	none
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Isopropyltoluene[4-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Methyl--2-pentanone[4-]	20	µg/l	none
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Methyl-ene Chloride	5	µg/l	none
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Propylbenzene[1-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Styrene	5	µg/l	none
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	TetraChloro-ethane[1,1,1,2-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	TetraChloro-ethane[1,1,2,2-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	TetraChloro-ethene	5	µg/l	none
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Toluene	5	µg/l	none
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	TriChloro--1,2,2-trifluoroethane[1,1,2-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	TriChloroethane[1,1,1-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	TriChloroethane[1,1,2-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	TriChloro-ethene	5	µg/l	none
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	TriChloro-fluoromethane	5	µg/l	none
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	TriChloro-propane[1,2,3-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Trimethylbenzene[1,2,4-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Trimethylbenzene[1,3,5-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Vinyl Chloride	10	µg/l	none
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Xylene (Total)	5	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Acetone	23	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Benzene	5	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Bromobenzene	5	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	BromoChloro-methane	5	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	BromodiChloro-methane	5	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Bromoform	5	µg/l	none

Table I-4.0-11 (continued)
Volatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Bromomethane	10	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Butanone[2-]	20	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Butyl-benzene[n-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Butyl-benzene[sec-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Butyl-benzene[tert-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Carbon Disulfide	5	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Carbon Tetrachloride	5	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Chloro-benzene	5	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Chloro-Dibromo-methane	5	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Chloro-ethane	10	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Chloro-form	5	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Chloro-methane	10	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Chloro-toluene[2-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Chloro-toluene[4-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Dibromo--3-Chloro-propane[1,2-]	10	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Dibromo-ethane[1,2-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Dibromo-methane	5	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	DiChloro-benzene[1,2-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	DiChloro-benzene[1,3-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	DiChloro-benzene[1,4-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	DiChloro-difluoro--methane	10	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	DiChloro-ethane[1,1-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	DiChloro-ethane[1,2-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	DiChloro-ethene[1,1-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	DiChloro-ethene[cis-1,2-]	10	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	DiChloro-ethene[trans-1,2-]	10	µg/l	none

Table I-4.0-11 (continued)

Volatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	DiChloro-propane[1,2-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	DiChloro-propane[1,3-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	DiChloro-propane[2,2-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	DiChloro-propene[1,1-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	DiChloro-propene[cis-1,3-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	DiChloro-propene[trans-1,3-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Ethylbenzene	5	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Hexanone[2-]	20	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Iodomethane	5	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Isopropylbenzene	5	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Isopropyltoluene[4-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Methyl--2-pentanone[4-]	20	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Methyl-ene Chloride	5	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Propylbenzene[1-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Styrene	5	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	TetraChloro-ethane[1,1,1,2-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	TetraChloro-ethane[1,1,2,2-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	TetraChloro-ethene	5	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Toluene	5	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	TriChloro--1,2,2-trifluoroethane[1,1,2-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	TriChloro-ethane[1,1,1-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	TriChloro-ethane[1,1,2-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	TriChloro-ethene	5	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	TriChloro-fluoromethane	5	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	TriChloro-propane[1,2,3-]	5	µg/l	none

Table I-4.0-11 (continued)
Volatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Trimethylbenzene[1,2,4-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Trimethylbenzene[1,3,5-]	5	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Vinyl Chloride	10	µg/l	none
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Xylene (Total)	5	µg/l	none
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Acetone	25	µg/l	none
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Benzene	5	µg/l	none
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Bromobenzene	5	µg/l	none
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	BromoChloro-methane	5	µg/l	none
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	BromodiChloro-methane	5	µg/l	none
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Bromoform	5	µg/l	none
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Bromomethane	10	µg/l	none
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Butanone[2-]	20	µg/l	none
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Butyl-benzene[n-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Butyl-benzene[sec-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Butyl-benzene[tert-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Carbon Disulfide	5	µg/l	none
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Carbon Tetrachloride	5	µg/l	none
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Chloro-benzene	5	µg/l	none
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Chloro-Dibromo-methane	5	µg/l	none
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Chloro-ethane	10	µg/l	none
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Chloro-form	5	µg/l	none
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Chloro-methane	10	µg/l	none
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Chloro-toluene[2-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Chloro-toluene[4-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Dibromo--3-Chloro-propane[1,2-]	10	µg/l	none
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Dibromo-ethane[1,2-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Dibromo-methane	5	µg/l	none
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	DiChloro-benzene[1,2-]	5	µg/l	none

Table I-4.0-11 (continued)
Volatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	DiChloro-benzene[1,3-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	DiChloro-benzene[1,4-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	DiChloro-difluoro--methane	10	µg/l	none
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	DiChloro-ethane[1,1-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	DiChloro-ethane[1,2-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	DiChloro-ethene[1,1-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	DiChloro-ethene[cis-1,2-]	10	µg/l	none
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	DiChloro-ethene[trans-1,2-]	10	µg/l	none
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	DiChloro-propane[1,2-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	DiChloro-propane[1,3-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	DiChloro-propane[2,2-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	DiChloro-propene[1,1-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	DiChloro-propene[cis-1,3-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	DiChloro-propene[trans-1,3-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Ethylbenzene	5	µg/l	none
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Hexanone[2-]	20	µg/l	none
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Iodomethane	5	µg/l	none
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Isopropylbenzene	5	µg/l	none
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Isopropyltoluene[4-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Methyl--2-pentanone[4-]	20	µg/l	none
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Methyl-ene Chloride	5	µg/l	none
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Propylbenzene[1-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Styrene	5	µg/l	none
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	TetraChloro-ethane[1,1,1,2-]	5	µg/l	none

Table I-4.0-11 (continued)
Volatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	TetraChloro-ethane[1,1,2,2-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	TetraChloro-ethene	5	µg/l	none
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Toluene	5	µg/l	none
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	TriChloro--1,2,2-trifluoroethane[1,1,2-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	TriChloroethane[1,1,1-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	TriChloroethane[1,1,2-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	TriChloro-ethene	5	µg/l	none
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	TriChloro-fluoromethane	5	µg/l	none
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	TriChloro-propane[1,2,3-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Trimethylbenzene[1,2,4-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Trimethylbenzene[1,3,5-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Vinyl Chloride	10	µg/l	none
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Xylene (Total)	5	µg/l	none
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Acetone	20	µg/l	none
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Benzene	5	µg/l	none
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Bromobenzene	5	µg/l	none
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	BromoChloro-methane	5	µg/l	none
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	BromodiChloro-methane	5	µg/l	none
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Bromoform	5	µg/l	none
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Bromomethane	10	µg/l	none
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Butanone[2-]	20	µg/l	none
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Butyl-benzene[n-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Butyl-benzene[sec-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Butyl-benzene[tert-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Carbon Disulfide	5	µg/l	none
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Carbon Tetrachloride	5	µg/l	none
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Chloro-benzene	5	µg/l	none

Table I-4.0-11 (continued)

Volatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Chloro-Dibromo-methane	5	µg/l	none
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Chloro-ethane	10	µg/l	none
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Chloro-form	5	µg/l	none
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Chloro-methane	10	µg/l	none
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Chloro-toluene[2-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Chloro-toluene[4-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Dibromo--3-Chloro-propane[1,2-]	10	µg/l	none
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Dibromo-ethane[1,2-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Dibromo-methane	5	µg/l	none
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	DiChloro-benzene[1,2-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	DiChloro-benzene[1,3-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	DiChloro-benzene[1,4-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	DiChloro-difluoro--methane	10	µg/l	none
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	DiChloro-ethane[1,1-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	DiChloro-ethane[1,2-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	DiChloro-ethene[1,1-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	DiChloro-ethene[cis-1,2-]	10	µg/l	none
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	DiChloro-ethene[trans-1,2-]	10	µg/l	none
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	DiChloro-propane[1,2-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	DiChloro-propane[1,3-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	DiChloro-propane[2,2-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	DiChloro-propene[1,1-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	DiChloro-propene[cis-1,3-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	DiChloro-propene[trans-1,3-]	5	µg/l	none

Table I-4.0-11 (completed)
Volatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Ethylbenzene	5	µg/l	none
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Hexanone[2-]	20	µg/l	none
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Iodomethane	5	µg/l	none
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Isopropylbenzene	5	µg/l	none
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Isopropyltoluene[4-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Methyl--2-pentanone[4-]	20	µg/l	none
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Methyl-ene Chloride	5	µg/l	none
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Propylbenzene[1-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Styrene	5	µg/l	none
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	TetraChloro-ethane[1,1,1,2-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	TetraChloro-ethane[1,1,2,2-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	TetraChloro-ethene	5	µg/l	none
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Toluene	5	µg/l	none
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	TriChloro--1,2,2-trifluoroethane[1,1,2-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	TriChloro-ethane[1,1,1-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	TriChloro-ethane[1,1,2-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	TriChloro-ethene	5	µg/l	none
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	TriChloro-fluoromethane	5	µg/l	none
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	TriChloro-propane[1,2,3-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Trimethylbenzene[1,2,4-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Trimethylbenzene[1,3,5-]	5	µg/l	none
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Vinyl Chloride	10	µg/l	none
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Xylene (Total)	5	µg/l	none

Table I-4.0-12
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Acenaphthene	10	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Acenaphthylene	10	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Aniline	10	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Anthracene	10	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Azobenzene	10	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Benzo(a)-anthracene	10	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Benzo(a)-pyrene	10	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Benzo(b)-fluoranthene	10	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Benzo(g,h,i)-perylene	10	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Benzo(k)fluoranthene	10	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Benzoic Acid	50	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Benzyl Alcohol	20	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Bis(2-Chloro-ethoxy)methane	10	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Bis(2-Chloro-ethyl)ether	10	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Bis(2-ethylhexyl)phthalate	10	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Bromophenyl-phenylether[4-]	10	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Butyl-benzylphthalate	10	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Carbazole	10	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Chloro--3-methylphenol[4-]	20	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Chloro-aniline[4-]	20	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Chloro-naphthalene[2-]	10	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Chloro-phenol[2-]	10	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Chloro-phenyl-phenyl[4-] Ether	10	µg/l	U

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Chrysene	10	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Dibenz(a,h)anthracene	10	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Dibenzofuran	10	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	DiChloro-benzene[1,2-]	10	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	DiChloro-benzene[1,3-]	10	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	DiChloro-benzene[1,4-]	10	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	DiChloro-benzidine[3,3'-]	20	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	DiChloro-phenol[2,4-]	10	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Diethylphthalate	10	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Dimethyl Phthalate	10	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Dimethylphenol[2,4-]	10	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Di-n-Butyl-phthalate	1	µg/l	J
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Dinitro--2-methylphenol[4,6-]	50	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Dinitro-phenol[2,4-]	50	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Dinitro-toluene[2,4-]	10	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Dinitro-toluene[2,6-]	10	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Di-n-octylphthalate	10	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Fluoranthene	10	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Fluorene	10	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	HexaChloro-benzene	10	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	HexaChloro-butadiene	10	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	HexaChloro-cyclopentadiene	10	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	HexaChloro-ethane	10	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Indeno(1,2,3-cd)pyrene	10	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Isophorone	10	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Methyl-naphthalene[2-]	10	µg/l	U

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Methyl-phenol[2-]	10	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Methyl-phenol[4-]	10	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Naphthalene	10	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Nitroaniline[2-]	50	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Nitroaniline[3-]	50	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Nitroaniline[4-]	20	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Nitrobenzene	10	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Nitrophenol[2-]	10	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Nitrophenol[4-]	50	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Nitrosodimethylamine[N-]	10	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Nitroso-di-n-propylamine[N-]	10	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Nitrosodiphenylamine[N-]	10	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Oxybis(1-Chloro-propane)[2,2'-]	10	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	PentaChloro-phenol	50	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Phenanthrene	10	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Phenol	10	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	Pyrene	10	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	TriChloro-benzene [1,2,4-]	10	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	TriChloro-phenol[2,4,5-]	50	µg/l	U
NA	16-2652	0316-96-3000	20-Dec-96	Unfiltered	WGS	TriChloro-phenol[2,4,6-]	10	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Acenaphthene	10	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Acenaphthylene	10	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Aniline	10	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Anthracene	10	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Azobenzene	10	µg/l	U

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Benzo(a)-anthracene	10	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Benzo(a)-pyrene	10	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Benzo(b)-fluoranthene	10	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Benzo(g,h,i)-perylene	10	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Benzo(k)fluoranthene	10	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Benzoic Acid	50	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Benzyl Alcohol	20	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Bis(2-Chloro-ethoxy)methane	10	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Bis(2-Chloro-ethyl)ether	10	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Bis(2-ethylhexyl)phthalate	3	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Bromophenyl-phenylether[4-]	10	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Butyl-benzylphthalate	10	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Carbazole	10	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Chloro--3-methylphenol[4-]	20	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Chloro-aniline[4-]	20	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Chloro-naphthalene[2-]	10	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Chloro-phenol[2-]	10	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Chloro-phenyl-phenyl[4-] Ether	10	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Chrysene	10	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Dibenz(a,h)anthracene	10	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Dibenzofuran	10	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	DiChloro-benzene[1,2-]	10	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	DiChloro-benzene[1,3-]	10	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	DiChloro-benzene[1,4-]	10	µg/l	U

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	DiChloro-benzidine[3,3'-]	20	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	DiChloro-phenol[2,4-]	10	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Diethylphthalate	10	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Dimethyl Phthalate	10	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Dimethylphenol[2,4-]	10	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Di-n-Butyl-phthalate	10	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Dinitro--2-methylphenol[4,6-]	50	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Dinitro-phenol[2,4-]	50	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Dinitro-toluene[2,4-]	10	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Dinitro-toluene[2,6-]	10	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Di-n-octylphthalate	10	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Fluoranthene	10	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Fluorene	10	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	HexaChloro-benzene	10	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	HexaChloro-butadiene	10	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	HexaChloro-cyclopentadiene	10	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	HexaChloro-ethane	10	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Indeno(1,2,3-cd)pyrene	10	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Isophorone	10	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Methyl-naphthalene[2-]	10	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Methyl-phenol[2-]	10	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Methyl-phenol[4-]	10	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Naphthalene	10	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Nitroaniline[2-]	50	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Nitroaniline[3-]	50	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Nitroaniline[4-]	20	µg/l	U

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Nitrobenzene	10	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Nitrophenol[2-]	10	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Nitrophenol[4-]	50	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Nitrosodimethylamine[N-]	10	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Nitroso-di-n-propylamine[N-]	10	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Nitrosodiphenylamine[N-]	10	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Oxybis(1-Chloro-propane)[2,2'-]	10	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	PentaChloro-phenol	50	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Phenanthrene	10	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Phenol	10	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	Pyrene	10	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	TriChloro-benzene [1,2,4-]	10	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	TriChloro-phenol[2,4,5-]	50	µg/l	U
NA	16-2651	0316-96-3001	20-Dec-96	Unfiltered	WGS	TriChloro-phenol[2,4,6-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Acenaphthene	10	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Acenaphthylene	10	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Aniline	20	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Anthracene	10	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Azobenzene	20	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Benzo(a)-anthracene	10	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Benzo(a)-pyrene	10	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Benzo(b)-fluoranthene	10	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Benzo(g,h,i)-perylene	10	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Benzo(k)fluoranthene	10	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Benzoic Acid	50	µg/l	U

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Benzyl Alcohol	20	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Bis(2-Chloro-ethoxy)methane	10	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Bis(2-Chloro-ethyl)ether	10	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Bis(2-ethylhexyl)phthalate	10	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Bromophenyl-phenylether[4-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Butyl-benzylphthalate	10	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Chloro--3-methylphenol[4-]	20	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Chloro-aniline[4-]	20	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Chloro-naphthalene[2-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Chloro-phenol[2-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Chloro-phenyl-phenyl[4-] Ether	10	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Chrysene	10	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Dibenz(a,h)anthracene	10	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Dibenzofuran	10	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	DiChloro-benzene[1,2-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	DiChloro-benzene[1,3-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	DiChloro-benzene[1,4-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	DiChloro-benzidine[3,3'-]	20	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	DiChloro-phenol[2,4-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Diethylphthalate	10	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Dimethyl Phthalate	10	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Dimethylphenol[2,4-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Di-n-Butyl-phthalate	10	µg/l	U

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Dinitro--2-methylphenol[4,6-]	50	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Dinitro-phenol[2,4-]	50	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Dinitro-toluene[2,4-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Dinitro-toluene[2,6-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Di-n-octylphthalate	10	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Fluoranthene	10	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Fluorene	10	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	HexaChloro-benzene	10	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	HexaChloro-butadiene	10	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	HexaChloro-cyclopentadiene	10	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	HexaChloro-ethane	10	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Indeno(1,2,3-cd)pyrene	10	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Isophorone	10	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Methyl-naphthalene[2-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Methyl-phenol[2-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Methyl-phenol[4-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Naphthalene	10	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Nitroaniline[2-]	50	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Nitroaniline[3-]	50	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Nitroaniline[4-]	20	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Nitrobenzene	10	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Nitrophenol[2-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Nitrophenol[4-]	50	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Nitrosodimethylamine[N-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Nitroso-di-n-propylamine[N-]	10	µg/l	U

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Nitrosodiphenylamine[N-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Oxybis(1-Chloro-propane)[2,2'-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	PentaChloro-phenol	50	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Phenanthrene	10	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Phenol	10	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	Pyrene	10	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	TriChloro-benzene [1,2,4-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	TriChloro-phenol[2,4,5-]	50	µg/l	U
16-021(c)	16-2650	0316-97-3000	31-Mar-97	Filtered	WGI	TriChloro-phenol[2,4,6-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Acenaphthene	10	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Acenaphthylene	10	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Aniline	20	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Anthracene	10	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Azobenzene	20	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Benzo(a)-anthracene	10	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Benzo(a)-pyrene	10	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Benzo(b)-fluoranthene	10	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Benzo(g,h,i)-perylene	10	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Benzo(k)fluoranthene	10	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Benzoic Acid	50	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Benzyl Alcohol	20	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Bis(2-Chloro-ethoxy)methane	10	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Bis(2-Chloro-ethyl)ether	10	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Bis(2-ethylhexyl)phthalate	10	µg/l	U

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Bromophenyl-phenylether[4-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Butyl-benzylphthalate	10	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Chloro--3-methylphenol[4-]	20	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Chloro-aniline[4-]	20	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Chloro-naphthalene[2-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Chloro-phenol[2-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Chloro-phenyl-phenyl[4-] Ether	10	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Chrysene	10	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Dibenz(a,h)anthracene	10	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Dibenzofuran	10	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	DiChloro-benzene[1,2-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	DiChloro-benzene[1,3-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	DiChloro-benzene[1,4-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	DiChloro-benzidine[3,3'-]	20	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	DiChloro-phenol[2,4-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Diethylphthalate	10	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Dimethyl Phthalate	10	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Dimethylphenol[2,4-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Di-n-Butyl-phthalate	10	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Dinitro--2-methylphenol[4,6-]	50	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Dinitro-phenol[2,4-]	50	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Dinitro-toluene[2,4-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Dinitro-toluene[2,6-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Di-n-octylphthalate	10	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Fluoranthene	10	µg/l	U

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Fluorene	10	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	HexaChloro-benzene	10	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	HexaChloro-butadiene	10	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	HexaChloro-cyclopentadiene	10	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	HexaChloro-ethane	10	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Indeno(1,2,3-cd)pyrene	10	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Isophorone	10	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Methyl-naphthalene[2-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Methyl-phenol[2-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Methyl-phenol[4-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Naphthalene	10	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Nitroaniline[2-]	50	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Nitroaniline[3-]	50	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Nitroaniline[4-]	20	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Nitrobenzene	10	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Nitrophenol[2-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Nitrophenol[4-]	50	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Nitrosodimethylamine[N-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Nitroso-di-n-propylamine[N-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Nitrosodiphenylamine[N-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Oxybis(1-Chloro-propane)[2,2'-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	PentaChloro-phenol	50	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Phenanthrene	10	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Phenol	10	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	Pyrene	10	µg/l	U

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	TriChloro-benzene [1,2,4-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	TriChloro-phenol[2,4,5-]	50	µg/l	U
16-021(c)	16-2650	0316-97-3001	31-Mar-97	Unfiltered	WGI	TriChloro-phenol[2,4,6-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Acenaphthene	10	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Acenaphthylene	10	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Aniline	20	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Anthracene	10	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Azobenzene	20	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Benzo(a)-anthracene	10	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Benzo(a)-pyrene	10	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Benzo(b)-fluoranthene	10	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Benzo(g,h,i)-perylene	10	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Benzo(k)fluoranthene	10	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Benzoic Acid	50	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Benzyl Alcohol	20	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Bis(2-Chloro-ethoxy)methane	10	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Bis(2-Chloro-ethyl)ether	10	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Bis(2-ethylhexyl)phthalate	10	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Bromophenyl-phenylether[4-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Butyl-benzylphthalate	10	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Chloro--3-methylphenol[4-]	20	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Chloro-aniline[4-]	20	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Chloro-naphthalene[2-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Chloro-phenol[2-]	10	µg/l	U

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Chloro-phenyl-phenyl[4-] Ether	10	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Chrysene	10	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Dibenz(a,h)anthracene	10	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Dibenzofuran	10	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	DiChloro-benzene[1,2-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	DiChloro-benzene[1,3-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	DiChloro-benzene[1,4-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	DiChloro-benzidine[3,3'-]	20	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	DiChloro-phenol[2,4-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Diethylphthalate	10	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Dimethyl Phthalate	10	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Dimethylphenol[2,4-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Di-n-Butyl-phthalate	10	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Dinitro--2-methylphenol[4,6-]	50	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Dinitro-phenol[2,4-]	50	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Dinitro-toluene[2,4-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Dinitro-toluene[2,6-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Di-n-octylphthalate	10	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Fluoranthene	10	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Fluorene	10	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	HexaChloro-benzene	10	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	HexaChloro-butadiene	10	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	HexaChloro-cyclopentadiene	10	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	HexaChloro-ethane	10	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Indeno(1,2,3-cd)pyrene	10	µg/l	U

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Isophorone	10	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Methyl-naphthalene[2-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Methyl-phenol[2-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Methyl-phenol[4-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Naphthalene	10	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Nitroaniline[2-]	50	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Nitroaniline[3-]	50	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Nitroaniline[4-]	20	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Nitrobenzene	10	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Nitrophenol[2-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Nitrophenol[4-]	50	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Nitrosodimethylamine[N-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Nitroso-di-n-propylamine[N-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Nitrosodiphenylamine[N-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Oxybis(1-Chloro-propane)[2,2'-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	PentaChloro-phenol	50	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Phenanthrene	10	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Phenol	10	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	Pyrene	10	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	TriChloro-benzene [1,2,4-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	TriChloro-phenol[2,4,5-]	50	µg/l	U
16-021(c)	16-2651	0316-97-3003	31-Mar-97	Filtered	WGI	TriChloro-phenol[2,4,6-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Acenaphthene	10	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Acenaphthylene	10	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Aniline	20	µg/l	U

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Anthracene	10	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Azobenzene	20	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Benzo(a)-anthracene	10	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Benzo(a)-pyrene	10	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Benzo(b)-fluoranthene	10	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Benzo(g,h,i)-perylene	10	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Benzo(k)fluoranthene	10	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Benzoic Acid	50	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Benzyl Alcohol	20	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Bis(2-Chloro-ethoxy)methane	10	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Bis(2-Chloro-ethyl)ether	10	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Bis(2-ethylhexyl)phthalate	10	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Bromophenyl-phenylether[4-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Butyl-benzylphthalate	10	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Chloro--3-methylphenol[4-]	20	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Chloro-aniline[4-]	20	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Chloro-naphthalene[2-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Chloro-phenol[2-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Chloro-phenyl-phenyl[4-] Ether	10	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Chrysene	10	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Dibenz(a,h)anthracene	10	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Dibenzofuran	10	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	DiChloro-benzene[1,2-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	DiChloro-benzene[1,3-]	10	µg/l	U

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	DiChloro-benzene[1,4-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	DiChloro-benzidine[3,3'-]	20	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	DiChloro-phenol[2,4-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Diethylphthalate	10	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Dimethyl Phthalate	10	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Dimethylphenol[2,4-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Di-n-Butyl-phthalate	10	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Dinitro--2-methylphenol[4,6-]	50	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Dinitro-phenol[2,4-]	50	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Dinitro-toluene[2,4-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Dinitro-toluene[2,6-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Di-n-octylphthalate	10	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Fluoranthene	10	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Fluorene	10	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	HexaChloro-benzene	10	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	HexaChloro-butadiene	10	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	HexaChloro-cyclopentadiene	10	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	HexaChloro-ethane	10	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Indeno(1,2,3-cd)pyrene	10	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Isophorone	10	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Methyl-naphthalene[2-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Methyl-phenol[2-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Methyl-phenol[4-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Naphthalene	10	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Nitroaniline[2-]	50	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Nitroaniline[3-]	50	µg/l	U

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Nitroaniline[4-]	20	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Nitrobenzene	10	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Nitrophenol[2-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Nitrophenol[4-]	50	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Nitrosodimethylamine[N-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Nitroso-di-n-propylamine[N-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Nitrosodiphenylamine[N-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Oxybis(1-Chloro-propane)[2,2'-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	PentaChloro-phenol	50	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Phenanthrene	10	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Phenol	10	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	Pyrene	10	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	TriChloro-benzene [1,2,4-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	TriChloro-phenol[2,4,5-]	50	µg/l	U
16-021(c)	16-2651	0316-97-3004	31-Mar-97	Unfiltered	WGI	TriChloro-phenol[2,4,6-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Acenaphthene	10	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Acenaphthylene	10	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Aniline	20	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Anthracene	10	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Azobenzene	20	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Benzo(a)-anthracene	10	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Benzo(a)-pyrene	10	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Benzo(b)-fluoranthene	10	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Benzo(g,h,i)-perylene	10	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Benzo(k)fluoranthene	10	µg/l	U

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Benzoic Acid	50	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Benzyl Alcohol	20	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Bis(2-Chloro-ethoxy)methane	10	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Bis(2-Chloro-ethyl)ether	10	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Bis(2-ethylhexyl)phthalate	10	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Bromophenyl-phenylether[4-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Butyl-benzylphthalate	10	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Chloro--3-methylphenol[4-]	20	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Chloro-aniline[4-]	20	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Chloro-naphthalene[2-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Chloro-phenol[2-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Chloro-phenyl-phenyl[4-] Ether	10	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Chrysene	10	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Dibenz(a,h)anthracene	10	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Dibenzofuran	10	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	DiChloro-benzene[1,2-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	DiChloro-benzene[1,3-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	DiChloro-benzene[1,4-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	DiChloro-benzidine[3,3'-]	20	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	DiChloro-phenol[2,4-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Diethylphthalate	10	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Dimethyl Phthalate	10	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Dimethylphenol[2,4-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Di-n-Butyl-phthalate	10	µg/l	U

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Dinitro--2-methylphenol[4,6-]	50	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Dinitro-phenol[2,4-]	50	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Dinitro-toluene[2,4-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Dinitro-toluene[2,6-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Di-n-octylphthalate	10	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Fluoranthene	10	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Fluorene	10	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	HexaChloro-benzene	10	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	HexaChloro-butadiene	10	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	HexaChloro-cyclopentadiene	10	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	HexaChloro-ethane	10	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Indeno(1,2,3-cd)pyrene	10	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Isophorone	10	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Methyl-naphthalene[2-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Methyl-phenol[2-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Methyl-phenol[4-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Naphthalene	10	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Nitroaniline[2-]	50	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Nitroaniline[3-]	50	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Nitroaniline[4-]	20	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Nitrobenzene	10	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Nitrophenol[2-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Nitrophenol[4-]	50	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Nitrosodimethylamine[N-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Nitroso-di-n-propylamine[N-]	10	µg/l	U

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Nitrosodiphenylamine[N-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Oxybis(1-Chloro-propane)[2,2'-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	PentaChloro-phenol	50	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Phenanthrene	10	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Phenol	10	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	Pyrene	10	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	TriChloro-benzene [1,2,4-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	TriChloro-phenol[2,4,5-]	50	µg/l	U
16-021(c)	16-2652	0316-97-3006	31-Mar-97	Filtered	WGI	TriChloro-phenol[2,4,6-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Acenaphthene	10	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Acenaphthylene	10	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Aniline	20	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Anthracene	10	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Azobenzene	20	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Benzo(a)-anthracene	10	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Benzo(a)-pyrene	10	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Benzo(b)-fluoranthene	10	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Benzo(g,h,i)-perylene	10	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Benzo(k)fluoranthene	10	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Benzoic Acid	50	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Benzyl Alcohol	20	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Bis(2-Chloro-ethoxy)methane	10	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Bis(2-Chloro-ethyl)ether	10	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Bis(2-ethylhexyl)phthalate	10	µg/l	U

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Bromophenyl-phenylether[4-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Butyl-benzylphthalate	10	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Chloro--3-methylphenol[4-]	20	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Chloro-aniline[4-]	20	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Chloro-naphthalene[2-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Chloro-phenol[2-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Chloro-phenyl-phenyl[4-] Ether	10	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Chrysene	10	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Dibenz(a,h)anthracene	10	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Dibenzofuran	10	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	DiChloro-benzene[1,2-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	DiChloro-benzene[1,3-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	DiChloro-benzene[1,4-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	DiChloro-benzidine[3,3'-]	20	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	DiChloro-phenol[2,4-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Diethylphthalate	10	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Dimethyl Phthalate	10	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Dimethylphenol[2,4-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Di-n-Butyl-phthalate	10	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Dinitro--2-methylphenol[4,6-]	50	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Dinitro-phenol[2,4-]	50	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Dinitro-toluene[2,4-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Dinitro-toluene[2,6-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Di-n-octylphthalate	10	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Fluoranthene	10	µg/l	U

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Fluorene	10	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	HexaChloro-benzene	10	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	HexaChloro-butadiene	10	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	HexaChloro-cyclopentadiene	10	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	HexaChloro-ethane	10	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Indeno(1,2,3-cd)pyrene	10	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Isophorone	10	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Methyl-naphthalene[2-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Methyl-phenol[2-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Methyl-phenol[4-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Naphthalene	10	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Nitroaniline[2-]	50	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Nitroaniline[3-]	50	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Nitroaniline[4-]	20	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Nitrobenzene	10	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Nitrophenol[2-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Nitrophenol[4-]	50	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Nitrosodimethylamine[N-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Nitroso-di-n-propylamine[N-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Nitrosodiphenylamine[N-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Oxybis(1-Chloro-propane)[2,2'-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	PentaChloro-phenol	50	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Phenanthrene	10	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Phenol	10	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	Pyrene	10	µg/l	U

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	TriChloro-benzene [1,2,4-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	TriChloro-phenol[2,4,5-]	50	µg/l	U
16-021(c)	16-2652	0316-97-3007	31-Mar-97	Unfiltered	WGI	TriChloro-phenol[2,4,6-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Acenaphthene	10	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Acenaphthylene	10	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Aniline	25	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Anthracene	10	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Azobenzene	10	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Benzidine	50	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Benzo(a)-anthracene	10	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Benzo(a)-pyrene	10	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Benzo(b)-fluoranthene	10	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Benzo(g,h,i)-perylene	10	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Benzoic Acid	50	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Benzyl Alcohol	10	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Bis(2-Chloro-ethoxy)methane	10	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Bis(2-Chloro-ethyl)ether	10	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Bis(2-ethylhexyl)phthalate	10	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Bromophenyl-phenylether[4-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Butyl-benzylphthalate	10	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Carbazole	10	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Chloro--3-methylphenol[4-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Chloro-aniline[4-]	25	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Chloro-naphthalene[2-]	10	µg/l	U

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Chloro-phenol[2-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Chloro-phenyl-phenyl[4-] Ether	10	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Chrysene	10	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Dibenz(a,h)anthracene	10	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Dibenzofuran	10	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	DiChloro-benzene[1,2-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	DiChloro-benzene[1,3-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	DiChloro-benzene[1,4-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	DiChloro-benzidine[3,3'-]	50	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	DiChloro-phenol[2,4-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Diethylphthalate	10	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Dimethyl Phthalate	10	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Dimethylphenol[2,4-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Di-n-Butyl-phthalate	10	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Dinitro--2-methylphenol[4,6-]	50	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Dinitro-phenol[2,4-]	50	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Dinitro-toluene[2,4-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Dinitro-toluene[2,6-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Di-n-octylphthalate	10	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Fluoranthene	10	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Fluorene	10	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	HexaChloro-benzene	10	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	HexaChloro-butadiene	10	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	HexaChloro-cyclopentadiene	10	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	HexaChloro-ethane	10	µg/l	U

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Indeno(1,2,3-cd)pyrene	10	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Isophorone	10	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Methyl-naphthalene[2-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Methyl-phenol[2-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Methyl-phenol[4-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Naphthalene	10	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Nitroaniline[2-]	50	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Nitroaniline[3-]	50	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Nitroaniline[4-]	50	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Nitrobenzene	10	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Nitrophenol[2-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Nitrophenol[4-]	50	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Nitrosodimethylamine[N-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Nitroso-di-n-propylamine[N-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Nitrosodiphenylamine[N-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Oxybis(1-Chloro-propane)[2,2'-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	PentaChloro-phenol	50	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Phenanthrene	10	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Phenol	10	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Pyrene	10	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	Pyridine	10	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	TriChloro-benzene [1,2,4-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	TriChloro-phenol[2,4,5-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3012	27-Jun-97	Filtered	WGI	TriChloro-phenol[2,4,6-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Acenaphthene	10	µg/l	U

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Acenaphthylene	10	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Aniline	25	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Anthracene	10	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Azobenzene	10	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Benzidine	50	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Benzo(a)-anthracene	10	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Benzo(a)-pyrene	10	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Benzo(b)-fluoranthene	10	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Benzo(g,h,i)-perylene	10	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Benzoic Acid	50	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Benzyl Alcohol	10	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Bis(2-Chloro-ethoxy)methane	10	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Bis(2-Chloro-ethyl)ether	10	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Bis(2-ethylhexyl)phthalate	10	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Bromophenyl-phenylether[4-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Butyl-benzylphthalate	10	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Carbazole	10	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Chloro--3-methylphenol[4-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Chloro-aniline[4-]	25	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Chloro-naphthalene[2-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Chloro-phenol[2-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Chloro-phenyl-phenyl[4-] Ether	10	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Chrysene	10	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Dibenz(a,h)anthracene	10	µg/l	U

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Dibenzofuran	10	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	DiChloro-benzene[1,2-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	DiChloro-benzene[1,3-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	DiChloro-benzene[1,4-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	DiChloro-benzidine[3,3'-]	50	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	DiChloro-phenol[2,4-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Diethylphthalate	10	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Dimethyl Phthalate	10	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Dimethylphenol[2,4-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Di-n-Butyl-phthalate	10	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Dinitro--2-methylphenol[4,6-]	50	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Dinitro-phenol[2,4-]	50	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Dinitro-toluene[2,4-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Dinitro-toluene[2,6-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Di-n-octylphthalate	10	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Fluoranthene	10	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Fluorene	10	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	HexaChloro-benzene	10	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	HexaChloro-butadiene	10	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	HexaChloro-cyclopentadiene	10	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	HexaChloro-ethane	10	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Indeno(1,2,3-cd)pyrene	10	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Isophorone	10	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Methyl-naphthalene[2-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Methyl-phenol[2-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Methyl-phenol[4-]	10	µg/l	U

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Naphthalene	10	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Nitroaniline[2-]	50	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Nitroaniline[3-]	50	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Nitroaniline[4-]	50	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Nitrobenzene	10	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Nitrophenol[2-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Nitrophenol[4-]	50	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Nitrosodimethylamine[N-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Nitroso-di-n-propylamine[N-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Nitrosodiphenylamine[N-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Oxybis(1-Chloro-propane)[2,2'-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	PentaChloro-phenol	50	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Phenanthrene	10	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Phenol	10	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Pyrene	10	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	Pyridine	10	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	TriChloro-benzene [1,2,4-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	TriChloro-phenol[2,4,5-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3013	27-Jun-97	Unfiltered	WGI	TriChloro-phenol[2,4,6-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Acenaphthene	10	µg/l	R
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Acenaphthylene	10	µg/l	R
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Aniline	25	µg/l	R
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Anthracene	10	µg/l	R
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Azobenzene	10	µg/l	R
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Benzidine	50	µg/l	R

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Benzo(a)-anthracene	10	µg/l	R
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Benzo(a)-pyrene	10	µg/l	R
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Benzo(b)-fluoranthene	10	µg/l	R
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Benzo(g,h,i)-perylene	10	µg/l	R
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Benzoic Acid	50	µg/l	R
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Benzyl Alcohol	10	µg/l	R
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Bis(2-Chloro-ethoxy)methane	10	µg/l	R
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Bis(2-Chloro-ethyl)ether	10	µg/l	R
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Bis(2-ethylhexyl)phthalate	10	µg/l	R
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Bromophenyl-phenylether[4-]	10	µg/l	R
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Butyl-benzylphthalate	10	µg/l	R
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Carbazole	10	µg/l	R
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Chloro--3-methylphenol[4-]	10	µg/l	R
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Chloro-aniline[4-]	25	µg/l	R
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Chloro-naphthalene[2-]	10	µg/l	R
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Chloro-phenol[2-]	10	µg/l	R
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Chloro-phenyl-phenyl[4-] Ether	10	µg/l	R
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Chrysene	10	µg/l	R
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Dibenz(a,h)anthracene	10	µg/l	R
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Dibenzofuran	10	µg/l	R
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	DiChloro-benzene[1,2-]	10	µg/l	R
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	DiChloro-benzene[1,3-]	10	µg/l	R
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	DiChloro-benzene[1,4-]	10	µg/l	R
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	DiChloro-benzidine[3,3'-]	50	µg/l	R

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	DiChloro-phenol[2,4-]	10	µg/l	R
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Diethylphthalate	10	µg/l	R
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Dimethyl Phthalate	10	µg/l	R
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Dimethylphenol[2,4-]	10	µg/l	R
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Di-n-Butyl-phthalate	10	µg/l	R
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Dinitro--2-methylphenol[4,6-]	50	µg/l	R
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Dinitro-phenol[2,4-]	50	µg/l	R
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Dinitro-toluene[2,4-]	10	µg/l	R
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Dinitro-toluene[2,6-]	10	µg/l	R
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Di-n-octylphthalate	10	µg/l	R
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Fluoranthene	10	µg/l	R
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Fluorene	10	µg/l	R
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	HexaChloro-benzene	10	µg/l	R
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	HexaChloro-butadiene	10	µg/l	R
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	HexaChloro-cyclopentadiene	10	µg/l	R
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	HexaChloro-ethane	10	µg/l	R
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Indeno(1,2,3-cd)pyrene	10	µg/l	R
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Isophorone	10	µg/l	R
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Methyl-naphthalene[2-]	10	µg/l	R
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Methyl-phenol[2-]	10	µg/l	R
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Methyl-phenol[4-]	10	µg/l	R
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Naphthalene	10	µg/l	R
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Nitroaniline[2-]	50	µg/l	R
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Nitroaniline[3-]	50	µg/l	R
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Nitroaniline[4-]	50	µg/l	R
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Nitrobenzene	10	µg/l	R

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Nitrophenol[2-]	10	µg/l	R
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Nitrophenol[4-]	50	µg/l	R
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Nitrosodimethylamine[N-]	10	µg/l	R
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Nitroso-di-n-propylamine[N-]	10	µg/l	R
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Nitrosodiphenylamine[N-]	10	µg/l	R
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Oxybis(1-Chloro-propane)[2,2'-]	10	µg/l	R
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	PentaChloro-phenol	50	µg/l	R
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Phenanthrene	10	µg/l	R
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Phenol	10	µg/l	R
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Pyrene	10	µg/l	R
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	Pyridine	10	µg/l	R
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	TriChloro-benzene [1,2,4-]	10	µg/l	R
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	TriChloro-phenol[2,4,5-]	10	µg/l	R
16-021(c)	16-2652	0316-97-3016	27-Jun-97	Filtered	WGI	TriChloro-phenol[2,4,6-]	10	µg/l	R
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Acenaphthene	10	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Acenaphthylene	10	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Aniline	25	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Anthracene	10	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Azobenzene	10	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Benzidine	50	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Benzo(a)-anthracene	10	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Benzo(a)-pyrene	10	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Benzo(b)-fluoranthene	10	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Benzo(g,h,i)-perylene	10	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Benzoic Acid	50	µg/l	U

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Benzyl Alcohol	10	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Bis(2-Chloro-ethoxy)methane	10	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Bis(2-Chloro-ethyl)ether	10	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Bis(2-ethylhexyl)phthalate	10	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Bromophenyl-phenylether[4-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Butyl-benzylphthalate	10	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Carbazole	10	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Chloro--3-methylphenol[4-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Chloro-aniline[4-]	25	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Chloro-naphthalene[2-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Chloro-phenol[2-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Chloro-phenyl-phenyl[4-] Ether	10	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Chrysene	10	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Dibenz(a,h)anthracene	10	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Dibenzofuran	10	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	DiChloro-benzene[1,2-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	DiChloro-benzene[1,3-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	DiChloro-benzene[1,4-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	DiChloro-benzidine[3,3'-]	50	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	DiChloro-phenol[2,4-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Diethylphthalate	10	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Dimethyl Phthalate	10	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Dimethylphenol[2,4-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Di-n-Butyl-phthalate	10	µg/l	U

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Dinitro--2-methylphenol[4,6-]	50	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Dinitro-phenol[2,4-]	50	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Dinitro-toluene[2,4-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Dinitro-toluene[2,6-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Di-n-octylphthalate	10	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Fluoranthene	10	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Fluorene	10	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	HexaChloro-benzene	10	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	HexaChloro-butadiene	10	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	HexaChloro-cyclopentadiene	10	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	HexaChloro-ethane	10	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Indeno(1,2,3-cd)pyrene	10	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Isophorone	10	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Methyl-naphthalene[2-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Methyl-phenol[2-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Methyl-phenol[4-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Naphthalene	10	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Nitroaniline[2-]	50	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Nitroaniline[3-]	50	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Nitroaniline[4-]	50	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Nitrobenzene	10	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Nitrophenol[2-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Nitrophenol[4-]	50	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Nitrosodimethylamine[N-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Nitroso-di-n-propylamine[N-]	10	µg/l	U

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Nitrosodiphenylamine[N-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Oxybis(1-Chloro-propane)[2,2'-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	PentaChloro-phenol	50	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Phenanthrene	10	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Phenol	10	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Pyrene	10	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	Pyridine	10	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	TriChloro-benzene [1,2,4-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	TriChloro-phenol[2,4,5-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3017	27-Jun-97	Unfiltered	WGI	TriChloro-phenol[2,4,6-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Acenaphthene	10	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Acenaphthylene	10	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Aniline	25	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Anthracene	10	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Azobenzene	10	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Benzidine	50	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Benzo(a)-anthracene	10	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Benzo(a)-pyrene	10	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Benzo(b)-fluoranthene	10	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Benzo(g,h,i)-perylene	10	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Benzoic Acid	50	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Benzyl Alcohol	10	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Bis(2-Chloro-ethoxy)methane	10	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Bis(2-Chloro-ethyl)ether	10	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Bis(2-ethylhexyl)phthalate	10	µg/l	U

Table I-4.0-12 (continued)

Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Bromophenyl-phenylether[4-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Butyl-benzylphthalate	10	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Carbazole	10	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Chloro--3-methylphenol[4-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Chloro-aniline[4-]	25	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Chloro-naphthalene[2-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Chloro-phenol[2-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Chloro-phenyl-phenyl[4-] Ether	10	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Chrysene	10	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Dibenz(a,h)anthracene	10	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Dibenzofuran	10	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	DiChloro-benzene[1,2-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	DiChloro-benzene[1,3-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	DiChloro-benzene[1,4-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	DiChloro-benzidine[3,3'-]	50	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	DiChloro-phenol[2,4-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Diethylphthalate	10	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Dimethyl Phthalate	10	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Dimethylphenol[2,4-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Di-n-Butyl-phthalate	10	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Dinitro--2-methylphenol[4,6-]	50	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Dinitro-phenol[2,4-]	50	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Dinitro-toluene[2,4-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Dinitro-toluene[2,6-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Di-n-octylphthalate	10	µg/l	U

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Fluoranthene	10	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Fluorene	10	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	HexaChloro-benzene	10	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	HexaChloro-butadiene	10	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	HexaChloro-cyclopentadiene	10	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	HexaChloro-ethane	10	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Indeno(1,2,3-cd)pyrene	10	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Isophorone	10	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Methyl-naphthalene[2-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Methyl-phenol[2-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Methyl-phenol[4-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Naphthalene	10	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Nitroaniline[2-]	50	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Nitroaniline[3-]	50	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Nitroaniline[4-]	50	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Nitrobenzene	10	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Nitrophenol[2-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Nitrophenol[4-]	50	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Nitrosodimethylamine[N-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Nitroso-di-n-propylamine[N-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Nitrosodiphenylamine[N-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Oxybis(1-Chloro-propane)[2,2'-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	PentaChloro-phenol	50	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Phenanthrene	10	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Phenol	10	µg/l	U

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Pyrene	10	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	Pyridine	10	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	TriChloro-benzene [1,2,4-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	TriChloro-phenol[2,4,5-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3020	27-Jun-97	Filtered	WGI	TriChloro-phenol[2,4,6-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Acenaphthene	10	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Acenaphthylene	10	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Aniline	25	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Anthracene	10	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Azobenzene	10	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Benzidine	50	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Benzo(a)-anthracene	10	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Benzo(a)-pyrene	10	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Benzo(b)-fluoranthene	10	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Benzo(g,h,i)-perylene	10	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Benzoic Acid	50	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Benzyl Alcohol	10	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Bis(2-Chloro-ethoxy)methane	10	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Bis(2-Chloro-ethyl)ether	10	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Bis(2-ethylhexyl)phthalate	10	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Bromophenyl-phenylether[4-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Butyl-benzylphthalate	10	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Carbazole	10	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Chloro--3-methylphenol[4-]	10	µg/l	U

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Chloro-aniline[4-]	25	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Chloro-naphthalene[2-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Chloro-phenol[2-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Chloro-phenyl-phenyl[4-] Ether	10	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Chrysene	10	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Dibenz(a,h)anthracene	10	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Dibenzofuran	10	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	DiChloro-benzene[1,2-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	DiChloro-benzene[1,3-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	DiChloro-benzene[1,4-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	DiChloro-benzidine[3,3'-]	50	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	DiChloro-phenol[2,4-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Diethylphthalate	10	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Dimethyl Phthalate	10	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Dimethylphenol[2,4-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Di-n-Butyl-phthalate	10	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Dinitro--2-methylphenol[4,6-]	50	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Dinitro-phenol[2,4-]	50	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Dinitro-toluene[2,4-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Dinitro-toluene[2,6-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Di-n-octylphthalate	10	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Fluoranthene	10	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Fluorene	10	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	HexaChloro-benzene	10	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	HexaChloro-butadiene	10	µg/l	U

Table I-4.0-12 (continued)

Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	HexaChloro-cyclopentadiene	10	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	HexaChloro-ethane	10	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Indeno(1,2,3-cd)pyrene	10	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Isophorone	10	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Methyl-naphthalene[2-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Methyl-phenol[2-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Methyl-phenol[4-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Naphthalene	10	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Nitroaniline[2-]	50	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Nitroaniline[3-]	50	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Nitroaniline[4-]	50	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Nitrobenzene	10	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Nitrophenol[2-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Nitrophenol[4-]	50	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Nitrosodimethylamine[N-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Nitroso-di-n-propylamine[N-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Nitrosodiphenylamine[N-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Oxybis(1-Chloro-propane)[2,2'-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	PentaChloro-phenol	50	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Phenanthrene	10	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Phenol	10	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Pyrene	10	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	Pyridine	10	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	TriChloro-benzene [1,2,4-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	TriChlorophenol[2,4,5-]	10	µg/l	U

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2651	0316-97-3021	27-Jun-97	Unfiltered	WGI	TriChlorophenol[2,4,6-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Acenaphthene	10	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Acenaphthylene	10	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Aniline	20	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Anthracene	10	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Azobenzene	20	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Benzo(a)-anthracene	10	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Benzo(a)-pyrene	10	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Benzo(b)-fluoranthene	10	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Benzo(g,h,i)-perylene	10	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Benzo(k)fluoranthene	10	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Benzoic Acid	50	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Benzyl Alcohol	20	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Bis(2-Chloro-ethoxy)methane	10	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Bis(2-Chloro-ethyl)ether	10	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Bis(2-ethylhexyl)phthalate	10	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Bromophenyl-phenylether[4-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Butyl-benzylphthalate	10	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Chloro--3-methylphenol[4-]	20	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Chloro-aniline[4-]	20	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Chloro-naphthalene[2-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Chloro-phenol[2-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Chloro-phenyl-phenyl[4-] Ether	10	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Chrysene	10	µg/l	U

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Dibenz(a,h)anthracene	10	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Dibenzofuran	10	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	DiChloro-benzene[1,2-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	DiChloro-benzene[1,3-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	DiChloro-benzene[1,4-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	DiChloro-benzidine[3,3'-]	20	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	DiChloro-phenol[2,4-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Diethylphthalate	10	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Dimethyl Phthalate	10	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Dimethylphenol[2,4-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Di-n-Butyl-phthalate	10	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Dinitro--2-methylphenol[4,6-]	50	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Dinitro-phenol[2,4-]	50	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Dinitro-toluene[2,4-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Dinitro-toluene[2,6-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Di-n-octylphthalate	10	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Fluoranthene	10	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Fluorene	10	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	HexaChloro-benzene	10	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	HexaChloro-butadiene	10	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	HexaChloro-cyclopentadiene	10	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	HexaChloro-ethane	10	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Indeno(1,2,3-cd)pyrene	10	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Isophorone	10	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Methyl-naphthalene[2-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Methyl-phenol[2-]	10	µg/l	U

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Methyl-phenol[4-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Naphthalene	10	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Nitroaniline[2-]	50	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Nitroaniline[3-]	50	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Nitroaniline[4-]	20	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Nitrobenzene	10	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Nitrophenol[2-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Nitrophenol[4-]	50	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Nitrosodimethylamine[N-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Nitroso-di-n-propylamine[N-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Nitrosodiphenylamine[N-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Oxybis(1-Chloro-propane)[2,2'-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	PentaChloro-phenol	50	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Phenanthrene	10	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Phenol	10	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	Pyrene	10	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	TriChloro-benzene [1,2,4-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	TriChlorophenol[2,4,5-]	50	µg/l	U
16-021(c)	16-2650	0316-97-3101	19-Sep-97	Filtered	WGI	TriChlorophenol[2,4,6-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Acenaphthene	10	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Acenaphthylene	10	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Aniline	20	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Anthracene	10	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Azobenzene	20	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Benzo(a)-anthracene	10	µg/l	U

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Benzo(a)-pyrene	10	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Benzo(b)-fluoranthene	10	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Benzo(g,h,i)-perylene	10	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Benzo(k)fluoranthene	10	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Benzoic Acid	50	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Benzyl Alcohol	20	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Bis(2-Chloro-ethoxy)methane	10	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Bis(2-Chloro-ethyl)ether	10	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Bis(2-ethylhexyl)phthalate	10	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Bromophenyl-phenylether[4-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Butyl-benzylphthalate	10	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Chloro--3-methylphenol[4-]	20	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Chloro-aniline[4-]	20	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Chloro-naphthalene[2-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Chloro-phenol[2-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Chloro-phenyl-phenyl[4-] Ether	10	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Chrysene	10	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Dibenz(a,h)anthracene	10	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Dibenzofuran	10	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	DiChloro-benzene[1,2-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	DiChloro-benzene[1,3-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	DiChloro-benzene[1,4-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	DiChloro-benzidine[3,3'-]	20	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	DiChloro-phenol[2,4-]	10	µg/l	U

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Diethylphthalate	10	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Dimethyl Phthalate	10	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Dimethylphenol[2,4-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Di-n-Butyl-phthalate	10	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Dinitro--2-methylphenol[4,6-]	50	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Dinitro-phenol[2,4-]	50	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Dinitro-toluene[2,4-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Dinitro-toluene[2,6-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Di-n-octylphthalate	10	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Fluoranthene	10	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Fluorene	10	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	HexaChloro-benzene	10	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	HexaChloro-butadiene	10	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	HexaChloro-cyclopentadiene	10	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	HexaChloro-ethane	10	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Indeno(1,2,3-cd)pyrene	10	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Isophorone	10	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Methyl-naphthalene[2-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Methyl-phenol[2-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Methyl-phenol[4-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Naphthalene	10	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Nitroaniline[2-]	50	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Nitroaniline[3-]	50	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Nitroaniline[4-]	20	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Nitrobenzene	10	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Nitrophenol[2-]	10	µg/l	U

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Nitrophenol[4-]	50	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Nitrosodimethylamine[N-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Nitroso-di-n-propylamine[N-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Nitrosodiphenylamine[N-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Oxybis(1-Chloro-propane)[2,2'-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	PentaChloro-phenol	50	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Phenanthrene	10	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Phenol	10	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	Pyrene	10	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	TriChloro-benzene [1,2,4-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	TriChlorophenol[2,4,5-]	50	µg/l	U
16-021(c)	16-2652	0316-97-3104	19-Sep-97	Unfiltered	WGI	TriChlorophenol[2,4,6-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Acenaphthene	10	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Acenaphthylene	10	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Aniline	20	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Anthracene	10	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Azobenzene	20	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Benzo(a)-anthracene	10	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Benzo(a)-pyrene	10	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Benzo(b)-fluoranthene	10	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Benzo(g,h,i)-perylene	10	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Benzo(k)fluoranthene	10	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Benzoic Acid	50	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Benzyl Alcohol	20	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Bis(2-Chloro-ethoxy)methane	10	µg/l	U

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Bis(2-Chloro-ethyl)ether	10	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Bis(2-ethylhexyl)phthalate	10	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Bromophenyl-phenylether[4-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Butyl-benzylphthalate	10	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Chloro--3-methylphenol[4-]	20	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Chloro-aniline[4-]	20	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Chloro-naphthalene[2-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Chloro-phenol[2-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Chloro-phenyl-phenyl[4-] Ether	10	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Chrysene	10	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Dibenz(a,h)anthracene	10	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Dibenzofuran	10	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	DiChloro-benzene[1,2-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	DiChloro-benzene[1,3-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	DiChloro-benzene[1,4-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	DiChloro-benzidine[3,3'-]	20	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	DiChloro-phenol[2,4-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Diethylphthalate	10	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Dimethyl Phthalate	10	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Dimethylphenol[2,4-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Di-n-Butyl-phthalate	10	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Dinitro--2-methylphenol[4,6-]	50	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Dinitro-phenol[2,4-]	50	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Dinitro-toluene[2,4-]	10	µg/l	U

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Dinitro-toluene[2,6-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Di-n-octylphthalate	10	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Fluoranthene	10	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Fluorene	10	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	HexaChloro-benzene	10	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	HexaChloro-butadiene	10	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	HexaChloro-cyclopentadiene	10	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	HexaChloro-ethane	10	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Indeno(1,2,3-cd)pyrene	10	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Isophorone	10	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Methyl-naphthalene[2-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Methyl-phenol[2-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Methyl-phenol[4-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Naphthalene	10	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Nitroaniline[2-]	50	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Nitroaniline[3-]	50	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Nitroaniline[4-]	20	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Nitrobenzene	10	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Nitrophenol[2-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Nitrophenol[4-]	50	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Nitrosodimethylamine[N-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Nitroso-di-n-propylamine[N-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Nitrosodiphenylamine[N-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Oxybis(1-Chloro-propane)[2,2'-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	PentaChloro-phenol	50	µg/l	U

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Phenanthrene	10	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Phenol	10	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	Pyrene	10	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	TriChloro-benzene [1,2,4-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	TriChlorophenol[2,4,5-]	50	µg/l	U
16-021(c)	16-2652	0316-97-3105	19-Sep-97	Filtered	WGI	TriChlorophenol[2,4,6-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Acenaphthene	10	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Acenaphthylene	10	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Aniline	20	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Anthracene	10	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Azobenzene	20	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Benzo(a)-anthracene	10	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Benzo(a)-pyrene	10	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Benzo(b)-fluoranthene	10	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Benzo(g,h,i)-perylene	10	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Benzo(k)fluoranthene	10	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Benzoic Acid	50	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Benzyl Alcohol	20	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Bis(2-Chloro-ethoxy)methane	10	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Bis(2-Chloro-ethyl)ether	10	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Bis(2-ethylhexyl)phthalate	10	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Bromophenyl-phenylether[4-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Butyl-benzylphthalate	10	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Chloro--3-methylphenol[4-]	20	µg/l	U

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Chloro-aniline[4-]	20	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Chloro-naphthalene[2-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Chloro-phenol[2-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Chloro-phenyl-phenyl[4-] Ether	10	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Chrysene	10	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Dibenz(a,h)anthracene	10	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Dibenzofuran	10	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	DiChloro-benzene[1,2-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	DiChloro-benzene[1,3-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	DiChloro-benzene[1,4-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	DiChloro-benzidine[3,3'-]	20	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	DiChloro-phenol[2,4-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Diethylphthalate	10	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Dimethyl Phthalate	10	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Dimethylphenol[2,4-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Di-n-Butyl-phthalate	10	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Dinitro--2-methylphenol[4,6-]	50	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Dinitro-phenol[2,4-]	50	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Dinitro-toluene[2,4-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Dinitro-toluene[2,6-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Di-n-octylphthalate	10	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Fluoranthene	10	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Fluorene	10	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	HexaChloro-benzene	10	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	HexaChloro-butadiene	10	µg/l	U

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	HexaChloro-cyclopentadiene	10	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	HexaChloro-ethane	10	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Indeno(1,2,3-cd)pyrene	10	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Isophorone	10	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Methyl-naphthalene[2-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Methyl-phenol[2-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Methyl-phenol[4-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Naphthalene	10	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Nitroaniline[2-]	50	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Nitroaniline[3-]	50	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Nitroaniline[4-]	20	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Nitrobenzene	10	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Nitrophenol[2-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Nitrophenol[4-]	50	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Nitrosodimethylamine[N-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Nitroso-di-n-propylamine[N-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Nitrosodiphenylamine[N-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Oxybis(1-Chloro-propane)[2,2'-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	PentaChloro-phenol	50	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Phenanthrene	10	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Phenol	10	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	Pyrene	10	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	TriChloro-benzene [1,2,4-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	TriChloro-phenol[2,4,5-]	50	µg/l	U
16-021(c)	16-2651	0316-97-3108	22-Sep-97	Unfiltered	WGI	TriChloro-phenol[2,4,6-]	10	µg/l	U

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Acenaphthene	10	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Acenaphthylene	10	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Aniline	20	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Anthracene	10	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Azobenzene	20	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Benzo(a)-anthracene	10	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Benzo(a)-pyrene	10	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Benzo(b)-fluoranthene	10	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Benzo(g,h,i)-perylene	10	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Benzo(k)fluoranthene	10	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Benzoic Acid	50	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Benzyl Alcohol	20	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Bis(2-Chloro-ethoxy)methane	10	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Bis(2-Chloro-ethyl)ether	10	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Bis(2-ethylhexyl)phthalate	10	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Bromophenyl-phenylether[4-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Butyl-benzylphthalate	10	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Chloro--3-methylphenol[4-]	20	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Chloro-aniline[4-]	20	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Chloro-naphthalene[2-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Chloro-phenol[2-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Chloro-phenyl-phenyl[4-] Ether	10	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Chrysene	10	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Dibenz(a,h)anthracene	10	µg/l	U

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Dibenzofuran	10	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	DiChloro-benzene[1,2-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	DiChloro-benzene[1,3-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	DiChloro-benzene[1,4-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	DiChloro-benzidine[3,3'-]	20	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	DiChloro-phenol[2,4-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Diethylphthalate	10	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Dimethyl Phthalate	10	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Dimethylphenol[2,4-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Di-n-Butyl-phthalate	10	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Dinitro--2-methylphenol[4,6-]	50	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Dinitro-phenol[2,4-]	50	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Dinitro-toluene[2,4-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Dinitro-toluene[2,6-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Di-n-octylphthalate	10	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Fluoranthene	10	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Fluorene	10	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	HexaChloro-benzene	10	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	HexaChloro-butadiene	10	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	HexaChloro-cyclopentadiene	10	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	HexaChloro-ethane	10	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Indeno(1,2,3-cd)pyrene	10	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Isophorone	10	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Methyl-naphthalene[2-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Methyl-phenol[2-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Methyl-phenol[4-]	10	µg/l	U

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Naphthalene	10	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Nitroaniline[2-]	50	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Nitroaniline[3-]	50	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Nitroaniline[4-]	20	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Nitrobenzene	10	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Nitrophenol[2-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Nitrophenol[4-]	50	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Nitrosodimethylamine[N-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Nitroso-di-n-propylamine[N-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Nitrosodiphenylamine[N-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Oxybis(1-Chloro-propane)[2,2'-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	PentaChloro-phenol	50	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Phenanthrene	10	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Phenol	10	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	Pyrene	10	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	TriChloro-benzene [1,2,4-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	TriChloro-phenol[2,4,5-]	50	µg/l	U
16-021(c)	16-2651	0316-97-3109	22-Sep-97	Filtered	WGI	TriChloro-phenol[2,4,6-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Acenaphthene	10	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Acenaphthylene	10	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Aniline	20	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Anthracene	10	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Azobenzene	20	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Benzo(a)-anthracene	10	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Benzo(a)-pyrene	10	µg/l	U

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Benzo(b)-fluoranthene	10	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Benzo(g,h,i)-perylene	10	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Benzo(k)fluoranthene	10	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Benzoic Acid	50	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Benzyl Alcohol	20	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Bis(2-Chloro-ethoxy)methane	10	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Bis(2-Chloro-ethyl)ether	10	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Bis(2-ethylhexyl)phthalate	10	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Bromophenyl-phenylether[4-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Butyl-benzylphthalate	10	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Chloro--3-methylphenol[4-]	20	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Chloro-aniline[4-]	20	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Chloro-naphthalene[2-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Chloro-phenol[2-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Chloro-phenyl-phenyl[4-] Ether	10	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Chrysene	10	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Dibenz(a,h)anthracene	10	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Dibenzofuran	10	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	DiChloro-benzene[1,2-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	DiChloro-benzene[1,3-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	DiChloro-benzene[1,4-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	DiChloro-benzidine[3,3'-]	20	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	DiChloro-phenol[2,4-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Diethylphthalate	10	µg/l	U

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Dimethyl Phthalate	10	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Dimethylphenol[2,4-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Di-n-Butyl-phthalate	10	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Dinitro--2-methylphenol[4,6-]	50	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Dinitro-phenol[2,4-]	50	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Dinitro-toluene[2,4-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Dinitro-toluene[2,6-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Di-n-octylphthalate	10	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Fluoranthene	10	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Fluorene	10	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	HexaChloro-benzene	10	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	HexaChloro-butadiene	10	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	HexaChloro-cyclopentadiene	10	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	HexaChloro-ethane	10	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Indeno(1,2,3-cd)pyrene	10	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Isophorone	10	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Methyl-naphthalene[2-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Methyl-phenol[2-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Methyl-phenol[4-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Naphthalene	10	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Nitroaniline[2-]	50	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Nitroaniline[3-]	50	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Nitroaniline[4-]	20	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Nitrobenzene	10	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Nitrophenol[2-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Nitrophenol[4-]	50	µg/l	U

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Nitrosodimethylamine[N-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Nitroso-di-n-propylamine[N-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Nitrosodiphenylamine[N-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Oxybis(1-Chloro-propane)[2,2'-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	PentaChloro-phenol	50	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Phenanthrene	10	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Phenol	10	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	Pyrene	10	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	TriChloro-benzene [1,2,4-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	TriChloro-phenol[2,4,5-]	50	µg/l	U
16-021(c)	16-2650	0316-97-3111	19-Sep-97	Unfiltered	WGI	TriChloro-phenol[2,4,6-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Acenaphthene	10	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Acenaphthylene	10	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Aniline	20	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Anthracene	10	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Azobenzene	20	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Benzo(a)-anthracene	10	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Benzo(a)-pyrene	10	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Benzo(b)-fluoranthene	10	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Benzo(g,h,i)-perylene	10	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Benzo(k)fluoranthene	10	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Benzoic Acid	50	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Benzyl Alcohol	20	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Bis(2-Chloro-ethoxy)methane	10	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Bis(2-Chloro-ethyl)ether	10	µg/l	U

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Bis(2-ethylhexyl)phthalate	10	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Bromophenyl-phenylether[4-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Butyl-benzylphthalate	10	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Chloro--3-methylphenol[4-]	20	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Chloro-aniline[4-]	20	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Chloro-naphthalene[2-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Chloro-phenol[2-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Chloro-phenyl-phenyl[4-] Ether	10	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Chrysene	10	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Dibenz(a,h)anthracene	10	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Dibenzofuran	10	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	DiChloro-benzene[1,2-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	DiChloro-benzene[1,3-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	DiChloro-benzene[1,4-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	DiChloro-benzidine[3,3'-]	20	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	DiChloro-phenol[2,4-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Diethylphthalate	10	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Dimethyl Phthalate	10	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Dimethylphenol[2,4-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Di-n-Butyl-phthalate	10	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Dinitro--2-methylphenol[4,6-]	50	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Dinitro-phenol[2,4-]	50	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Dinitro-toluene[2,4-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Dinitro-toluene[2,6-]	10	µg/l	U

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Di-n-octylphthalate	10	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Fluoranthene	10	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Fluorene	10	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	HexaChloro-benzene	10	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	HexaChloro-butadiene	10	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	HexaChloro-cyclopentadiene	10	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	HexaChloro-ethane	10	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Indeno(1,2,3-cd)pyrene	10	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Isophorone	10	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Methyl-naphthalene[2-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Methyl-phenol[2-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Methyl-phenol[4-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Naphthalene	10	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Nitroaniline[2-]	50	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Nitroaniline[3-]	50	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Nitroaniline[4-]	20	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Nitrobenzene	10	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Nitrophenol[2-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Nitrophenol[4-]	50	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Nitrosodimethylamine[N-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Nitroso-di-n-propylamine[N-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Nitrosodiphenylamine[N-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Oxybis(1-Chloro-propane)[2,2'-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	PentaChloro-phenol	50	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Phenanthrene	10	µg/l	U

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Phenol	10	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	Pyrene	10	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	TriChloro-benzene [1,2,4-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	TriChloro-phenol[2,4,5-]	50	µg/l	U
16-021(c)	16-2650	0316-97-3185	19-Dec-97	Filtered	WGI	TriChloro-phenol[2,4,6-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Acenaphthene	10	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Acenaphthylene	10	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Aniline	20	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Anthracene	10	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Azobenzene	20	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Benzo(a)-anthracene	10	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Benzo(a)-pyrene	10	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Benzo(b)-fluoranthene	10	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Benzo(g,h,i)-perylene	10	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Benzo(k)fluoranthene	10	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Benzoic Acid	50	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Benzyl Alcohol	20	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Bis(2-Chloro-ethoxy)methane	10	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Bis(2-Chloro-ethyl)ether	10	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Bis(2-ethylhexyl)phthalate	10	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Bromophenyl-phenylether[4-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Butyl-benzylphthalate	10	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Chloro--3-methylphenol[4-]	20	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Chloro-aniline[4-]	20	µg/l	U

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Chloro-naphthalene[2-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Chloro-phenol[2-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Chloro-phenyl-phenyl[4-] Ether	10	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Chrysene	10	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Dibenz(a,h)anthracene	10	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Dibenzofuran	10	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	DiChloro-benzene[1,2-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	DiChloro-benzene[1,3-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	DiChloro-benzene[1,4-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	DiChloro-benzidine[3,3'-]	20	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	DiChloro-phenol[2,4-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Diethylphthalate	10	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Dimethyl Phthalate	10	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Dimethylphenol[2,4-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Di-n-Butyl-phthalate	10	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Dinitro--2-methylphenol[4,6-]	50	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Dinitro-phenol[2,4-]	50	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Dinitro-toluene[2,4-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Dinitro-toluene[2,6-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Di-n-octylphthalate	10	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Fluoranthene	10	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Fluorene	10	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	HexaChloro-benzene	10	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	HexaChloro-butadiene	10	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	HexaChloro-cyclopentadiene	10	µg/l	U

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	HexaChloro-ethane	10	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Indeno(1,2,3-cd)pyrene	10	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Isophorone	10	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Methyl-naphthalene[2-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Methyl-phenol[2-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Methyl-phenol[4-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Naphthalene	10	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Nitroaniline[2-]	50	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Nitroaniline[3-]	50	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Nitroaniline[4-]	20	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Nitrobenzene	10	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Nitrophenol[2-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Nitrophenol[4-]	50	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Nitrosodimethylamine[N-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Nitroso-di-n-propylamine[N-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Nitrosodiphenylamine[N-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Oxybis(1-Chloro-propane)[2,2'-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	PentaChloro-phenol	50	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Phenanthrene	10	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Phenol	10	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	Pyrene	10	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	TriChloro-benzene [1,2,4-]	10	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	TriChlorophenol[2,4,5-]	50	µg/l	U
16-021(c)	16-2650	0316-97-3186	19-Dec-97	Unfiltered	WGI	TriChlorophenol[2,4,6-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Acenaphthene	10	µg/l	U

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Acenaphthylene	10	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Aniline	20	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Anthracene	10	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Azobenzene	20	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Benzo(a)-anthracene	10	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Benzo(a)-pyrene	10	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Benzo(b)-fluoranthene	10	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Benzo(g,h,i)-perylene	10	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Benzo(k)fluoranthene	10	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Benzoic Acid	50	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Benzyl Alcohol	20	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Bis(2-Chloro-ethoxy)methane	10	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Bis(2-Chloro-ethyl)ether	10	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Bis(2-ethylhexyl)phthalate	10	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Bromophenyl-phenylether[4-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Butyl-benzylphthalate	10	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Chloro--3-methylphenol[4-]	20	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Chloro-aniline[4-]	20	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Chloro-naphthalene[2-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Chloro-phenol[2-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Chloro-phenyl-phenyl[4-] Ether	10	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Chrysene	10	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Dibenz(a,h)anthracene	10	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Dibenzofuran	10	µg/l	U

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	DiChloro-benzene[1,2-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	DiChloro-benzene[1,3-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	DiChloro-benzene[1,4-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	DiChloro-benzidine[3,3'-]	20	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	DiChloro-phenol[2,4-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Diethylphthalate	10	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Dimethyl Phthalate	10	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Dimethylphenol[2,4-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Di-n-Butyl-phthalate	10	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Dinitro--2-methylphenol[4,6-]	50	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Dinitro-phenol[2,4-]	50	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Dinitro-toluene[2,4-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Dinitro-toluene[2,6-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Di-n-octylphthalate	10	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Fluoranthene	10	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Fluorene	10	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	HexaChloro-benzene	10	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	HexaChloro-butadiene	10	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	HexaChloro-cyclopentadiene	10	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	HexaChloro-ethane	10	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Indeno(1,2,3-cd)pyrene	10	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Isophorone	10	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Methyl-naphthalene[2-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Methyl-phenol[2-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Methyl-phenol[4-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Naphthalene	10	µg/l	U

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Nitroaniline[2-]	50	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Nitroaniline[3-]	50	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Nitroaniline[4-]	20	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Nitrobenzene	10	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Nitrophenol[2-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Nitrophenol[4-]	50	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Nitrosodimethylamine[N-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Nitroso-di-n-propylamine[N-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Nitrosodiphenylamine[N-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Oxybis(1-Chloro-propane)[2,2'-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	PentaChloro-phenol	50	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Phenanthrene	10	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Phenol	10	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	Pyrene	10	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	TriChloro-benzene [1,2,4-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	TriChloro-phenol[2,4,5-]	50	µg/l	U
16-021(c)	16-2651	0316-97-3187	19-Dec-97	Filtered	WGI	TriChloro-phenol[2,4,6-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Acenaphthene	10	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Acenaphthylene	10	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Aniline	20	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Anthracene	10	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Azobenzene	20	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Benzo(a)-anthracene	10	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Benzo(a)-pyrene	10	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Benzo(b)-fluoranthene	10	µg/l	U

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Benzo(g,h,i)-perylene	10	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Benzo(k)fluoranthene	10	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Benzoic Acid	50	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Benzyl Alcohol	20	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Bis(2-Chloro-ethoxy)methane	10	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Bis(2-Chloro-ethyl)ether	10	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Bis(2-ethylhexyl)phthalate	10	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Bromophenyl-phenylether[4-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Butyl-benzylphthalate	10	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Chloro--3-methylphenol[4-]	20	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Chloro-aniline[4-]	20	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Chloro-naphthalene[2-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Chloro-phenol[2-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Chloro-phenyl-phenyl[4-] Ether	10	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Chrysene	10	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Dibenz(a,h)anthracene	10	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Dibenzofuran	10	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	DiChloro-benzene[1,2-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	DiChloro-benzene[1,3-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	DiChloro-benzene[1,4-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	DiChloro-benzidine[3,3'-]	20	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	DiChloro-phenol[2,4-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Diethylphthalate	10	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Dimethyl Phthalate	10	µg/l	U

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Dimethylphenol[2,4-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Di-n-Butyl-phthalate	10	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Dinitro--2-methylphenol[4,6-]	50	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Dinitro-phenol[2,4-]	50	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Dinitro-toluene[2,4-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Dinitro-toluene[2,6-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Di-n-octylphthalate	10	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Fluoranthene	10	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Fluorene	10	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	HexaChloro-benzene	10	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	HexaChloro-butadiene	10	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	HexaChloro-cyclopentadiene	10	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	HexaChloro-ethane	10	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Indeno(1,2,3-cd)pyrene	10	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Isophorone	10	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Methyl-naphthalene[2-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Methyl-phenol[2-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Methyl-phenol[4-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Naphthalene	10	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Nitroaniline[2-]	50	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Nitroaniline[3-]	50	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Nitroaniline[4-]	20	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Nitrobenzene	10	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Nitrophenol[2-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Nitrophenol[4-]	50	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Nitrosodimethylamine[N-]	10	µg/l	U

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Nitroso-di-n-propylamine[N-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Nitrosodiphenylamine[N-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Oxybis(1-Chloro-propane)[2,2'-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	PentaChloro-phenol	50	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Phenanthrene	10	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Phenol	10	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	Pyrene	10	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	TriChloro-benzene [1,2,4-]	10	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	TriChlorophenol[2,4,5-]	50	µg/l	U
16-021(c)	16-2651	0316-97-3188	19-Dec-97	Unfiltered	WGI	TriChlorophenol[2,4,6-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Acenaphthene	10	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Acenaphthylene	10	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Aniline	20	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Anthracene	10	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Azobenzene	20	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Benzo(a)-anthracene	10	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Benzo(a)-pyrene	10	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Benzo(b)-fluoranthene	10	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Benzo(g,h,i)-perylene	10	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Benzo(k)fluoranthene	10	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Benzoic Acid	50	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Benzyl Alcohol	20	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Bis(2-Chloro-ethoxy)methane	10	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Bis(2-Chloro-ethyl)ether	10	µg/l	U

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Bis(2-ethylhexyl)phthalate	10	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Bromophenyl-phenylether[4-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Butyl-benzylphthalate	10	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Chloro--3-methylphenol[4-]	20	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Chloro-aniline[4-]	20	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Chloro-naphthalene[2-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Chloro-phenol[2-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Chloro-phenyl-phenyl[4-] Ether	10	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Chrysene	10	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Dibenz(a,h)anthracene	10	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Dibenzofuran	10	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	DiChloro-benzene[1,2-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	DiChloro-benzene[1,3-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	DiChloro-benzene[1,4-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	DiChloro-benzidine[3,3'-]	20	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	DiChloro-phenol[2,4-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Diethylphthalate	10	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Dimethyl Phthalate	10	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Dimethylphenol[2,4-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Di-n-Butyl-phthalate	10	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Dinitro--2-methylphenol[4,6-]	50	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Dinitro-phenol[2,4-]	50	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Dinitro-toluene[2,4-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Dinitro-toluene[2,6-]	10	µg/l	U

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Di-n-octylphthalate	10	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Fluoranthene	10	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Fluorene	10	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	HexaChloro-benzene	10	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	HexaChloro-butadiene	10	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	HexaChloro-cyclopentadiene	10	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	HexaChloro-ethane	10	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Indeno(1,2,3-cd)pyrene	10	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Isophorone	10	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Methyl-naphthalene[2-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Methyl-phenol[2-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Methyl-phenol[4-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Naphthalene	10	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Nitroaniline[2-]	50	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Nitroaniline[3-]	50	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Nitroaniline[4-]	20	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Nitrobenzene	10	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Nitrophenol[2-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Nitrophenol[4-]	50	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Nitrosodimethylamine[N-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Nitroso-di-n-propylamine[N-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Nitrosodiphenylamine[N-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Oxybis(1-Chloro-propane)[2,2'-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	PentaChloro-phenol	50	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Phenanthrene	10	µg/l	U

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Phenol	10	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	Pyrene	10	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	TriChloro-benzene [1,2,4-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	TriChlorophenol[2,4,5-]	50	µg/l	U
16-021(c)	16-2652	0316-97-3189	19-Dec-97	Filtered	WGI	TriChlorophenol[2,4,6-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Acenaphthene	10	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Acenaphthylene	10	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Aniline	20	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Anthracene	10	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Azobenzene	20	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Benzo(a)-anthracene	10	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Benzo(a)-pyrene	10	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Benzo(b)-fluoranthene	10	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Benzo(g,h,i)-perylene	10	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Benzo(k)fluoranthene	10	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Benzoic Acid	50	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Benzyl Alcohol	20	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Bis(2-Chloro-ethoxy)methane	10	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Bis(2-Chloro-ethyl)ether	10	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Bis(2-ethylhexyl)phthalate	10	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Bromophenyl-phenylether[4-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Butyl-benzylphthalate	10	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Chloro--3-methylphenol[4-]	20	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Chloro-aniline[4-]	20	µg/l	U

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Chloro-naphthalene[2-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Chloro-phenol[2-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Chloro-phenyl-phenyl[4-] Ether	10	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Chrysene	10	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Dibenz(a,h)anthracene	10	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Dibenzofuran	10	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	DiChloro-benzene[1,2-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	DiChloro-benzene[1,3-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	DiChloro-benzene[1,4-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	DiChloro-benzidine[3,3'-]	20	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	DiChloro-phenol[2,4-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Diethylphthalate	10	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Dimethyl Phthalate	10	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Dimethylphenol[2,4-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Di-n-Butyl-phthalate	10	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Dinitro--2-methylphenol[4,6-]	50	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Dinitro-phenol[2,4-]	50	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Dinitro-toluene[2,4-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Dinitro-toluene[2,6-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Di-n-octylphthalate	10	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Fluoranthene	10	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Fluorene	10	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	HexaChloro-benzene	10	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	HexaChloro-butadiene	10	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	HexaChloro-cyclopentadiene	10	µg/l	U

Table I-4.0-12 (continued)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	HexaChloro-ethane	10	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Indeno(1,2,3-cd)pyrene	10	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Isophorone	10	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Methyl-naphthalene[2-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Methyl-phenol[2-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Methyl-phenol[4-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Naphthalene	10	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Nitroaniline[2-]	50	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Nitroaniline[3-]	50	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Nitroaniline[4-]	20	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Nitrobenzene	10	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Nitrophenol[2-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Nitrophenol[4-]	50	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Nitrosodimethylamine[N-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Nitroso-di-n-propylamine[N-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Nitrosodiphenylamine[N-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Oxybis(1-Chloro-propane)[2,2'-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	PentaChloro-phenol	50	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Phenanthrene	10	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Phenol	10	µg/l	U

Table I-4.0-12 (completed)
Semivolatile Chemicals in Springs Samples

PRS Number	Location ID	Sample ID	Collection Date	Field Prep	Sample Medium	Analyte Name	Sample Results	Reporting Units	Focus Validation Qualifier
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	Pyrene	10	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	TriChloro-benzene [1,2,4-]	10	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	TriChloro-phenol[2,4,5-]	50	µg/l	U
16-021(c)	16-2652	0316-97-3190	19-Dec-97	Unfiltered	WGI	TriChloro-phenol[2,4,6-]	10	µg/l	U

Table I-4.0-13
Inorganic Chemicals in Historical Samples

Springs/Seeps
Major

Sample id	Description	Date	Boron (ppm)	Bromine (ppm)	Calcium (ppm)	Chlorine (ppm)	Fluorine (ppm)	Hydrogen carbonate (ppm)	Lithium (ppm)	Magnesium (ppm)	Potassium (ppm)	Sodium (ppm)	Silicate calc (ppm)	Sulfate (ppm)	Strontium (ppm)	Total dissolved solvents (ppm)	Cation sum	Anion Sum
PP94-50	Burning Ground Spring	4/15/94	0.01	0.08	18.7	21.8	0.2	87.4	<0.01	4.86	3.3	21.4	49.86	8.31	0.14	220.5	2.461	2.279
NMED	Burning Ground Spring	8/12/94	<0.1	NAa	20	15	0.2	92	NA	4.9	5	19	NCb	10	0.1	NC	NC	NC
NMED	Burning Ground Spring	3/17/95	<0.01	<0.4	14	19	<0.5	85	<0.01	4.5	3	25	NC	30	<0.01	180	NC	NC
SSite96-5	Burning Ground Spring	3/01/96	0.021	0.09	17.5	16.6	0.16	104	<0.01	5.03	3.33	25.4	47.72	9.84	0.11	206.8	0.121	4.851
SSite96-17	Burning Ground Spring	4/10/96	0.021	0.07	16.4	14.3	0.14	100	<0.01	4.71	3.26	24	46.44	9.02	0.11	223.8	2.396	2.313
NMED	Martin Spring	5/12/95	1.4	<0.5	24	19	<0.5	104	<0.01	6	3	22	NC	20	0.12	200	NC	NC
PP95-132	Martin Spring	7/21/95	1.58	0.13	24.6	20.2	0.61	122	0.01	5.71	3.31	30.9	47.08	17.9	0.13	290.2	3.164	3.298
SSite96-4	Martin Spring	3/1/96	1.81	0.16	28.1	20.6	0.7	130	0.01	6.45	2.89	34.1	51.36	20.7	0.14	275.3	0.552	6.047
SSite96-15	Martin Spring	4/10/96	1.81	0.16	28.1	20.3	0.67	137	0.01	6.47	2.85	36.4	52	21	0.16	325.9	3.618	3.675
PP94-74	SWSC Spring	8/12/94	0.026	0.09	18.4	17.3	0.18	92.9	<0.01	4.97	3.04	20.2	45.37	10.2	0.13	219	2.318	2.322
NMED	SWSC Spring	8/12/94	<0.1	NA	18	15	0.2	90	NA	5.4	5	19	NC	10	0.1	NC	NC	NC
NMED	SWSC Spring	3/17/95	<0.01	<0.4	16	19	<0.5	80	<0.01	4.8	3	24	NC	31	<0.01	174	NC	NC
SSite96-18	SWSC Spring	4/10/96	0.029	0.09	16.3	14.3	0.13	100	<0.01	4.83	3.26	24.8	46.44	9.18	0.11	225.2	2.419	2.324
SSite96-6	SWSC Spring	3/1/96	0.033	0.1	18.2	16.8	0.16	104	<0.01	5.19	3.38	25.4	44.94	10.1	0.12	206.6	0.132	4.851

Table I-4.0-13
Inorganic Chemicals in Historical Samples

Springs/Seeps

Minor

Sample id	Description	Date	Silver (ppm)	Aluminum (ppm)	Arsenic (ppm)	Barium (ppm)	Cadmium (ppm)	Cobalt (ppm)	Chromium (ppm)
PP94-50	Burning Ground Spring	4/15/94	<0.0005	0.75	0.0006	0.29	0.0003	<0.002	<0.002
NMED	Burning Ground Spring	8/12/94	<0.1	0.4	0.0005	0.3	<0.001	<0.001	0.002
NMED	Burning Ground Spring	3/17/95	<0.01	0.4	<0.005	0.3	<0.005	<0.01	<0.01
SSite96-5	Burning Ground Spring	3/01/96	0.0004	0.55	0.0035	0.23	<0.001	<0.002	<0.002
SSite96-17	Burning Ground Spring	4/10/96	<0.0002	0.41	0.0009	0.21	<0.0002	<0.002	<0.002
NMED	Martin Spring	5/12/95	<0.01	<0.2	<0.01	0.2	<0.005	<0.01	<0.01
PP95-132	Martin Spring	7/21/95	<0.0005	0.16	0.0013	0.17	<0.0002	<0.002	<0.002
SSite96-4	Martin Spring	3/01/96	<0.0002	0.08	0.0019	0.19	<0.001	<0.002	<0.002
SSite96-15	Martin Spring	4/10/96	<0.0002	0.16	0.0018	0.19	<0.0002	<0.002	0.002
PP94-74	SWSC Spring	8/12/94	<0.0005	0.09	<0.0005	0.32	0.0006	<0.002	<0.002
NMED	SWSC Spring	8/12/94	<0.1	0.3	0.001	0.3	<0.001	<0.05	<0.001
NMED	SWSC Spring	3/17/95	<0.01	0.9	<0.005	0.3	<0.005	<0.01	<0.01
			(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
SSite96-18	SWSC Spring	4/10/96	<0.0002	0.29	0.0016	0.27	<0.0002	<0.002	<0.002
SSite96-6	SWSC Spring	3/01/96	0.0003	0.52	0.0016	0.28	<0.001	<0.002	<0.002

Table I-4.0-13
Inorganic Chemicals in Historical Samples

Springs/Seeps

Minor

Sample id	Description	Date	Cesium (ppm)	Copper (ppm)	Iron (ppm)	Mercury (ppm)	Iodine (ppm)	Manganese (ppm)	Molybdenum (ppm)	Ammonium (ppm)
PP94-50	Burning Ground Spring	4/15/94	<0.002	0.004	0.31	0.0002	<0.01	<0.01	<0.002	0.1
NMED	Burning Ground Spring	8/12/94	NAa	<0.01	0.3	<0.0005	NA	<0.05	<0.001	NA
NMED	Burning Ground Spring	3/17/95	NA	<0.01	0.1	<0.0002	NA	<0.01	<0.01	NA
SSite96-5	Burning Ground Spring	3/01/96	<0.002	0.004	0.22	0.0002	<0.01	<0.01	0.002	0.05
SSite96-17	Burning Ground Spring	4/10/96	0.003	<0.002	0.16	<0.0002	<0.01	<0.01	0.003	0.05
NMED	Martin Spring	5/12/95	NA	<0.01	<0.1	<0.003	NA	<0.01	<0.01	NA
PP95-132	Martin Spring	7/21/95	<0.002	<0.002	0.06	<0.0002	<0.01	<0.01	0.007	0.19
SSite96-4	Martin Spring	3/01/96	<0.002	0.005	0.04	0.0006	0.04	<0.01	0.009	0.1
SSite96-15	Martin Spring	4/10/96	0.002	<0.002	0.01	<0.0002	0.03	<0.01	0.01	0.03
PP94-74	SWSC Spring	8/12/94	<0.002	0.018	0.07	<0.0002	<0.01	0.06	<0.002	0.15
NMED	SWSC Spring	8/12/94	NA	<0.01	0.2	<0.0005	NA	<0.001	<0.1	NA
NMED	SWSC Spring	3/17/95	NA	<0.01	0.4	<0.0002	NA	<0.01	<0.01	NA
SSite96-18	SWSC Spring	4/10/96	0.002	<0.002	0.1	<0.0002	<0.01	<0.01	0.003	0.04
SSite96-6	SWSC Spring	3/01/96	<0.002	0.003	0.22	<0.0002	<0.01	<0.01	0.002	0.07

Table –4.0-13
Inorganic Chemicals in Historical Samples

Springs/Seeps

Minor

Sample id	Description	Date	Nickel (ppm)	Nitrite (ppm)	Nitrate (ppm)	Lead (ppm)	Phosphate (ppm)	Rubidium (ppm)	Antimony (ppm)	Selenium (ppm)
PP94-50	Burning Ground Spring	4/15/94	0.005	<0.02	2.91	0.003	<0.05	0.005	<0.0002	<0.0002
NMED	Burning Ground Spring	8/12/94	<0.1	NA	1.1	<0.001	NA	NA	NA	<0.005
NMED	Burning Ground Spring	3/17/95	<0.02	NA	NA	<0.003	NA	NA	<0.06	<0.005
SSite96-5	Burning Ground Spring	3/01/96	<0.002	<0.02	3.91	<0.002	0.44	0.005	<0.0002	<0.0002
SSite96-17	Burning Ground Spring	4/10/96	0.002	<0.01	4.08	<0.002	0.42	0.006	<0.0001	<0.0001
NMED	Martin Spring	5/12/95	<0.02	NA	NA	<0.003	NA	NA	<0.02	<0.005
PP95-132	Martin Spring	7/21/95	<0.002	0.04	15.2	<0.002	0.21	0.003	<0.0002	<0.0002
SSite96-4	Martin Spring	3/01/96	0.003	<0.02	18.3	<0.002	0.28	0.002	<0.0002	<0.0002
SSite96-15	Martin Spring	4/10/96	<0.002	<0.01	18.3	<0.002	0.21	0.004	0.0001	<0.0001
PP94-74	SWSC Spring	8/12/94	0.003	<0.01	5.32	<0.002	0.09	0.002	<0.0002	<0.0002
NMED	SWSC Spring	8/12/94	<0.1	NA	1	<0.001	NA	NA	NA	<0.005
NMED	SWSC Spring	3/17/95	<0.02	NA	NA	<0.003	NA	NA	<0.06	<0.005
SSite96-18	SWSC Spring	4/10/96	<0.002	<0.01	4.6	<0.002	0.41	0.005	<0.0001	<0.0001
SSite96-6	SWSC Spring	3/01/96	0.004	0.07	4.31	<0.002	0.33	0.006	<0.0002	<0.0002

Table I-4.0-13
Inorganic Chemicals in Historical Samples

Springs/Seeps

Minor

Sample id	Description	Date	Thiosulfate (ppm)	Zinc (ppm)
PP94-50	Burning Ground Spring	4/15/94	<0.01	0.01
NMED	Burning Ground Spring	8/12/94	NA	<0.1
NMED	Burning Ground Spring	3/17/95	NA	<0.02
SSite96-5	Burning Ground Spring	3/01/96	<0.01	0.01
SSite96-17	Burning Ground Spring	4/10/96	<0.01	<0.01
NMED	Martin Spring	5/12/95	NA	<0.02
PP95-132	Martin Spring	7/21/95	<0.01	0.01
SSite96-4	Martin Spring	3/01/96	<0.01	0.01
SSite96-15	Martin Spring	4/10/96	<0.01	<0.01
PP94-74	SWSC Spring	8/12/94	<0.01	0.1
NMED	SWSC Spring	8/12/94	NA	0.02
NMED	SWSC Spring	3/17/95	NA	0.04
SSite96-18	SWSC Spring	4/10/96	<0.01	<0.01
SSite96-6	SWSC Spring	3/01/96	<0.01	0.01

Table I-4.0-14
High Explosive Chemicals in Historical Samples

Sample Id	Description	Date	A-DNT(ppm)	HMX(ppm)	PETN(ppm)	RDX(ppm)	TNT(ppm)
Springs/Seeps							
SAL[a]	N/A[b]	N/A	NC[c]	1.8	0.7	0.00061	0.0022
PP94-50	Burning Ground Spring	4/15/94	NA[d]	<0.02	<0.05	<0.02	<0.02
NMED	Burning Ground Spring	8/12/94	NA	NA	NA	NA	NA
NMED	Burning Ground Spring	3/17/95	NA	NA	NA	NA	NA
SSite96-5	Burning Ground Spring	3/1/96	NA	0.04	<0.05	0.01	<0.01
SSite96-17	Burning Ground Spring	4/10/96	NA	<0.02	<0.05	<0.01	<0.01
NMED	Martin Spring	5/12/95	0.0033	0.011	NA	0.1	ND[e]
PP95-132	Martin Spring	7/21/95	NA	0.05	<0.05	0.11	<0.02
SSite96-4	Martin Spring	3/1/96	NA	0.03	<0.05	0.11	<0.01
SSite96-15	Martin Spring	4/10/96	NA	0.02	<0.05	0.12	<0.01
PP94-74	SWSC Spring	8/12/94	NA	<0.02	<0.05	<0.02	<0.02
NMED	SWSC Spring	8/12/94	NA	NA	NA	NA	NA
NMED	SWSC Spring	5/12/95	0.0023	0.0055	NA	0.083	ND
SSite96-18	SWSC Spring	4/10/96	NA	<0.02	<0.05	<0.01	<0.01
SSite96-6	SWSC Spring	3/1/96	NA	0.03	<0.05	0.02	<0.01

[a] Screening action level.

[b] N/A= Not applicable.

[c] NC=Not calculated.

[d] NA=Not analyzed.

[e] ND=Not detected.

Table I-4.0-15
Volatile Chemicals and Historical Samples

Sample Id	Description	Date	Cis-1,2-diChloro-propene (ppm)	TetraChloro-ethene (ppm)	TriChloro-ethene (ppm)
Springs/Seeps					
NMED	Burning Ground Spring	3/17/95	ND[a]	0.0028	0.0026
NMED	Burning Ground Spring	5/12/95	ND	0.0032	0.0034
NMED	Martin Spring	5/12/95	ND	ND	0.0009
NMED	SWSC Spring	3/17/95	ND	0.0023	0.0022
NMED	SWSC Spring	5/12/95	ND	0.0022	0.0024
NMED	Fish ladder Seep	6/2/95	ND	ND	0.0003
NMED	Peter Seep	6/2/95	0.021 D(5)	0.015	0.0031

[a] Not detected.

Table I-4.0-16

Tritium and Stable Isotopes in Historical Samples

Sample ID	Description	Date	∂D (‰)	∂18O (‰)	Tritium Units
Springs/Seeps					
SSite96-5	Burning Ground Spring	3/01/96	NAa	NA	33.5
SSite96-17	Burning Ground Spring	4/10/96	79	11.8	NA
SSite96-27	Burning Ground Spring	7/12/96	71	11.1	NA
PP95-132	Martin Spring	7/21/95	73	11.2	32.9
SSite96-4	Martin Spring	3/01/96	NA	NA	0.2
SSite96-15	Martin Spring	4/10/96	73	11.2	NA
SSite96-23	Martin Spring	7/12/96	66	9.9	NA
SSite96-6	SWSC Spring	3/01/96	NA	NA	35.7
SSite96-18	SWSC Spring	4/10/96	76	11.7	NA
SSite96-26	SWSC Spring	7/12/96	64	11.1	NA

Table I-4.0-17
Spring Water Background Set

Major Elements

Data Source	Rock Type	Name	Description	Sample Number	Date	Temp °C	Si	Sio2	Ca
Dale	Tschicoma	Apache Spring	Apache Spg.	SSite96-13	04/03/96	NA	NA	56.1	10.9
Dale	Tschicoma	Apache Spring	Apache Spring	VA-443	07/18/94	8.7	NA	54.8	11.3
Shevenell	Tschicoma	Apache Spring	Apache Spring	VA-57	07/80	9	NA	58	10.8
Blake	Tschicoma	Apache Spring	Apache Spring	VA-350	05/20/91	8.3	NA	28	11.0
nure	Bandelier Tuff	Pine Spring	Pine Spring	N10666	6/11/74	10	NA	NA	14.294
Dale	Bandelier Tuff	Pine Spring	Pine Spring	VA-434	06/17/94	10.5	NA	51.1	13.4
Blake	Bandelier Tuff	Pine Spring	Pine Spring	VA-356	05/24/91	12.6	NA	25	10.7
NMED	Bandelier Tuff	Pine Spring	pine spring (lower @ cabin)	NA	12/26/90	3.3*	NA	NA	11
NMED	Bandelier Tuff	Pine Spring	pine spring (lower @ cabin)	NA	10/15/91	12.1*	NA	53	14
NMED	Bandelier Tuff	Pine Spring	Pine spring (tributary)	NA	12/26/90	4.8*	NA	NA	21
NMED	Bandelier Tuff	Pine Spring	pine spring (upper)	NA	3/25/91	10.3	NA	98	11
NMED	Bandelier Tuff	Pine Spring	pine spring (upper)	NA	10/15/91	10.2	NA	51	10
nure	Bandelier Tuff	Seven Springs	Seven Springs	N10841	06/21/74	12	NA	NA	11.457
Meeker	Bandelier Tuff	Seven Springs	Seven Springs	VC2B-28	6/28/84	13.4	NA	31.0	15.1
Dale	Bandelier Tuff	Seven Springs	Seven Springs	SSite96-12	04/03/96	NA	NA	31	12.5
Shevenell	Bandelier Tuff	Seven Springs	Seven Springs	VA-134	05/83	NA	NA	30	12.0
Shevenell	Bandelier Tuff	Seven Springs	Seven Springs	VA-138	05/83	12	NA	30	11.0
Shevenell	Bandelier Tuff	Seven Springs	Seven Springs	VA-47	10/79	10	NA	41	12.3
Blake	Bandelier Tuff	Seven Springs	Seven Springs	VA-333	05/10/91	11.5	NA	31	12.9
NMED	Tschicoma	Upper Canyon de Valle	Upper Canyon de Valle	CDV-5.0	7/17/92	8.1	NA	49	10
Blake	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	PP93-27	05/20/93	11.3	NA	39.8	6.94
Blake	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	WCG	08/18/92	15.3	NA	43.7	7.20
Dale	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	SSite96-14	04/03/96	NA	NA	44.3	6.18
Shevenell	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	LA-1	08/78	11	NA	43	7.0

Table I-4.0-17
Spring Water Background Set
(Continued)

Major Elements

Data Source	Rock Type	Name	Description	Sample Number	Date	Mg	Sr	Na	K	Li
Dale	Tschicoma	Apache Spring	Apache Spg.	SSite96-13	04/03/96	4.86	0.1	9.77	4.75	<0.01
Dale	Tschicoma	Apache Spring	Apache Spring	VA-443	07/18/94	4.03	0.1	8.78	4.48	<0.01
Shevenell	Tschicoma	Apache Spring	Apache Spring	VA-57	07/80	4.6	0.064	6.7	3.5	0.006
Blake	Tschicoma	Apache Spring	Apache Spring	VA-350	05/20/91	4.70	0.09	9.2	4.4	<0.01
nure	Bandelier Tuff	Pine Spring	Pine Spring	N10666	6/11/74	0.664	NA	NA	NA	NA
Dale	Bandelier Tuff	Pine Spring	Pine Spring	VA-434	06/17/94	4.16	0.11	6.82	2.99	<0.01
Blake	Bandelier Tuff	Pine Spring	Pine Spring	VA-356	05/24/91	3.55	0.08	6.4	3.6	<0.01
NMED	Bandelier Tuff	Pine Spring	pine spring (lower @ cabin)	NA	12/26/90	3.3	NA	6.9	4	NA
NMED	Bandelier Tuff	Pine Spring	pine spring (lower @ cabin)	NA	10/15/91	4	0.1	7	4	<0.01
NMED	Bandelier Tuff	Pine Spring	Pine spring (tributary)	NA	12/26/90	4.8	0.11	14	9	NA
NMED	Bandelier Tuff	Pine Spring	pine spring (upper)	NA	3/25/91	3.6	0.09	5.1	3	0.01
NMED	Bandelier Tuff	Pine Spring	pine spring (upper)	NA	10/15/91	3	0.07	6	3	<0.01
nure	Bandelier Tuff	Seven Springs	Seven Springs	N10841	06/21/74	1.617	NA	NA	NA	NA
Meeker	Bandelier Tuff	Seven Springs	Seven Springs	VC2B-28	6/28/84	1.81	0.05	6.80	2.20	<0.02
Dale	Bandelier Tuff	Seven Springs	Seven Springs	SSite96-12	04/03/96	1.63	0.06	7.26	2.13	<0.01
Shevenell	Bandelier Tuff	Seven Springs	Seven Springs	VA-134	05/83	1.5	0.060	8.0	3.00	0.030
Shevenell	Bandelier Tuff	Seven Springs	Seven Springs	VA-138	05/83	1.4	0.05	8.0	4.0	0.050
Shevenell	Bandelier Tuff	Seven Springs	Seven Springs	VA-47	10/79	1.54	0.071	7.23	2.10	0.018
Blake	Bandelier Tuff	Seven Springs	Seven Springs	VA-333	05/10/91	1.71	0.06	6.3	2.4	<0.01
NMED	Tschicoma	Upper Canyon de Valle	Upper Canyon de Valle	CDV-5.0	7/17/92	4	0.09	5	3	<0.01
Blake	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	PP93-27	05/20/93	2.79	0.07	4.90	1.79	0.01
Blake	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	WCG	08/18/92	3.05	0.07	6.30	1.72	<0.01*
Dale	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	SSite96-14	04/03/96	3.15	0.05	5.99	1.75	0.02
Shevenell	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	LA-1	08/78	3.3	0.050	5.8	1.40	0.020

Table I-4.0-17
Spring Water Background Set
(Continued)

Major Elements

Data Source	Rock Type	Name	Description	Sample Number	Date	HCO3	SO4	Cl	F	Br
Dale	Tschicoma	Apache Spring	Apache Spg.	SSite96-13	04/03/96	69	5.93	7.72	0.04	0.01
Dale	Tschicoma	Apache Spring	Apache Spring	VA-443	07/18/94	66.9	7.55	7.12	0.07	0.03
Shevenell	Tschicoma	Apache Spring	Apache Spring	VA-57	07/80	57.0	8.30	8.0	0.27	< 0.2
Blake	Tschicoma	Apache Spring	Apache Spring	VA-350	05/20/91	69.5	5.47	6.02	0.07	0.03
nure	Bandelier Tuff	Pine Spring	Pine Spring	N10666	6/11/74	NA	NA	NA	NA	NA
Dale	Bandelier Tuff	Pine Spring	Pine Spring	VA-434	06/17/94	65.6	10	1.71	0.1	<0.02
Blake	Bandelier Tuff	Pine Spring	Pine Spring	VA-356	05/24/91	61.0	7.70	1.47	0.08	<0.02
NMED	Bandelier Tuff	Pine Spring	pine spring (lower @ cabin)	NA	12/26/90	41	<25	<2	<0.2	NA
NMED	Bandelier Tuff	Pine Spring	pine spring (lower @ cabin)	NA	10/15/91	61	11	2	<0.2	NA
NMED	Bandelier Tuff	Pine Spring	Pine spring (tributary)	NA	12/26/90	77	<50	4	0.3	NA
NMED	Bandelier Tuff	Pine Spring	pine spring (upper)	NA	3/25/91	NA	66	<5	<0.5	NA
NMED	Bandelier Tuff	Pine Spring	pine spring (upper)	NA	10/15/91	48	<10	2	<0.2	NA
nure	Bandelier Tuff	Seven Springs	Seven Springs	N10841	06/21/74	NA	NA	NA	NA	NA
Meeker	Bandelier Tuff	Seven Springs	Seven Springs	VC2B-28	6/28/84	79.3	3.50	1.30	0.20	<0.1
Dale	Bandelier Tuff	Seven Springs	Seven Springs	SSite96-12	04/03/96	59.5	4.03	1.85	0.12	<0.01
Shevenell	Bandelier Tuff	Seven Springs	Seven Springs	VA-134	05/83	53.7	5.50	1.90	0.25	0.06
Shevenell	Bandelier Tuff	Seven Springs	Seven Springs	VA-138	05/83	53.7	5.90	1.90	0.25	0.27
Shevenell	Bandelier Tuff	Seven Springs	Seven Springs	VA-47	10/79	49.0	8.70	3.60	0.21	NA
Blake	Bandelier Tuff	Seven Springs	Seven Springs	VA-333	05/10/91	61.0	3.85	1.22	0.16	0.02
NMED	Tschicoma	Upper Canyon de Valle	Upper Canyon de Valle	CDV-5.0	7/17/92	44.8	4.0	1.4	<0.5	NA
Blake	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	PP93-27	05/20/93	44.6	2.85	0.69	0.06	0.01
Blake	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	WCG	08/18/92	52.8	1.05	0.64	0.05	<0.02
Dale	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	SSite96-14	04/03/96	48.9	1.2	0.77	0.03	<0.01
Shevenell	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	LA-1	08/78	52.0	<5	<1	0.12	NA

Table I-4.0-17
Spring Water Background Set
(Continued)

Major Elements

Data Source	Rock type	Name	Description	Sample Number	Date	B	CO3	TDS
Dale	Tschicoma	Apache Spring	Apache Spg.	SSite96-13	04/03/96	0.005	0	171.1
Dale	Tschicoma	Apache Spring	Apache Spring	VA-443	07/18/94	0.008	0	166.4
Shevenell	Tschicoma	Apache Spring	Apache Spring	VA-57	07/80	<0.01	NA	158
Blake	Tschicoma	Apache Spring	Apache Spring	VA-350	05/20/91	<0.01	0.0	140.9
nure	Bandelier Tuff	Pine Spring	Pine Spring	N10666	6/11/74	NA	NA	NA
Dale	Bandelier Tuff	Pine Spring	Pine Spring	VA-434	06/17/94	0.01	0	158
Blake	Bandelier Tuff	Pine Spring	Pine Spring	VA-356	05/24/91	<0.01	0.0	126.0
NMED	Bandelier Tuff	Pine Spring	pine spring (lower @ cabin)	NA	12/26/90	NA	<1	NA
NMED	Bandelier Tuff	Pine Spring	pine spring (lower @ cabin)	NA	10/15/91	<0.1	<1	170
NMED	Bandelier Tuff	Pine Spring	Pine spring (tributary)	NA	12/26/90	0.02	<1	NA
NMED	Bandelier Tuff	Pine Spring	pine spring (upper)	NA	3/25/91	0.02	NA	151
NMED	Bandelier Tuff	Pine Spring	pine spring (upper)	NA	10/15/91	<0.1	<1	130
nure	Bandelier Tuff	Seven Springs	Seven Springs	N10841	06/21/74	NA	NA	NA
Meeker	Bandelier Tuff	Seven Springs	Seven Springs	VC2B-28	6/28/84	<0.05	0.0	142.3
Dale	Bandelier Tuff	Seven Springs	Seven Springs	SSite96-12	04/03/96	0.013	0	121.5
Shevenell	Bandelier Tuff	Seven Springs	Seven Springs	VA-134	05/83	0.73	NA	117
Shevenell	Bandelier Tuff	Seven Springs	Seven Springs	VA-138	05/83	NA	NA	117
Shevenell	Bandelier Tuff	Seven Springs	Seven Springs	VA-47	10/79	<.003	NA	126
Blake	Bandelier Tuff	Seven Springs	Seven Springs	VA-333	05/10/91	<0.02	0.0	121.7
NMED	Tschicoma	Upper Canyon de Valle	Upper Canyon de Valle	CDV-5.0	7/17/92	<0.1	NA	130
Blake	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	PP93-27	05/20/93	<0.01	0.0	105.9
Blake	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	WCG	08/18/92	<0.05	0.0	117.1
Dale	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	SSite96-14	04/03/96	0.004	0	113.6
Shevenell	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	LA-1	08/78	<0.05	NA	119

Table I-4.0-17
Spring Water Background Set
(Continued)

Major Elements

Data Source	Rock Type	Name	Description	Sample Number	Date	Cation Sum	Anion Sum
Dale	Tschicoma	Apache Spring	Apache Spg.	SSite96-13	04/03/96	1.532	1.498
Dale	Tschicoma	Apache Spring	Apache Spring	VA-443	07/18/94	1.5	1.459
Shevenell	Tschicoma	Apache Spring	Apache Spring	VA-57	07/80	1.30	1.35
Blake	Tschicoma	Apache Spring	Apache Spring	VA-350	05/20/91	1.488	1.455
nure	Bandelier Tuff	Pine Spring	Pine Spring	N10666	6/11/74	NA	NA
Dale	Bandelier Tuff	Pine Spring	Pine Spring	VA-434	06/17/94	1.528	1.34
Blake	Bandelier Tuff	Pine Spring	Pine Spring	VA-356	05/24/91	1.594	1.208
NMED	Bandelier Tuff	Pine Spring	pine spring (lower @ cabin)	NA	12/26/90	NA	NA
NMED	Bandelier Tuff	Pine Spring	pine spring (lower @ cabin)	NA	10/15/91	NA	NA
NMED	Bandelier Tuff	Pine Spring	Pine spring (tributary)	NA	12/26/90	NA	NA
NMED	Bandelier Tuff	Pine Spring	pine spring (upper)	NA	3/25/91	NA	NA
NMED	Bandelier Tuff	Pine Spring	pine spring (upper)	NA	10/15/91	NA	NA
nure	Bandelier Tuff	Seven Springs	Seven Springs	N10841	06/21/74	NA	NA
Meeker	Bandelier Tuff	Seven Springs	Seven Springs	VC2B-28	6/28/84	1.259	1.435
Dale	Bandelier Tuff	Seven Springs	Seven Springs	SSite96-12	04/03/96	1.148	1.137
Shevenell	Bandelier Tuff	Seven Springs	Seven Springs	VA-134	05/83	1.15	1.06
Shevenell	Bandelier Tuff	Seven Springs	Seven Springs	VA-138	05/83	1.12	1.07
Shevenell	Bandelier Tuff	Seven Springs	Seven Springs	VA-47	10/79	1.11	1.10
Blake	Bandelier Tuff	Seven Springs	Seven Springs	VA-333	05/10/91	1.152	1.132
NMED	Tschicoma	Upper Canyon de Valle	Upper Canyon de Valle	CDV-5.0	7/17/92	NA	NA
Blake	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	PP93-27	05/20/93	0.865	0.832
Blake	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	WCG	08/18/92	0.931	0.916
Dale	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	SSite96-14	04/03/96	0.9	0.865
Shevenell	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	LA-1	08/78	0.91	0.99

Table I-4.0-17
Spring Water Background Set
(Continued)

Major Elements

Data Source	Rock Type	Name	Description	Sample Number	Date	Balance
Dale	Tschicoma	Apache Spring	Apache Spg.	SSite96-13	04/03/96	0.0227
Dale	Tschicoma	Apache Spring	Apache Spring	VA-443	07/18/94	0.0275
Shevenell	Tschicoma	Apache Spring	Apache Spring	VA-57	07/80	NA
Blake	Tschicoma	Apache Spring	Apache Spring	VA-350	05/20/91	0.0224
nure	Bandelier Tuff	Pine Spring	Pine Spring	N10666	6/11/74	NA
Dale	Bandelier Tuff	Pine Spring	Pine Spring	VA-434	06/17/94	0.1309
Blake	Bandelier Tuff	Pine Spring	Pine Spring	VA-356	05/24/91	0.2757
NMED	Bandelier Tuff	Pine Spring	pine spring (lower @ cabin)	NA	12/26/90	NA
NMED	Bandelier Tuff	Pine Spring	pine spring (lower @ cabin)	NA	10/15/91	NA
NMED	Bandelier Tuff	Pine Spring	Pine spring (tributary)	NA	12/26/90	NA
NMED	Bandelier Tuff	Pine Spring	pine spring (upper)	NA	3/25/91	NA
NMED	Bandelier Tuff	Pine Spring	pine spring (upper)	NA	10/15/91	NA
nure	Bandelier Tuff	Seven Springs	Seven Springs	N10841	06/21/74	NA
Meeker	Bandelier Tuff	Seven Springs	Seven Springs	VC2B-28	6/28/84	NA
Dale	Bandelier Tuff	Seven Springs	Seven Springs	SSite96-12	04/03/96	0.0094
Shevenell	Bandelier Tuff	Seven Springs	Seven Springs	VA-134	05/83	NA
Shevenell	Bandelier Tuff	Seven Springs	Seven Springs	VA-138	05/83	NA
Shevenell	Bandelier Tuff	Seven Springs	Seven Springs	VA-47	10/79	NA
Blake	Bandelier Tuff	Seven Springs	Seven Springs	VA-333	05/10/91	0.0179
NMED	Tschicoma	Upper Canyon de Valle	Upper Canyon de Valle	CDV-5.0	7/17/92	NA
Blake	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	PP93-27	05/20/93	0.0389
Blake	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	WCG	08/18/92	0.0158
Dale	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	SSite96-14	04/03/96	0.039
Shevenell	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	LA-1	08/78	NA

Table I-4.0-17
Spring Water Background Set
(Continued)

Dales Misc. Environmental Samples reported as ppm
Major cation/anion analyses from Meeker data reported as mg/kg
Major cation/anion analyses from W. Blake data reported as mg/kg
Major element analyses from Shevenell data reported as mg/l
NMED data reported as mg/L (NA in not analyzed or not applicable)
Nure samples reported as ppb; converted to ppm

- for temp (NMED) taken during low-flow conditions

Table I-4.0-17
Spring Water Background Set
(Continued)

Trace Elements

Data Source	Rock Type	Name	Description	Sample Number	Date	Temp °C	Ag	Al	As
Blake	Tschicoma	Apache Spring	Apache Spring	VA-350	05/19/87	8.3	<0.001	0.2	<0.05
Dale	Tschicoma	Apache Spring	Apache Spring	SSite96-13	04/03/96	NA	<0.0002	0.28	<0.0002
Dale	Tschicoma	Apache Spring	Apache Spring	VA-443	07/18/94	8.7	<0.0005	0.73	<0.0005
Shevenell	Tschicoma	Apache Spring	Apache Spring	VA-57	07/80	9	<0.03	NA	NA
nure	Bandelier Tuff	Pine Spring	Pine Spring	N10666	6/11/74	10.000	NA	NA	NA
Blake	Bandelier Tuff	Pine Spring	Pine Spring	VA-356	05/23/87	12.6	<0.003	1.4	<0.05
NMED	Bandelier Tuff	Pine Spring	pine spring (lower @ cabin)	NA	12/26/90	3.3*	NA	NA	NA
NMED	Bandelier Tuff	Pine Spring	Pine spring (tributary)	NA	12/26/90	4.8*	<0.01	1.1	<0.005
NMED	Bandelier Tuff	Pine Spring	pine spring (upper)	NA	3/25/91	10.3	<0.01	1.0	<0.005
NMED	Bandelier Tuff	Pine Spring	pine spring (lower @ cabin)	NA	10/15/91	12.1*	<0.01	<0.2	<0.01
NMED	Bandelier Tuff	Pine Spring	pine spring (upper)	NA	10/15/91	10.2	<0.01	<0.2	<0.01
Dale	Bandelier Tuff	Pine Spring	Pine Spring	VA-434	06/17/94	10.5	<0.001	0.82	0.0003
nure	Bandelier Tuff	Seven Springs	Seven Springs	N10841	6/21/74	12.000	NA	NA	NA
Meeker	Bandelier Tuff	Seven Springs	Seven Springs	VC2B-28	6/28/84	13.4	<0.001	<0.1	<0.05
Blake	Bandelier Tuff	Seven Springs	Seven Springs	VA-333	05/09/87	11.5	<0.001	<0.1	<0.05
Dale	Bandelier Tuff	Seven Springs	Seven Springs	SSite96-12	04/03/96	NA	<0.0002	0.12	0.0004
Shevenell	Bandelier Tuff	Seven Springs	Seven Springs	VA-134	05/83	NA	NA	0.20	NA
Shevenell	Bandelier Tuff	Seven Springs	Seven Springs	VA-138	05/83	12	NA	0.2	NA
Shevenell	Bandelier Tuff	Seven Springs	Seven Springs	VA-47	10/79	10	<0.03	NA	NA
NMED	Tschicoma	Upper Canyon de Valle	Upper Canyon de Valle	CDV-5.0	7/17/92	8.1	<0.01	0.5	<0.01
Blake	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	WCG	08/17/88	15.3	<0.001	<0.1	<0.05
Blake	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	PP93-27	05/19/89	11.3	<0.001	0.2	<0.05
Dale	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	SSite96-14	04/03/96	NA	<0.0002	0.15	0.0004
Shevenell	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	LA-1	08/78	11	<0.03	NA	NA

Table I-4.0-17
Spring Water Background Set
(Continued)

Trace Elements

Data Source	Rock type	Name	Description	Sample Number	Date	Ba	Be	Cd	CLO3
Blake	Tschicoma	Apache Spring	Apache Spring	VA-350	05/19/87	0.06	NA	<0.001	<0.05
Dale	Tschicoma	Apache Spring	Apache Spring	SSite96-13	04/03/96	0.07	<0.002	<0.0002	NA
Dale	Tschicoma	Apache Spring	Apache Spring	VA-443	07/18/94	0.07	NA	<0.0005	<0.02
Shevenell	Tschicoma	Apache Spring	Apache Spring	VA-57	07/80	0.066	NA	<0.001	NA
nure	Bandelier Tuff	Pine Spring	Pine Spring	N10666	6/11/74	NA	NA	NA	NA
Blake	Bandelier Tuff	Pine Spring	Pine Spring	VA-356	05/23/87	0.05	NA	<0.001	<0.05
NMED	Bandelier Tuff	Pine Spring	pine spring (lower @ cabin)	NA	12/26/90	NA	NA	NA	NA
NMED	Bandelier Tuff	Pine Spring	Pine spring (tributary)	NA	12/26/90	0.1	<0.01	<0.005	NA
NMED	Bandelier Tuff	Pine Spring	pine spring (upper)	NA	3/25/91	0.1	<0.001	<0.005	NA
NMED	Bandelier Tuff	Pine Spring	pine spring (lower @ cabin)	NA	10/15/91	<0.1	<0.005	<0.005	NA
NMED	Bandelier Tuff	Pine Spring	pine spring (upper)	NA	10/15/91	<0.1	<0.005	<0.005	NA
Dale	Bandelier Tuff	Pine Spring	Pine Spring	VA-434	06/17/94	0.06	NA	<0.001	<0.02
nure	Bandelier Tuff	Seven Springs	Seven Springs	N10841	6/21/74	NA	NA	NA	NA
Meeker	Bandelier Tuff	Seven Springs	Seven Springs	VC2B-28	6/28/84	0.01	NA	<0.002	NA
Blake	Bandelier Tuff	Seven Springs	Seven Springs	VA-333	05/09/87	0.01	NA	<0.001	<0.05
Dale	Bandelier Tuff	Seven Springs	Seven Springs	SSite96-12	04/03/96	0.02	<0.002	<0.0002	NA
Shevenell	Bandelier Tuff	Seven Springs	Seven Springs	VA-134	05/83	0.02	NA	0.0030	NA
Shevenell	Bandelier Tuff	Seven Springs	Seven Springs	VA-138	05/83	0.02	NA	0.003	NA
Shevenell	Bandelier Tuff	Seven Springs	Seven Springs	VA-47	10/79	0.036	NA	<0.03	NA
NMED	Tschicoma	Upper Canyon de Valle	Upper Canyon de Valle	CDV-5.0	7/17/92	<0.1	<0.005	<0.005	NA
Blake	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	WCG	08/17/88	0.01	NA	<0.001	NA
Blake	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	PP93-27	05/19/89	0.02	NA	0.001	<0.05
Dale	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	SSite96-14	04/03/96	0.01	<0.002	<0.0002	<0.02
Shevenell	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	LA-1	08/78	<0.12	NA	<0.03	NA

Table I-4.0-17
Spring Water Background Set
(Continued)

Trace Elements

Data Source	Rock Type	Name	Description	Sample Number	Date	Co	Cr	Cs	Cu
Blake	Tschicoma	Apache Spring	Apache Spring	VA-350	05/19/87	<0.002	<0.002	<0.005	0.003
Dale	Tschicoma	Apache Spring	Apache Spring	SSite96-13	04/03/96	<0.002	<0.002	<0.002	<0.002
Dale	Tschicoma	Apache Spring	Apache Spring	VA-443	07/18/94	<0.002	<0.002	0.005	0.003
Shevenell	Tschicoma	Apache Spring	Apache Spring	VA-57	07/80	<0.001	0.00	NA	<0.001
nure	Bandelier Tuff	Pine Spring	Pine Spring	N10666	6/11/74	.059	-.025	NA	-.004
Blake	Bandelier Tuff	Pine Spring	Pine Spring	VA-356	05/23/87	<0.002	0.004	0.006	0.004
NMED	Bandelier Tuff	Pine Spring	pine spring (lower @ cabin)	NA	12/26/90	NA	NA	NA	NA
NMED	Bandelier Tuff	Pine Spring	Pine spring (tributary)	NA	12/26/90	<0.01	<0.01	NA	0.03
NMED	Bandelier Tuff	Pine Spring	pine spring (upper)	NA	3/25/91	<0.01	<0.01	NA	<0.01
NMED	Bandelier Tuff	Pine Spring	pine spring (lower @ cabin)	NA	10/15/91	<0.01	<0.01	NA	<0.01
NMED	Bandelier Tuff	Pine Spring	pine spring (upper)	NA	10/15/91	<0.01	<0.01	NA	<0.01
Dale	Bandelier Tuff	Pine Spring	Pine Spring	VA-434	06/17/94	<0.002	<0.002	<0.002	0.004
nure	Bandelier Tuff	Seven Springs	Seven Springs	N10841	6/21/74	-.055	-.025	NA	-.004
Meeker	Bandelier Tuff	Seven Springs	Seven Springs	VC2B-28	6/28/84	<0.002	<0.002	<0.005	<0.002
Blake	Bandelier Tuff	Seven Springs	Seven Springs	VA-333	05/09/87	<0.002	0.011	<0.005	<0.002
Dale	Bandelier Tuff	Seven Springs	Seven Springs	SSite96-12	04/03/96	<0.002	<0.002	<0.002	0.002
Shevenell	Bandelier Tuff	Seven Springs	Seven Springs	VA-134	05/83	NA	NA	NA	NA
Shevenell	Bandelier Tuff	Seven Springs	Seven Springs	VA-138	05/83	NA	NA	NA	NA
Shevenell	Bandelier Tuff	Seven Springs	Seven Springs	VA-47	10/79	<0.06	0.001	NA	<0.04
NMED	Tschicoma	Upper Canyon de Valle	Upper Canyon de Valle	CDV-5.0	7/17/92	<0.01	<0.01	NA	<0.01
Blake	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	WCG	08/17/88	<0.002	0.003	<0.002	<0.002
Blake	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	PP93-27	05/19/89	<0.002	<0.002	<0.002	0.002
Dale	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	SSite96-14	04/03/96	<0.002	<0.002	<0.002	<0.002
Shevenell	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	LA-1	08/78	<0.06	<0.03	NA	<0.04

Table I-4.0-17
Spring Water Background Set
(Continued)

Trace Elements

Data Source	Rock Type	Name	Description	Sample Number	Date	Fe	Hg	I	Mn
Blake	Tschicoma	Apache Spring	Apache Spring	VA-350	05/19/87	0.16	<0.1	<0.01	<0.02
Dale	Tschicoma	Apache Spring	Apache Spring	SSite96-13	04/03/96	0.1	<0.0002	<0.01	<0.01
Dale	Tschicoma	Apache Spring	Apache Spring	VA-443	07/18/94	0.26	<0.0002	<0.01	<0.01
Shevenell	Tschicoma	Apache Spring	Apache Spring	VA-57	07/80	0.42	NA	NA	0.003
nure	Bandelier Tuff	Pine Spring	Pine Spring	N10666	6/11/74	.664	NA	NA	-.003
Blake	Bandelier Tuff	Pine Spring	Pine Spring	VA-356	05/23/87	4.17	<0.1	<0.01	<0.02
NMED	Bandelier Tuff	Pine Spring	pine spring (lower @ cabin)	NA	12/26/90	NA	NA	NA	NA
NMED	Bandelier Tuff	Pine Spring	Pine spring (tributary)	NA	12/26/90	0.5	<0.0002	NA	0.07
NMED	Bandelier Tuff	Pine Spring	pine spring (upper)	NA	3/25/91	0.5	<0.0002	NA	<0.01
NMED	Bandelier Tuff	Pine Spring	pine spring (lower @ cabin)	NA	10/15/91	<0.1	<0.0002	NA	<0.01
NMED	Bandelier Tuff	Pine Spring	pine spring (upper)	NA	10/15/91	<0.1	<0.0002	NA	<0.01
Dale	Bandelier Tuff	Pine Spring	Pine Spring	VA-434	06/17/94	0.49	<0.0002	<0.02	<0.01
nure	Bandelier Tuff	Seven Springs	Seven Springs	N10841	6/21/74	.080	NA	NA	-.003
Meeker	Bandelier Tuff	Seven Springs	Seven Springs	VC2B-28	6/28/84	0.06	NA	NA	<0.01
Blake	Bandelier Tuff	Seven Springs	Seven Springs	VA-333	05/09/87	0.52	<0.1	<0.01	<0.02
Dale	Bandelier Tuff	Seven Springs	Seven Springs	SSite96-12	04/03/96	0.02	<0.0002	<0.01	<0.01
Shevenell	Bandelier Tuff	Seven Springs	Seven Springs	VA-134	05/83	0.20	NA	NA	NA
Shevenell	Bandelier Tuff	Seven Springs	Seven Springs	VA-138	05/83	0.20	NA	NA	NA
Shevenell	Bandelier Tuff	Seven Springs	Seven Springs	VA-47	10/79	0.036	NA	NA	0.001
NMED	Tschicoma	Upper Canyon de Valle	Upper Canyon de Valle	CDV-5.0	7/17/92	<0.1	<0.0002	NA	<0.01
Blake	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	WCG	08/17/88	<0.01	NA	<0.02	<0.01
Blake	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	PP93-27	05/19/89	0.05	NA	<0.01	<0.01
Dale	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	SSite96-14	04/03/96	0.05	<0.0002	<0.01	<0.01
Shevenell	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	LA-1	08/78	<0.04	NA	NA	<0.02

Table I-4.0-17
Spring Water Background Set
(Continued)

Trace Elements

Data Source	Rock Type	Name	Description	Sample Number	Date	Mo	NH3	NH4	Ni
Blake	Tschicoma	Apache Spring	Apache Spring	VA-350	05/19/87	<0.002	NA	0.09	<0.002
Dale	Tschicoma	Apache Spring	Apache Spring	SSite96-13	04/03/96	<0.002	NA	0.04	<0.002
Dale	Tschicoma	Apache Spring	Apache Spring	VA-443	07/18/94	<0.002	NA	0.17	<0.002
Shevenell	Tschicoma	Apache Spring	Apache Spring	VA-57	07/80	<0.002	NA	NA	<0.002
nure	Bandelier Tuff	Pine Spring	Pine Spring	N10666	6/11/74	-.025	NA	-.025	NA
Blake	Bandelier Tuff	Pine Spring	Pine Spring	VA-356	05/23/87	<0.002	0.24	<0.002	<0.02
NMED	Bandelier Tuff	Pine Spring	pine spring (lower @ cabin)	NA	12/26/90	NA	NA	NA	NA
NMED	Bandelier Tuff	Pine Spring	Pine spring (tributary)	NA	12/26/90	<0.01	NA	<0.02	NA
NMED	Bandelier Tuff	Pine Spring	pine spring (upper)	NA	3/25/91	<0.01	NA	<0.02	NA
NMED	Bandelier Tuff	Pine Spring	pine spring (lower @ cabin)	NA	10/15/91	<0.01	NA	<0.02	NA
NMED	Bandelier Tuff	Pine Spring	pine spring (upper)	NA	10/15/91	<0.01	NA	<0.02	NA
Dale	Bandelier Tuff	Pine Spring	Pine Spring	VA-434	06/17/94	<0.002	0.42	<0.002	<0.02
nure	Bandelier Tuff	Seven Springs	Seven Springs	N10841	6/21/74	-.025	NA	-.025	NA
Meeker	Bandelier Tuff	Seven Springs	Seven Springs	VC2B-28	6/28/84	<0.002	<0.05	0.012	NA
Blake	Bandelier Tuff	Seven Springs	Seven Springs	VA-333	05/09/87	<0.002	0.04	<0.002	<0.02
Dale	Bandelier Tuff	Seven Springs	Seven Springs	SSite96-12	04/03/96	<0.002	0.06	<0.002	<0.01
Shevenell	Bandelier Tuff	Seven Springs	Seven Springs	VA-134	05/83	NA	NA	NA	NA
Shevenell	Bandelier Tuff	Seven Springs	Seven Springs	VA-138	05/83	NA	NA	NA	NA
Shevenell	Bandelier Tuff	Seven Springs	Seven Springs	VA-47	10/79	0.001	NA	<0.05	NA
NMED	Tschicoma	Upper Canyon de Valle	Upper Canyon de Valle	CDV-5.0	7/17/92	<0.01	NA	<0.02	NA
Blake	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	WCG	08/17/88	0.009	<0.05	<0.002	<0.02
Blake	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	PP93-27	05/19/89	<0.002	<0.02	<0.002	<0.01
Dale	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	SSite96-14	04/03/96	<0.002	0.06	<0.002	0.02
Shevenell	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	LA-1	08/78	<0.10	NA	<0.05	NA

Table I-4.0-17
Spring Water Background Set
(Continued)

Trace Elements

Data Source	Rock type	Name	Description	Sample Number	Date	NO2	NO3	Pb	PO4
Blake	Tschicoma	Apache Spring	Apache Spring	VA-350	05/19/87	<0.02	1.55	<0.002	0.10
Dale	Tschicoma	Apache Spring	Apache Spring	SSite96-13	04/03/96	0.02	1.33	<0.002	0.07
Dale	Tschicoma	Apache Spring	Apache Spring	VA-443	07/18/94	<0.01	0.01	<0.002	<0.02
Shevenell	Tschicoma	Apache Spring	Apache Spring	VA-57	07/80	NA	1.4	<0.004	<0.2
nure	Bandelier Tuff	Pine Spring	Pine Spring	N10666	6/11/74	NA	-.200	NA	NA
Blake	Bandelier Tuff	Pine Spring	Pine Spring	VA-356	05/23/87	0.04	0.003	<0.05	0.007
NMED	Bandelier Tuff	Pine Spring	pine spring (lower @ cabin)	NA	12/26/90	NA	NA	0.46	NA
NMED	Bandelier Tuff	Pine Spring	Pine spring (tributary)	NA	12/26/90	NA	<0.003	NA	NA
NMED	Bandelier Tuff	Pine Spring	pine spring (upper)	NA	3/25/91	NA	<0.003	0.46	NA
NMED	Bandelier Tuff	Pine Spring	pine spring (lower @ cabin)	NA	10/15/91	NA	<0.003	0.46	NA
NMED	Bandelier Tuff	Pine Spring	pine spring (upper)	NA	10/15/91	NA	<0.003	0.28	NA
Dale	Bandelier Tuff	Pine Spring	Pine Spring	VA-434	06/17/94	0.12	<0.002	0.07	0.005
nure	Bandelier Tuff	Seven Springs	Seven Springs	N10841	6/21/74	NA	-.200	NA	NA
Meeker	Bandelier Tuff	Seven Springs	Seven Springs	VC2B-28	6/28/84	0.90	<0.002	<0.2	0.010
Blake	Bandelier Tuff	Seven Springs	Seven Springs	VA-333	05/09/87	0.47	<0.002	<0.05	0.020
Dale	Bandelier Tuff	Seven Springs	Seven Springs	SSite96-12	04/03/96	1.16	<0.002	<0.05	0.019
Shevenell	Bandelier Tuff	Seven Springs	Seven Springs	VA-134	05/83	0.09	NA	NA	NA
Shevenell	Bandelier Tuff	Seven Springs	Seven Springs	VA-138	05/83	NA	NA	NA	NA
Shevenell	Bandelier Tuff	Seven Springs	Seven Springs	VA-47	10/79	NA	<0.14	NA	NA
NMED	Tschicoma	Upper Canyon de Valle	Upper Canyon de Valle	CDV-5.0	7/17/92	NA	<0.003	0.15	NA
Blake	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	WCG	08/17/88	0.48	0.004	<0.05	0.004
Blake	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	PP93-27	05/19/89	0.98	0.005	0.07	0.006
Dale	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	SSite96-14	04/03/96	0.91	<0.002	<0.05	0.006
Shevenell	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	LA-1	08/78	NA	<0.14	NA	NA

Table I-4.0-17
Spring Water Background Set
(Continued)

Trace Elements

Data Source	Rock Type	Name	Description	Sample Number	Date	Rb	Sb	Se	S2O3
Blake	Tschicoma	Apache Spring	Apache Spring	VA-350	05/19/87	0.007	<0.05	<0.1	<0.01
Dale	Tschicoma	Apache Spring	Apache Spring	SSite96-13	04/03/96	0.01	<0.0001	<0.0001	<0.01
Dale	Tschicoma	Apache Spring	Apache Spring	VA-443	07/18/94	0.008	<0.0002	<0.0002	<0.01
Shevenell	Tschicoma	Apache Spring	Apache Spring	VA-57	07/80	NA	NA	NA	NA
nure	Bandelier Tuff	Pine Spring	Pine Spring	N10666	6/11/74	NA	NA	NA	NA
Blake	Bandelier Tuff	Pine Spring	Pine Spring	VA-356	05/23/87	<0.05	<0.1	<0.01	NA
NMED	Bandelier Tuff	Pine Spring	pine spring (lower @ cabin)	NA	12/26/90	NA	NA	NA	NA
NMED	Bandelier Tuff	Pine Spring	Pine spring (tributary)	NA	12/26/90	<0.06	<0.005	NA	<0.02
NMED	Bandelier Tuff	Pine Spring	pine spring (upper)	NA	3/25/91	<0.06	<0.005	NA	0.03
NMED	Bandelier Tuff	Pine Spring	pine spring (lower @ cabin)	NA	10/15/91	<0.02	<0.005	NA	<0.01
NMED	Bandelier Tuff	Pine Spring	pine spring (upper)	NA	10/15/91	<0.02	<0.005	NA	<0.01
Dale	Bandelier Tuff	Pine Spring	Pine Spring	VA-434	06/17/94	<0.0002	<0.0002	<0.01	NA
nure	Bandelier Tuff	Seven Springs	Seven Springs	N10841	6/21/74	NA	NA	NA	NA
Meeker	Bandelier Tuff	Seven Springs	Seven Springs	VC2B-28	6/28/84	<0.05	NA	NA	NA
Blake	Bandelier Tuff	Seven Springs	Seven Springs	VA-333	05/09/87	<0.1	<0.1	NA	NA
Dale	Bandelier Tuff	Seven Springs	Seven Springs	SSite96-12	04/03/96	<0.0001	0.0003	<0.01	<0.002
Shevenell	Bandelier Tuff	Seven Springs	Seven Springs	VA-134	05/83	NA	NA	NA	NA
Shevenell	Bandelier Tuff	Seven Springs	Seven Springs	VA-138	05/83	NA	NA	NA	NA
Shevenell	Bandelier Tuff	Seven Springs	Seven Springs	VA-47	10/79	NA	NA	NA	NA
NMED	Tschicoma	Upper Canyon de Valle	Upper Canyon de Valle	CDV-5.0	7/17/92	<0.02	<0.006	NA	<0.02
Blake	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	WCG	08/17/88	<0.1	NA	<0.02	NA
Blake	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	PP93-27	05/19/89	<0.1	NA	NA	NA
Dale	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	SSite96-14	04/03/96	<0.0001	<0.0001	<0.01	<0.002
Shevenell	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	LA-1	08/78	NA	NA	NA	NA

Table I-4.0-17
Spring Water Background Set
(Continued)

Trace Elements

Data Source	Rock Type	Name	Description	Sample Number	Date	Sn	Ti	Tl
Blake	Tschicoma	Apache Spring	Apache Spring	VA-350	05/19/87	NA	NA	NA
Dale	Tschicoma	Apache Spring	Apache Spring	SSite96-13	04/03/96	<0.002	0.014	<0.002
Dale	Tschicoma	Apache Spring	Apache Spring	VA-443	07/18/94	NA	NA	NA
Shevenell	Tschicoma	Apache Spring	Apache Spring	VA-57	07/80	NA	NA	NA
nure	Bandelier Tuff	Pine Spring	Pine Spring	N10666	6/11/74	.011	NA	below det
Blake	Bandelier Tuff	Pine Spring	Pine Spring	VA-356	05/23/87	NA	NA	<0.1
NMED	Bandelier Tuff	Pine Spring	pine spring (lower @ cabin)	NA	12/26/90	NA	NA	NA
NMED	Bandelier Tuff	Pine Spring	Pine spring (tributary)	NA	12/26/90	NA	<0.005	NA
NMED	Bandelier Tuff	Pine Spring	pine spring (upper)	NA	3/25/91	NA	<0.005	NA
NMED	Bandelier Tuff	Pine Spring	pine spring (lower @ cabin)	NA	10/15/91	NA	<0.01	NA
NMED	Bandelier Tuff	Pine Spring	pine spring (upper)	NA	10/15/91	NA	<0.01	NA
Dale	Bandelier Tuff	Pine Spring	Pine Spring	VA-434	06/17/94	NA	NA	NA
nure	Bandelier Tuff	Seven Springs	Seven Springs	N10841	6/21/74	-.004	NA	.001
Meeker	Bandelier Tuff	Seven Springs	Seven Springs	VC2B-28	6/28/84	NA	NA	NA
Blake	Bandelier Tuff	Seven Springs	Seven Springs	VA-333	05/09/87	NA	NA	<0.1
Dale	Bandelier Tuff	Seven Springs	Seven Springs	SSite96-12	04/03/96	<0.002	<0.002	NA
Shevenell	Bandelier Tuff	Seven Springs	Seven Springs	VA-134	05/83	NA	NA	NA
Shevenell	Bandelier Tuff	Seven Springs	Seven Springs	VA-138	05/83	NA	NA	NA
Shevenell	Bandelier Tuff	Seven Springs	Seven Springs	VA-47	10/79	NA	NA	NA
NMED	Tschicoma	Upper Canyon de Valle	Upper Canyon de Valle	CDV-5.0	7/17/92	NA	<0.01	NA
Blake	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	WCG	08/17/88	NA	NA	NA
Blake	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	PP93-27	05/19/89	NA	NA	NA
Dale	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	SSite96-14	04/03/96	0.005	<0.002	NA
Shevenell	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	LA-1	08/78	NA	NA	NA

Table I-4.0-17
Spring Water Background Set
(Continued)

Trace Elements

Data Source	Rock Type	Name	Description	Sample Number	Date	Sn	Ti	Tl
Shevenell	Bandelier Tuff	Seven Springs	Seven Springs	VA-134	05/83	NA	NA	NA
Shevenell	Bandelier Tuff	Seven Springs	Seven Springs	VA-138	05/83	NA	NA	NA
Shevenell	Bandelier Tuff	Seven Springs	Seven Springs	VA-47	10/79	NA	NA	NA
NMED	Tschicoma	Upper Canyon de Valle	Upper Canyon de Valle	CDV-5.0	7/17/92	NA	<0.01	NA
Blake	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	WCG	08/17/88	NA	NA	NA
Blake	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	PP93-27	05/19/89	NA	NA	NA
Dale	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	SSite96-14	04/03/96	0.005	<0.002	NA
Shevenell	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	LA-1	08/78	NA	NA	NA
Blake	Tschicoma	Apache Spring	Apache Spring	VA-350	05/19/87	NA	NA	NA
Dale	Tschicoma	Apache Spring	Apache Spring	SSite96-13	04/03/96	<0.002	0.014	<0.002
Dale	Tschicoma	Apache Spring	Apache Spring	VA-443	07/18/94	NA	NA	NA
Shevenell	Tschicoma	Apache Spring	Apache Spring	VA-57	07/80	NA	NA	NA
nure	Bandelier Tuff	Pine Spring	Pine Spring	N10666	6/11/74	.011	NA	below det
Blake	Bandelier Tuff	Pine Spring	Pine Spring	VA-356	05/23/87	NA	NA	<0.1
NMED	Bandelier Tuff	Pine Spring	pine spring (lower @ cabin)	NA	12/26/90	NA	NA	NA
NMED	Bandelier Tuff	Pine Spring	Pine spring (tributary)	NA	12/26/90	NA	<0.005	NA
NMED	Bandelier Tuff	Pine Spring	pine spring (upper)	NA	3/25/91	NA	<0.005	NA
NMED	Bandelier Tuff	Pine Spring	pine spring (lower @ cabin)	NA	10/15/91	NA	<0.01	NA
NMED	Bandelier Tuff	Pine Spring	pine spring (upper)	NA	10/15/91	NA	<0.01	NA
Dale	Bandelier Tuff	Pine Spring	Pine Spring	VA-434	06/17/94	NA	NA	NA
nure	Bandelier Tuff	Seven Springs	Seven Springs	N10841	6/21/74	-.004	NA	.001
Meeker	Bandelier Tuff	Seven Springs	Seven Springs	VC2B-28	6/28/84	NA	NA	NA
Blake	Bandelier Tuff	Seven Springs	Seven Springs	VA-333	05/09/87	NA	NA	<0.1
Dale	Bandelier Tuff	Seven Springs	Seven Springs	SSite96-12	04/03/96	<0.002	<0.002	NA

Table I-4.0-17
Spring Water Background Set
(Continued)

Trace Elements

Data Source	Rock Type	Name	Description	Sample Number	Date	U	V	Zn	Ammonia as N
Blake	Tschicoma	Apache Spring	Apache Spring	VA-350	05/19/87	<0.1	NA	0.03	NA
Dale	Tschicoma	Apache Spring	Apache Spring	SSite96-13	04/03/96	NA	0.004	<0.01	NA
Dale	Tschicoma	Apache Spring	Apache Spring	VA-443	07/18/94	NA	NA	<0.01	NA
Shevenell	Tschicoma	Apache Spring	Apache Spring	VA-57	07/80	NA	NA	0.02	NA
nure	Bandelier Tuff	Pine Spring	Pine Spring	N10666	6/11/74	NA	-.050	NA	NA
Blake	Bandelier Tuff	Pine Spring	Pine Spring	VA-356	05/23/87	NA	0.07	NA	NA
NMED	Bandelier Tuff	Pine Spring	pine spring (lower @ cabin)	NA	12/26/90	NA	NA	<0.05	0.2
NMED	Bandelier Tuff	Pine Spring	Pine spring (tributary)	NA	12/26/90	<0.01	<0.02	NA	NA
NMED	Bandelier Tuff	Pine Spring	pine spring (upper)	NA	3/25/91	<0.01	<0.02	<0.05	0.2
NMED	Bandelier Tuff	Pine Spring	pine spring (lower @ cabin)	NA	10/15/91	<0.01	<0.02	<0.5	<0.1
NMED	Bandelier Tuff	Pine Spring	pine spring (upper)	NA	10/15/91	<0.01	<0.02	<0.05	0.1
Dale	Bandelier Tuff	Pine Spring	Pine Spring	VA-434	06/17/94	NA	<0.01	NA	NA
nure	Bandelier Tuff	Seven Springs	Seven Springs	N10841	6/21/74	NA	.058	NA	NA
Meeker	Bandelier Tuff	Seven Springs	Seven Springs	VC2B-28	6/28/84	NA	<0.02	NA	NA
Blake	Bandelier Tuff	Seven Springs	Seven Springs	VA-333	05/09/87	NA	0.01	NA	NA
Dale	Bandelier Tuff	Seven Springs	Seven Springs	SSite96-12	04/03/96	<0.002	0.01	NA	NA
Shevenell	Bandelier Tuff	Seven Springs	Seven Springs	VA-134	05/83	NA	NA	NA	NA
Shevenell	Bandelier Tuff	Seven Springs	Seven Springs	VA-138	05/83	NA	NA	NA	NA
Shevenell	Bandelier Tuff	Seven Springs	Seven Springs	VA-47	10/79	NA	<0.01	NA	NA
NMED	Tschicoma	Upper Canyon de Valle	Upper Canyon de Valle	CDV-5.0	7/17/92	<0.01	<0.02	0.13	0.32
Blake	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	WCG	08/17/88	NA	0.02	NA	NA
Blake	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	PP93-27	05/19/89	NA	0.05	NA	NA
Dale	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	SSite96-14	04/03/96	0.005	<0.01	NA	NA
Shevenell	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	LA-1	08/78	NA	<0.01	NA	NA
Blake	Tschicoma	Apache Spring	Apache Spring	VA-350	05/19/87	<0.1	NA	0.03	NA

Table I-4.0-17
Spring Water Background Set
(Continued)

Trace Elements

Data Source	Rock Type	Name	Description	Sample Number	Date	U	V	Zn	Ammonia as N
Dale	Tschicoma	Apache Spring	Apache Spring	SSite96-13	04/03/96	NA	0.004	<0.01	NA
Dale	Tschicoma	Apache Spring	Apache Spring	VA-443	07/18/94	NA	NA	<0.01	NA
Shevenell	Tschicoma	Apache Spring	Apache Spring	VA-57	07/80	NA	NA	0.02	NA
nure	Bandelier Tuff	Pine Spring	Pine Spring	N10666	6/11/74	NA	-.050	NA	NA
Blake	Bandelier Tuff	Pine Spring	Pine Spring	VA-356	05/23/87	NA	0.07	NA	NA
NMED	Bandelier Tuff	Pine Spring	pine spring (lower @ cabin)	NA	12/26/90	NA	NA	<0.05	0.2
NMED	Bandelier Tuff	Pine Spring	Pine spring (tributary)	NA	12/26/90	<0.01	<0.02	NA	NA
NMED	Bandelier Tuff	Pine Spring	pine spring (upper)	NA	3/25/91	<0.01	<0.02	<0.05	0.2
NMED	Bandelier Tuff	Pine Spring	pine spring (lower @ cabin)	NA	10/15/91	<0.01	<0.02	<0.5	<0.1
NMED	Bandelier Tuff	Pine Spring	pine spring (upper)	NA	10/15/91	<0.01	<0.02	<0.05	0.1
Dale	Bandelier Tuff	Pine Spring	Pine Spring	VA-434	06/17/94	NA	<0.01	NA	NA
nure	Bandelier Tuff	Seven Springs	Seven Springs	N10841	6/21/74	NA	.058	NA	NA
Meeker	Bandelier Tuff	Seven Springs	Seven Springs	VC2B-28	6/28/84	NA	<0.02	NA	NA
Blake	Bandelier Tuff	Seven Springs	Seven Springs	VA-333	05/09/87	NA	0.01	NA	NA
Dale	Bandelier Tuff	Seven Springs	Seven Springs	SSite96-12	04/03/96	<0.002	0.01	NA	NA
Shevenell	Bandelier Tuff	Seven Springs	Seven Springs	VA-134	05/83	NA	NA	NA	NA
Shevenell	Bandelier Tuff	Seven Springs	Seven Springs	VA-138	05/83	NA	NA	NA	NA
Shevenell	Bandelier Tuff	Seven Springs	Seven Springs	VA-47	10/79	NA	<0.01	NA	NA
NMED	Tschicoma	Upper Canyon de Valle	Upper Canyon de Valle	CDV-5.0	7/17/92	<0.01	<0.02	0.13	0.32
Blake	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	WCG	08/17/88	NA	0.02	NA	NA
Blake	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	PP93-27	05/19/89	NA	0.05	NA	NA
Dale	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	SSite96-14	04/03/96	0.005	<0.01	NA	NA
Shevenell	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	LA-1	08/78	NA	<0.01	NA	NA

Table I-4.0-17
Spring Water Background Set
(Continued)

Trace Elements

Data Source	Rock Type	Name	Description	Sample Number	Date	NO2+NO3 as N	Map Number
Blake	Tschicoma	Apache Spring	Apache Spring	VA-350	05/19/87	NA	60
Dale	Tschicoma	Apache Spring	Apache Spring	SSite96-13	04/03/96	NA	NA
Dale	Tschicoma	Apache Spring	Apache Spring	VA-443	07/18/94	NA	NA
Shevenell	Tschicoma	Apache Spring	Apache Spring	VA-57	07/80	NA	51
nure	Bandelier Tuff	Pine Spring	Pine Spring	N10666	6/11/74	NA	NA
Blake	Bandelier Tuff	Pine Spring	Pine Spring	VA-356	05/23/87	66	NA
NMED	Bandelier Tuff	Pine Spring	pine spring (lower @ cabin)	NA	12/26/90	NA	NA
NMED	Bandelier Tuff	Pine Spring	Pine spring (tributary)	NA	12/26/90	NA	NA
NMED	Bandelier Tuff	Pine Spring	pine spring (upper)	NA	3/25/91	NA	NA
NMED	Bandelier Tuff	Pine Spring	pine spring (lower @ cabin)	NA	10/15/91	NA	NA
NMED	Bandelier Tuff	Pine Spring	pine spring (upper)	NA	10/15/91	NA	NA
Dale	Bandelier Tuff	Pine Spring	Pine Spring	VA-434	06/17/94	NA	NA
nure	Bandelier Tuff	Seven Springs	Seven Springs	N10841	6/21/74	NA	NA
Meeker	Bandelier Tuff	Seven Springs	Seven Springs	VC2B-28	6/28/84	NA	NA
Blake	Bandelier Tuff	Seven Springs	Seven Springs	VA-333	05/09/87	76	NA
Dale	Bandelier Tuff	Seven Springs	Seven Springs	SSite96-12	04/03/96	NA	NA
Shevenell	Bandelier Tuff	Seven Springs	Seven Springs	VA-134	05/83	NA	NA
Shevenell	Bandelier Tuff	Seven Springs	Seven Springs	VA-138	05/83	44	NA
Shevenell	Bandelier Tuff	Seven Springs	Seven Springs	VA-47	10/79	44	NA
NMED	Tschicoma	Upper Canyon de Valle	Upper Canyon de Valle	CDV-5.0	7/17/92	NA	NA
Blake	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	WCG	08/17/88	25	NA
Blake	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	PP93-27	05/19/89	25	NA
Dale	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	SSite96-14	04/03/96	NA	NA
Shevenell	Bandelier Tuff	Water Canyon Gallery	Water Canyon Gallery	LA-1	08/78	1	NA

Table I-4.0-17
Spring Water Background Set
(Continued)

Trace Elements

W. Blake trace element analyses values reported as mg/kg
Dale Misc. Environmental Samples Values reported as ppm
Meeker trace element analyses values reported as mg/kg
NMED trace element analyses values reported as mg/kg
Nure samples reported as ppb; converted to ppm
Shevenell trace element analyses values reported as mg/l
* for temp data recorded during low-flow conditions (NMED)

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LA-UR-98-4101
September 1998

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RFI Report for Potential Release Site

16-021(c)

Volume 3 of 3

Environmental Restoration Project
A Department of Energy Environmental Cleanup Program

Los Alamos
NATIONAL LABORATORY
Los Alamos, NM 87545

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APPENDIX J. RELEVANT DOCUMENTS

J-1.0 DOCUMENTATION OF REGULATORY HISTORY

J-1.1 Corrective Action History

The history of regulatory interaction concerning the TA-16-260 outfall site is extensive and has involved a close working relationship with EPA and NMED. This working relationship has included numerous site tours and briefings on the progress of investigations. A summary of the key corrective action interactions with the regulators is provided in Table J-1.1-1.

Table J-1.1-1
Corrective Action History Summary TA-16 260 Outfall, PRS 16-021(c)

Date	Description of Corrective Action Activity
July 1993	RFI Work Plan for OU 1082 submitted to EPA
7/18/94	DOE received letter from EPA describing NODs on the Work Plan (letter dated 7/13/94)
8/11/94	LANL sent letter to DOE responding to NODs received on the Work Plan, Part 1 – 30 day
8/17/94	DOE sent letter to EPA responding to NODs received on the Work Plan, Part 1
11/21/94	LANL sent letter to DOE responding to NODs received on the Work Plan, Part 2
11/30/94	DOE sent letter to EPA responding to NODs received on the Work Plan, Part 2
12/22/94	DOE received letter from EPA approving the Work Plan, Part 1
1/9/95	LANL received letter from DOE on approval of the Work Plan, Part 1
1/12/95	DOE received letter from EPA approving the Work Plan, Part 2
1/18/95	LANL received letter from DOE on approval of the Work Plan, Part 2
2/12/96	Interim Action Report for SWMU 16-021(c) submitted to NMED
2/16/96	IA Report re-submitted to NMED
9/17/96	DOE received letter from NMED recommending CMS for this site and requesting a CMS Plan submittal by October 1, 1996 (letter dated 4/3/96)
9/23/96	RFI Report for PRSs in TA-16, 16-003(k) and 16-021(c), submitted to NMED
9/26/96	LANL/DOE sent letter to NMED requesting permission to submit the CMS Plan following completion of the Phase II RFI Report for the site.
12/5/96	LANL/DOE received letter from NMED describing comments on RFI Report for Potential Release Sites in TA-16
1/9/97	LANL/DOE sent letter to NMED acknowledging 12/5/96 letter above
2/26/97	LANL/DOE sent letter responding to NMED comments on RFI Report for Potential Release Sites in TA-16
8/6/97	LANL/DOE received letter from NMED requesting supplemental information (RSI) on RFI Report for Potential Release Sites in TA-16 (letter dated 8/4/97)
8/26/97	LANL/DOE sent letter requesting extension for submittal of response to RSI on RFI Report for Potential Release Sites in TA-16
9/15/97	LANL/DOE received letter from NMED approving request for extension for submittal of response to RSI on RFI Report for Potential Release Sites in TA-16 (letter dated 9/11/97)
11/14/97	Response to RSI on RFI Report for Potential Release Sites in TA-16 submitted to NMED

Table J-1.1-1 (concluded)

Date	Description of Corrective Action Activity
1/26/98	LANL/DOE received letter from NMED approving RFI Report for Potential Release Sites in TA-16 upon modification (letter dated 1/20/98)
2/26/98	Response to Approval upon Modification RFI Report for Potential Release Sites in TA-16 submitted to NMED
3/31/98	LANL/DOE received letter from NMED approving RFI Report for Potential Release Sites in TA-16 (letter dated 3/26/98)

J-1.2 Other Regulatory Documents

None.

J-2.0 Referenced Documents

All referenced documents specific to this RFI report may be found in this section of the report. All other documents referenced in this report can be found in the ER Project Reference Library.

ER ID 57082.1

GROUP M-1 ANALYTICAL LABORATORY REPORT

Requester M. Barr

Lab. No. 21423

Sample HE contaminated soil from 260 pond

P.O./P.C. TIGR

Analysis Req'd RDX, HMX, TNT Content

Date Rec'd 7/2/91

Operator W. King

Reported 10/23/91

SAMPLE	% HMX	% RDX	% TNT
1 ft Left CL	2.64	0.80	0.07
20 ft CL	0.40	1.40	1.00
40 ft CL	0.10	0.01	< 0.01
45 ft Top of Pool	2.94	< 0.01	< 0.01
50 ft Center Pool	4.38	0.50	< 0.01
60 ft Center Pool	4.00	2.40	< 0.01
70 ft CL	3.90	5.18	0.60
80 ft CL	9.70	12.60	3.00
90 ft CL	13.25	13.47	2.00
110 ft CL	6.20	1.40	0.30
60 ft Left Edge	0.50	0.04	< 0.01
70 ft Left Edge	9.00	10.00	2.00
90 ft Left Edge	23.00	34.00	7.10

~~15-000380~~
ER ISO 57082.1

GROUP M-1 ANALYTICAL LABORATORY REPORT

Requester M. BARR ,WX-3 | Lab. No. 21453

Sample SOIL BEHIND BLDG. 260 | P.O./P.C. TIGR.

Analysis Req'd HMX, RDX, TNT, BARIUM | Date Rec'd 11/15/91

Operator W. King | Reported 2/7/92

SAMPLE	%HMX	%RDX	%TNT	%Ba
1 210' @ A	3.73	0.63	0.01	0.65
2 135' @ 2-B	2.09	0.19	0.03	0.35
3 91' Centerline - SP2 D	2.91	0.07 700	0.03	0.43
4 Burning Ground Upper C	0.11	0.11	<0.01	0.14
5 91' 13" deep edge 5"	9.24	15.52	9.34	0.33
6 91' ctr line 8" deep @	5.41	0.71	0.22	0.51
7 Burning Ground Lower G	0.08	0.05	0.01	0.14
8 91' ctr line Top ② J	6.68	0.96	<0.01	0.53
9 91' ctr line 13" deep ③ K	9.60	3.89	0.42	0.46
10 90' 1' from Stake H	5.63	1.97	0.03	0.85
11 91'-13 I	10.63	17.18	0.97	0.67

FORM GMX-3-307
Revised 1/21/63

Quality and Process Control Section
Analytical Laboratory Unit

~~46A00058~~ ER ID 58703

LABORATORY REPORT

REQUESTER: Jerry Buchholz, H-7

SAMPLE: Building TA-16-260, Effluent

ANALYSIS REQ'D: Ecology

OPERATOR: Herman E. Roybal

LAB. NO.: 8563

PO NO.: ID 900026

DATE REC'D: 8/4/72

REPORTED: 8/16/72

Sample	HMX-RDX (ppm)	TNT (ppm)	$Ba(NO_3)_2$ (ppm)		
6/30/72	0.0	13	1,587		
7/7/72	3.2	10	167		
7/14/72	3.0	10	196		
7/21/72	2.6	18	520		
7/28/72	2.1	13	228		
July Average	2.7	13	278		
8/4/72	2.5	8	371		
8/11/72	2.0	7	70		

REMARKS:

Ba LD = 800 mg

TABLE I

Analytical Results on TNT Wastes

Sample	Alpha TNT ppm	RDX ppm	Barium ppm	Dichromate Oxygen Cons. ppm	pH	ppm Nitrogen			
						NH_3	NO_2	NO_3	
Raw 2/6/53 (grab sample)	38	-	681	59	7.3	0.6	0.04	140	1
Raw 2/10/53 (grab sample)	90	-	677	140	7.2	0.3	0.2	128	1
Raw Composite 3/4/53 (Machining operation)	57	-	273	40	7.5	5.0	1.2	68	
Raw Composite 3/4/53 (Molding and casting operation)	96	-	149	148	7.0	0.3	4.8	29	
Raw 6/4/53 (Molding and casting operation - grab sample)	83	26	116	111	8.0	8.0	0.1	40	
Raw 2/18/54 (Molding and casting operation - grab sample)	19	4	60	13	8.3	0.0	0.0	16	
Raw 2/18/54 (Machining operation - grab sample)	110	36	1,380	95	7.8	0.2	0.05	220	2

FORM GMX-3-307
Revised 1/21/63

Quality and Process Control Section
Analytical Laboratory Unit

LABORATORY REPORT

REQUESTER	JERRY BUCHHOLZ H-7 TA-16 BLDG.340	LAB. NO.	8705
SAMPLE	EFFLUENT 9/29/72	PO NO.	ID-900026
ANALYSIS REQ'D	ECOLOGY	DATE REC'D	9/29/72
OPERATOR	HERMAN E ROYBAL	REPORTED	10/11/72

	TA-16 BLDG.340				
HMX-RDX CONTENT	NOT DETECTED, LESS THAN 1 PPM				
$Ba(NO_3)_2$ CONTENT	NOT DETECTED, LESS THAN 1 PPM				
T N T CONTENT	NOT DETECTED, LESS THAN 1.5 PPM				

REMARKS:

RESULTS OF EFFLUENT SAMPLING FROM

BLDG. 260 S-SITE JUNE - AUG 1972

VOLUMES

WEEK DAYS 5100 gal/day - 11,700 gal/day - AVG ~ 6000 gal

WEEK ENDS ~ 600 gal/day

AVERAGE WEEKLY FLOW 32,000 gal

ANALYSIS (GMX-3)

DATE	Ba (ppm)	CALCULATED Ba (lb/week)	TNT (ppm)	CALCULATED TNT (#/wk)	RDX + HMX (ppm)	CALC. HMX+ RDX (#/wk)
1 - 6/8	221	57	15	3.8	2	0.5
8 - 6/15	131	34	2	0.5	1.3	0.3
15 - 6/30	831	214	13	3.3	0	0
30 - 7/7	88	23	10	2.6	3	0.8
7 - 7/14	103	26	10	2.6	3	0.8

FORM GMX-3-307
Revised 1/21/63

Quality and Process Control Section
Analytical Laboratory Unit

LABORATORY REPORT

REQUESTER: JERRY BUCHHOLZ H-7
TA-16 BLDG 340

SAMPLE: EFFLUENT 9/7/72

ANALYSIS REQ'D: ~~ECLOL~~ ECOLOGY

OPERATOR: HERMAN E. ROYBAL

LAB. NO.: 8698

PO NO.: ID-900026

DATE REC'D: 9/8/72

REPORTED: 10/11/72

	TA-16 BLDG. 340				
HMX-RDX CONTENT	NOT DETECTED	LESS THAN 1 PPM			
$Ba(NO_3)_2$ CONTENT	NOT DETECTED	LESS THAN 1 PPM			
T N T CONTENT	NOT DETECTED	LESS THAN 1.5 PPM			

REMARKS:

Revised 1/21/63

Quality and Process Control Section
Analytical Laboratory Unit

LABORATORY REPORT

REQUESTER	JERRY BUCHHOLZ H-7	LAB. NO.	8700
SAMPLE	TA-16 BLDG.340 EFFLUENT 9/22/72	PO NO.	ID-900026
ANALYSIS REQ'D	ECOLOGY	DATE REC'D	9/25/72
OPERATOR	HERMAN E ROYBAL	REPORTED	10/11/72

	TA-16 BLDG.340				
HMX-RDX CONTENT	NOT DETECTED.	LESS THAN	1 PPM		
$Ba(NO_3)_2$ CONTENT	NOT DETECTED.	LESS THAN	1 PPM		
T N T CONTENT	NOT DETECTED.	LESS THAN	1.5 PPM		

REMARKS:

LASL-ERDA-OFFICIAL

ER-14 58848

Los Alamos
NATIONAL LABORATORY
memorandum

Chemical Science and Technology
Responsible Chemistry for America

Environmental Restoration Project/CST-18
Los Alamos, New Mexico 87545

To/MS: Distribution
Thru: Roy Michelotti, CST-18, MS E525
From/MS: Don Hickmott, EES-1, MS E525
Phone/FAX: 7-8753/5-4632
Symbol: ER-DH-96-17
Date: November 18, 1996

Modifications to DQOs for PRS 16-021(c) SAP

The recent discovery of 5 ppm RDX at a depth of 70' in the core hole to the south of the pond at PRS 16-021(c) in the geophysical anomaly suggests that the original SAP DQOs should be modified. Based on our discussions of last week, we recommend:

- that all core holes be drilled to the depth of the base of the thick surge beds (70 ft or less). This level is currently assumed to be the unit 3-unit 4 contact. The rationale for this change is to define the level of contamination in this geologic unit, which appears to be a pathway for RDX contamination. The laboratory sample proposed for the bottom of each hole should be from this unit (with the exception noted below).

- that the hole in the center of the pond be drilled 10 ft deeper than the base of the surge bed, and that both the surge bed interval and the deepest interval be submitted for laboratory analysis. Each interval should also be analyzed by D-Tech RDX analysis per the SAP. These samples are designed to determine whether the unit beneath the thick surge beds is contaminated with HE, or whether is was impermeable to downward migration of COCs. Note that these samples should not be drilled if any significant concern remains about drilling-induced contamination of the unit beneath the surge bed.

- Locate the additional hole on the pond bounding traverse at a distance of 20 ft from the hole in which the contamination at 70 ft was found. This bounding hole should also be located in the geophysical anomaly that was used to site the first hole. Plan on completing this core hole as a potential monitoring well (screen the surge bed region). Note that if no contamination is found within the surge bed in this hole, then this decision to complete the hole as a well will be reconsidered. Unless drilling within the outfall channel goes extremely well this fall, this hole will be the first hole drilled when the drilling campaign resumes again in spring 1997.

If you have any questions please contact Don Hickmott (7-8753) or Roy Michelotti (5-7444)

Distribution:
Lynn Kidman, ICF Kiaser, MS M892
Peter Gram, ICF Kaiser, MS M892

ER-ID 58849

DRAFT

To: Peter Gram
From Donald Hickmott

SUBJECT ADDITIONS & MODIFICATIONS TO SAP FOR TA-16-260 HYDROGEOLOGIC HOLES

Based on the discussions at the readiness review for the TA-16-260 hydrogeologic drilling, I believe that we should take the following additional samples:

- An additional D-Tech RDX screening sample in each 5 ft core interval in the 200 ft hydrogeologic holes. These should be biased to any obvious potential transport pathways such as fractured areas, surge beds, etc.
- Additional lab samples in the 200 ft hydrogeologic holes. Any positive D-Tech intervals should be sampled. As a default take a maximum of 3 per borehole - if more than 3 positives occur we should probably consult the decision team. If no positive intervals are found, we should take lab samples in surge beds and fractured intervals (maximum of 3).
- An additional D-Tech RDX screening sample in each 2 ft interval in the alluvial holes. These should be biased to any obvious possible flow paths (e.g. units above aquitards etc.).
- Additional lab samples in the alluvial holes. Any positive D-Tech intervals should be sampled. As a default take a maximum of 3 per borehole - if more than 3 positives occur we should probably consult the decision team. . If no positive intervals or geologic features that would otherwise suggest a biased lab sample location are found, we should take lab samples (1) at the soil-tuff interface; and (2) at a depth of 5 ft. All lab samples will be for HE, TAL metals, SVOCs, and VOCs.

As was noted during the readiness review, the following deviations from the sampling and analysis plan will probably be required, based on known logistical difficulties with drilling at TA-16.

- Deep boreholes (200 ft) will probably have to be cased as they are drilled. Experience drilling in the TA-16-260 outfall areas suggests the boreholes will collapse in surge beds and poorly-welded tuff units if boreholes are drilled uncased, as specified in the SAP. Because, the boreholes will be cased, teleview logs cannot be completed. In lieu of teleview logs, full core recovery will be completed (as recovery allows) on all boreholes, and geologic logs will be completed of the cores.

cc.
FU 3 QA files
Lynn Kidman
Steve Yanicak

Post-it® Fax Note 7671	Date	# of pages ▶ 1
To Peter Gram	From Don Hickmott	
Co./Dept. ICF	Co. LANL	
Phone #	Phone #	
Fax #	Fax #	

9/8/97

ER-IO 58850

TELECONFERENCE NOTES

TO: Teri Davis
ORGANIZATION: HRMB
PHONE: 827-1561

FROM: P.Shanley
ORGANIZATION: ESH-19
PHONE: 667-0819/667-0663

DATE: 11/27/96
Time: 11:50 am

OTHER PARTIES: Dave McInroy

DISCUSSIONS: Teri Davis was contacted to provide a "heads up" on the postive HE spot test results from the drilling currently being conducted at TA-16. The surge bed encountered during drilling was found to be moist and the HE field test responded strongly. D. McInroy indicated that receipt of fixed Lab analytical is anticipated next week. If analytical data indicate a groundwater standard or SAL has been exceeded, LANL will notify per Module VIII requirements. T. Davis asked several highly speific questions which we could not answer. D. Mcinroy requested that T. Davis contact Don Hickmott for site specific questions.

ACTION ITEMS: Check analytical data when available to determine if SALs or groundwater standards exceeded

DISTRIBUTION:
T. Taylor, LAAO, MS A316
B. Koch, LAAO, MS A316
D. McInroy, EM/ER, MS M992
T. Glatzmaier, DDEES/ER, MS M992
D. Hickmott, EES-1, MS D462
R. Michelotti, CST-18, MS E525
M. Alexander, ESH-18, MS K497

ER ID 58851

ER PROJECT
TELECONFERENCE NOTES

TO:	Kim Hill	**FROM:**	Donald Hickmott	**DATE:**	4/28/98
ORG:	DOE-LAAO MS E517	**ORG.:**	EM-ER	**TIME:**	4:00

OTHER PARTIES: None

Discussion:

Don called to inform HRMB that water had been found at borehole 16-2712, located at the TA-16-260 outfall at a distance of ~ 360 ft down gradient from the outfall. Don noted that the borehole had been producing water at a slow rate for week. The water is being sampled for laboratory analysis as the borehole fills. Kim suggested that LANL provide the water data when it is received from the laboratory.

Actions Items:

LANL will provide the lab data when it is received from the laboratory and QA is complete.

Distribution:
J. Mose, DOE-LAAO, MS A316
L. Kidman/P. Gram, ICF Kaiser, MS M892
D. McInroy, EM-ER, MS M992
T. George, EM-ER, MS M992
R. Michelotti, EM-ER, MS E525
D. Hickmott, EM-ER, MS E525
QA File

Don -
I suggest you add AJP and possibly ESA to the distribution for these telecons.
Roy

ER IP 58852

ER PROJECT
TELECONFERENCE NOTES

TO:	John Kieling	**FROM:**	Don Hickmott	**DATE:**	March 17, 1998
ORG.:	NMED/HRMB	**ORG.:**	EES-1	**TIME:**	8:00 a.m.

OTHER PARTIES: None

DISCUSSION:

Don called to follow-up on Dave McInroy's call of the previous week in which LANL had informed HRMB that water had been found in the hydrogeologic borehole near the 90s Line Pond at TA-16.

Don noted that the borehole contained a small amount of water at a depth of approximately 140 ft. He suggested that the drilling team would advance the borehole another 10 to 15 ft (hoping to approach the Unit 3/4 contact) then complete a screened well. John Kieling agreed that this was a reasonable approach.

Don also inquired whether John and other HRMB participants would be attending the ITRD meeting later in the week.

ACTION ITEMS:

None.

DH:jgr

Distribution:

B. Koch, LAAO, MS A316
D. McInroy, EM/ER, MS M992
J. Mose, LAAO, MS A316
V. George, EM/ER, MS M992
R. Michelotti, EM/ER, MS E525
L. Kidman, ICF Kaiser, MS M892
P. Gram, ICF Kaiser, MS M892
D. Hickmott, EES-1, MS E525
QA File

Sent 12/8/97
ER IP 58853

FAX SHEET

Field Units One and Three
Environmental Restoration & Project Management
Los Alamos National Laboratory
P.O. Box 1663 MS E525
Los Alamos, NM 87545
(505)667-6080 FAX (505)665-4632

To: John Kieling

Company: NME/HRMB

FAX Number: 827-1544

From: Don Hickmott

Number of page to follow: 1

Comments: For your records.

If there are any problems with this transmission, please call Carmella at (505)667-6080

ER PROJECT
TELECONFERENCE NOTES
RECORD OF COMMUNICATION

TO:	John Kieling	FROM:	Donald Hickmott	DATE: 12/1/97
ORGANIZATON:	HRMB	ORGANIZATION:	EES-1/FU 3	TIME:10:30 & 3:30

OTHER PARTIES None

DISCUSSION:*

Don called to discuss siting the next 200 ft. hydrogeologic borehole for the TA-16-260 investigations.

Don noted that the borehole at the Martin Spring area had gone dry. He also indicated that the field team would probably have to move their drill rig within the next few days. Don indicated that the FU 3 team wanted to locate the next borehole within the same geophysical anomaly as the Martin Spring hole, preferably within the SWSC cut, if that location was logistically possible. John requested a map showing the proposed location. Don faxed this to John.

In a follow-up call later the same day, John indicated that the new location was acceptable and requested a record of communication documenting this phone interaction.

ACTION ITEMS:

LANL will fax a map to HRMB of the proposed location.

FU 3 will provide a Record of Communication documenting this telecon

DISTRIBUTION:
T. George, EM/ER, MS M992
T. Glatzmaier , DDEES/ER, MS M992
P. Gram, ICF KAISER, MS 892
D. Hickmott, EES-1/FU 3 MS D462
L. Kidman, ICF KAISER, MS 892
J. Kieling, NMED-AIP
B. Koch, LAAO, MS A316
D. McInroy, EM/ER, MS M992
R. Michelotti, CST-7, MS E525
J. Mose, LAAO, MS A316
P. Shanley, ESH-19, MS K498
QA FILE

12/1/97

FAX SHEET

Field Units One and Three
Environmental Restoration & Project Management
Los Alamos National Laboratory
P.O. Box 1663 MS E525
Los Alamos, NM 87545
(505)667-6080 FAX (505)665-4632

To: John Kieling

Company: HRMB

FAX Number: 827-1558

From: Don Hickmott

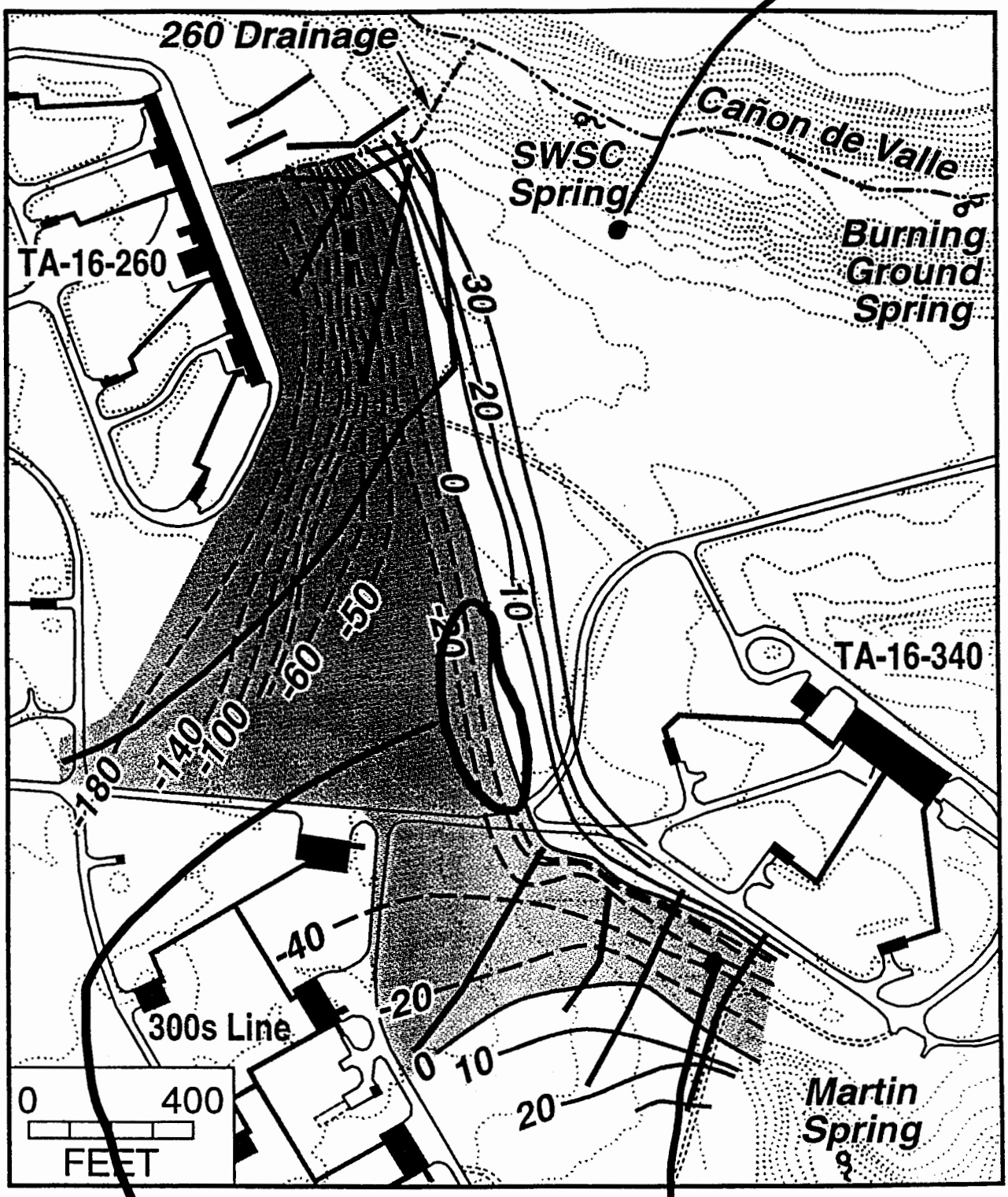
Number of page to follow: 1

Comments: (665-1116 #)

If there are any problems with this transmission, please call Carmella at (505)667-6080

approx. loc. of SWSC borehole

TA-16-260 Geophysics—Self Potential



Self-potential (milli-volts)

Traverse line

Anamolous zone

Possible location for next borehole

Approx. loc. of "wet" borehole

ER ID 58854
~~HS0906578~~

FAX SHEET

Field Units One and Three
Environmental Restoration & Project Management
Los Alamos National Laboratory
P.O. Box 1663 MS E525
Los Alamos, NM 87545
(505)667-6080 FAX (505)665-4632

To: John Kieling/Kim Hill/John Young

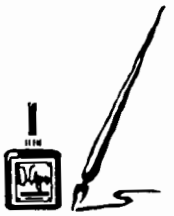
Company: HRMB

FAX Number: 827-1544

From: Don Hickmott

Number of page to follow: 4 total

Comments: John, Could you guys look over these telecon notes. Please fax back any changes.
Thanks Don



If there are any problems with this transmission, please call Carmella at (505)667-6080

DRAFT

ER PROJECT
TELECONFERENCE NOTES

TO:	Kim Hill	**FROM:**	Donald Hickmott	**DATE:**	10/17/97
ORGANIZATON:	EPA	**ORGANIZATION:**	EES-1/FU3	**TIME:**	10:30

OTHER PARTIES _____

DISCUSSION:

Kim called to discuss the DRAFT memorandum (Subject: Geologic core logs for boreholes located at PRS 16-021(c) & revised borehole locations) that had been faxed to John Kieling on 10/16/97. This fax had been promised to HRMB during an FU 3 presentation to HRMB on 10/9/97.

The principal discussion topic was the location of the boreholes. Kim noted that the proposed locations were slightly different from those presented in the handout of 10/9/97. Don agreed. The FU 3 team had discussed those locations and proposed moving them further out from the highly contaminated region. The rationale for placing these boreholes remained the same - tracing pathways of contamination in a subsurface downgradient direction - but it was hypothesized that more information would come from more widely-spaced boreholes than from those that had been originally proposed.

Kim agreed with the new proposed locations.

ACTION ITEMS:

FU 3 will locate the final 3 boreholes at the TA-16-260 outfall at the locations provided in the fax of 10/16/97. This map is provided as an attachment to this telecon.

DISTRIBUTION:

T Glatzmaier, EESDO/ER, MS M992
P. Gram, ICF Kaiser, MS M892
D Hickmott, EES-1, MS E525
L. Kidman, ICF Kaiser, MS M892
D. McInroy, EM/ER, MS M992
R. Michelotti , CST-7, MS E525
Joe Mose, LAAO, MS A316
P Shanley, ESH-19, MS 498
QA File

D. McInroy, EM/ER, MS M992
R. Michelotti , CST-7, MS E525
Joe Mose, LAAO, MS A316
P Shanley, ESH-19, MS 498
QA File

ER_IP 58859

ER PROJECT
TELECONFERENCE NOTES

TO:	John Kieling	**FROM:**	Donald Hickmott	**DATE:**	10/25/97
ORGANIZATON:	EPA	**ORGANIZATION:**	EES-1/FU3	**TIME:**	10:30

OTHER PARTIES Lynn Kidman, Peter Gram, Donna Sharp, John Young, Kim Hill

DISCUSSION:

LANL representatives discussed the recent (week of 10/20) discovery of water at borehole located upgradient from Martin spring.

Peter gram described the lithology and hydrology of the borehole:

The hole contains a surge bed from ~68 to ~70 ft. depth. A fracture zone is present from ~70-72 ft. Fractures are wet in this interval with apparent saturation at the bottom of the interval. A less fractured zone extends to the bottom of the hole.

Water was found to a depth of 113.2 ft. on 10/22/97. By 10/23/97, the depth to water was 118.9 ft. to water.

These data are somewhat confusing. It is not clear within which unit the water is being produced and to what degree water is draining from the bottom of the hole.

The technical issue to be determined was where the screened interval should be in the borehole.

FU 3 suggested that the current borehole should be screened from the bottom of the borehole to a depth ~74 ft. A second borehole should be drilled adjacent to the first, and be screened from a depth of ~72 ft. to ~68 ft. to overlap the surge bed interval. NMED representatives were in general agreement with this approach although further discussion will occur during a site tour on 10/24/97.

ACTION ITEMS:

FU will provide a site tour and a tour of the drill site to HRMB on 10/24/97. Drill core will be available for viewing at that time.

FU 3 will begin drilling a second borehole adjacent to the first borehole. Much of this drilling should be completed by the time of the site tour.

The screening interval depth in the first borehole will be finalized on the site tour

Distribution:
T Glatzmaier, EESDO/ER, MS M992
P. Gram, ICF Kaiser, MS M892
D Hickmott, EES-1, MS E525
L. Kidman, ICF Kaiser, MS M892

D. McInroy, EM/ER, MS M992
R. Michelotti , CST-7, MS E525
Joe Mose, LAAO, MS A316
P Shanley, ESH-19, MS 498
QA File

ERID 5 88

Kim, Here are:

1) a copy of the SAP additions/modifications memo that I promised you (Let me know if you need this as a formal transmittal).

2) a DRAFT of the notes for our telecon.

3) the last 2 sets of our minutes (Let me know if you want older ones as well(.

Please review the telecon notes, and provide any comments/feedback. I'll plan on sending these out 'officially' early next week. If you have any questions, please give me a call. Thanks in advance. Don

Post-it® Fax Note 7671	Date 9/11	# of pages ▶ 13
To Kim Hill	From D. Hickmott	
Co./Dept. HRMB/EPA	Co. LANL	
Phone #	Phone # 665-1116	
Fax # 827-1544	Fax # 665-4632	

DRAFT

ER PROJECT
TELECONFERENCE NOTES

TO:	Kim Hill	**FROM:**	Donald Hickmott	**DATE:**	9/9/97
ORGANIZATON:	EPA	**ORGANIZATION:**	EES-1/FU3	**TIME:**	11:00

OTHER PARTIES NONE

DISCUSSION:
1) Kim provided her fax number.

2) Don requested that the bioremediation presentation on September 25 be scheduled for 45 minutes. It was agreed that the time for the presentation would be 2:30 P.M.

3) Don reported that bromide tracer had been observed in SWSC Line spring during early August. He noted that several days worth of samples of that spring had been missed following the bromide breakthrough due to an autosampler malfunction.

4) Don noted that the hydrogeologic drilling outlined in the PRS 16-021(c) phase II SAP was going to start within the next 2 weeks. Both alluvial boreholes and deep hydrogeologic boreholes are scheduled. He noted that additional samples would be taken beyond what is outlined in the SAP, and that drilling would have to be completed cased, rather than uncased. Kim requested that this information be provided as a faxed memo.

5) Specific comments in the PRS 16-021(c) RFI Report SI request were discussed:

- Don inquired about RPMP's request for updates and addendums of PRS 16-021(c) results. Kim indicated that the current interaction (presentations and meeting minutes) was a good start. Don agreed that this would continue and that additional hard-copy information would also be provided.

(Continued on page 2)

ACTION ITEMS:

1. Don will fax the last 2 months worth of FU 3 minutes and the memo describing additions and modifications to the TA-16-260 field campaign to Kim.

2. LANL will respond to the questions that were discussed in a manner consistent with the discussions.

DISTRIBUTION:
T. Glaztmaier, DDEES/ER, MS M992
D Hickmott
B. Koch, LAAO, MS A316
R. Michelotti
J. Mose, LAAO, MS A316
D. McInroy, EM/ER, MS M992
P. Shanley, ESH-19, MS K498
QA File

Discussion (Continued)

DRAFT

- Comment 5.b was discussed. Kim indicated that HRMB wanted analytical methods, detection limits, etc. for all analytes, not just TATB. LANL will provide this in the response.
- Comment 10(a) was discussed. Don noted how LANL archives QA/QC data in FIMAD (based on Kathy Campbell's notes). Kim indicated that an acceptable response would: 1) reiterate what LANL does; 2) describe why we do it this way (cite SOPs and procedures if possible) and 3) indicate where this process is going (i.e. to DEEMS).

- Comment 10(b) was discussed. Don noted the rate at which FU 3 had collected field duplicates during the sampling at PRS 16-021(c). There was a discussion of the LANL philosophy for collecting field duplicates. Don noted that FU 3 typically collects field duplicates at a rate significantly less than 10%. It was noted that this was a programmatic issue. Kim indicated that an acceptable response to this comment would 1) describe what we did for field duplicates; and 2) indicate why we collected the number of field duplicates that we did.

- Comment 12 was discussed. Don suggested that the information requested was extractable from existing figures (e.g. Figure 5.2.4.1). Kim indicated that a new figure did not have to be generated. Kim requested that section 5.0 cite Appendix A as the location of all of the analytical data. LANL will do this in the response.

- Comment 18 was discussed. Don inquired about the request for an errata sheet. Kim indicated that the normal NOD response format would be adequate.
- Comment 21.a. was discussed. Don noted that the request (include all constituents with normalized concentration greater than 0.1 in a risk assessment) was contrary to project-wide guidance on MCEs. This was identified as a programmatic issue. Don agreed that the response would: 1) note that this method of performing MCEs was contrary to programmatic guidance; but 2) FU 3 would do this for the purposes of this response. It was noted that this discussion applied to several comments in this SI request.

- Comment 28 was discussed. Don noted that this request was inconsistent with the current RFI report guidance. He provided a rationale for why the table is set up the way it is — in many cases individual request numbers will include PRSs which are not included in the report. Kim indicated that HRMB would like to receive the table. LANL will provide it in the response.

- Comment 29 was discussed. Kim noted that this comment requested a cation sum/anion sum comparison. Don noted that this information was available in Table C-8. Kim agreed that the response should cite that table.

- Comment 31.a. was discussed. Kim noted that the comment should address paragraph 4 on page C-6. Don noted that the response would be couched in terms of drinking water standards rather than SALs, and that note of this would be made in the introduction to the response.

It was noted that several of the discussed SI request comments (and some that had not been discussed) had project-wide implications. Don stated that FU 3 would identify in the SI request response those comments that FU 3 felt had project-wide implications, in order to help focus upcoming discussion between LANL and HRMB.

ER-ID 58857

University of California
Environmental Restoration Project, MS M992
Los Alamos, New Mexico 87545
505-667-0808/FAX 505-665-4747

U. S. Department of Energy
Los Alamos Area Office, MS A316
Environmental Restoration Program
Los Alamos, New Mexico 87544
505-667-7203/FAX 505-665-4504

Date: July 3, 1997
Refer to: EM/ER:97-176

Mr. Benito Garcia
NMED-HRMB
P.O. Box 26110
Santa Fe, NM 87502

SUBJECT: MINUTES FOR MONTHLY MEETING WITH HRMB

Dear Mr. Garcia:

Enclosed please find a copy of the minutes pertaining to the Environmental Restoration (ER) portion of the meeting held in Santa Fe on April 15, 1997, with members of your staff and personnel from Los Alamos National Laboratory's ER Project. The minutes have been reviewed by your staff.

Should you have any questions, please call Dave at (505) 667-0819 or Joe at (505) 667-5808.

Sincerely,

David McInroy, Compliance Manager
LANL/ER Project

Sincerely,

Joe Mose, Compliance Manager
DOE/LAAO

DM/JM/ss

Enclosure: April 15, 1997, Monthly Meeting Minutes with HRMB

Cy (w/ enc.):
W. Cox, SNL
M. Ebinger, EES-15, MS J495
J. Ellvinger, ESH-19, MS K490
R. Ferenbaugh, EES-15, MS J495
T. Glatzmaier, DDEES/ER, MS M992
D. Griswold, AL-ERD, MS A906
D. Hickmott, EES-1, MS D462
J. Jansen, EM/ER, MS M992
J. Plum, LAAO, MS A316
P. Shanley, ESH-19, MS K498
T. Taylor, LAAO, MS A316
T. Todd, LAAO, MS A316
EM/ER File, MS M992
RPF, MS M707

T. Davis, NMED-HRMB
S. Dinwiddie, NMED-HRMB
K. Hill, NMED-HRMB
J. Kieling, NMED-OB
J. Parker, NMED-OB
B. Toth, NMED-HRMB
J. Young, NMED-HRMB
D. Wilburn, NMED-HRMB

Cy (w/o enc.):
T. Baca, EM, MS J591
G. Rael, DOE-AL, MS A906
J. Vozella, LAAO, MS A316
EM/ER File, MS M992

New Mexico Environment Department (NMED) and Los Alamos National Laboratory (LANL) Environmental Restoration (ER) Project
Meeting Minutes
April 15, 1997

Attendees:
NMED: Teri Davis, John Kieling, Stu Dinwiddie*, John Young, Kim Hill (EPA); Barbara Toth*, Diane Wilburn*
LANL: Joe Mose (DOE), David McInroy (UC), Pat Shanley (UC/ATK), Don Hickmott (UC)*
* Present only during some meeting segments

Agenda Item 1: Presentation From Field Unit 3

Don Hickmott provided a handout for his presentation describing the current status and future work planned at PRS 16-021c (TA-16, Building 260 Outfall). D. Hickmott indicated that the additional work that is being conducted at this investigation area is an enhancement of the existing SAP. He stated that the next three boreholes would be based on recent data from geophysical investigations as well as existing information. NMED indicated that they might be inclined to wait until all geophysical data is available prior to finalizing the selection of the borehole sites.

The need to address the changes to the current sampling and analysis plan were discussed. LANL expressed an interest in providing frequent oral updates to NMED on sampling decisions and how the field unit team was determining the next investigation step. NMED indicated that LANL may need to formally submit something to them to document the changes occurring to the investigation approach.

D. Hickmott indicated that a Notice of Intent for discharge of water at the outfall to support bioremediation will be submitted soon to the Surface Water Quality Bureau by ESH-18. In situ bioremediation was not proceeding at the pace FU 3 had anticipated due to the inability of the LANL principal investigator to commit time to the project.

D. Hickmott distributed EPA papers on HE field analytical methods and HE sampling.

Action Item: HRMB indicated that they will contact FU 3 Project Leader, Roy Michelotti, if they determine a SAP or SAP addendum is required.

Later in the meeting, this item was revisited and NMED indicated they believed a new SAP was necessary according to the new accelerated cleanup process. Dave McInroy will review the language in the Accelerated Corrective Action Process and contact D. Hickmott to determine if a new SAP or modifications are necessary.

Agenda Item 2: FY98 Priority Activities

LANL provided a draft list of the ER 1998 priority activities. The information is provided to NMED to facilitate their determination for NMED 1998 work priorities. LANL emphasized that the identified activities are draft and LANL is in the early stage of baseline development.

LANL explained that the 1998 Baseline must be submitted to DOE by July 1, 1997. The disconnect between LANL's submittals to NMED and NMED's 1997 grant commitments with EPA was briefly addressed. The problem remains that LANL puts a baseline of activities for the next year's budget together after the date NMED needs to select grant commitments. LANL reiterated that the baseline is often not finalized for many months after it is submitted, which may result in work scope changes.

NMED expressed appreciation for receiving the proposed work information. LANL indicated that they will strive to provide information on the proposed 1998 Accelerated Actions to facilitate selection of NMED's 1998 priority work. NMED and LANL will strive to ensure that grant commitments are not selected for low priority work that could be delayed in the FY98 baseline.

Agenda Item 6: Clarification of Recently Used Terminology

This agenda item was moved up in the meeting sequence to allow for S. Dinwiddie's participation.

LANL requested clarification on several terms used in letters received from HRMB in the recent past. The first issue was the use of the omnibus provision. P. Shanley indicated that LANL believed that a permit condition needs to be written to incorporate any new requirements. HRMB indicated that the requirement to follow other regulations is present in the permit. The second issue addressed was the use of the term "RCRA-regulated" in relation to a SWMU. HRMB and LANL agreed that the term is specific to land-based units that generally require ground water monitoring and that not all SWMUs are RCRA-regulated units. The final issue discussed was the requirement in a recent NOD that RFI Reports be stand-alone documents. K. Hill clarified that it is not appropriate for reports to reference a reviewer to another document for information like site history or environmental setting. The RFI Report should, at a minimum, present the information in an abbreviated manner and then reference the reader to another document.

P. Shanley provided the text of the HRMB correspondence and some applicable Federal Register pages.

Agenda Item 3: Definitions of Stabilization Activities

LANL provided a one page flow diagram of their interpretation of stabilization activities which had stabilization broken into two main divisions: best management practices and interim measures. Discussion on this topic led to the identification that LANL and HRMB disagree as to the requirements identified in Section J, Interim Measures of Module VIII. LANL indicated that NMED's view that LANL must notify of routine construction work in a SWMU was contrary to the way past work had been conducted under EPA oversight and that LANL's understanding had of the requirements for routine construction in a SWMU had been submitted to HRMB.

Action Item: P. Shanley will fax LANL letter on routine construction in SWMUs to HRMB.

Dave McInroy distributed a Draft Stabilization Process document which consists of text on when to implement a BMP or interim measure along with a flow diagram. NMED indicated that they believed actions such as debris pickup should not be a BMP but would be an interim measure. Discussion on the differences between BMPs and IMs continued.

Action Item: HRMB will review the draft stabilization document and provide comments to LANL by next month's meeting.

Agenda Item 4: FY97 Accelerated Cleanups

D. McInroy provided copies of one table identifying all planned VCAs and VCMs for this year and the fact sheets for all the VCA/VCMs. HRMB stated their appreciation for the information. NMED will review the fact sheets to determine which VCAs they need presentations on. NMED expressed an interest to see the same type of information for 1998 to help determine grant commitments. D. McInroy indicated that LANL will put as much information on this together as they can by next months meeting. Caution on the possibility that the FY98 VCAs may change was provided by J. Mose. Change is likely because the baseline for 1998 is not yet set and may not be approved for many months.

Action Item: NMED will review 1997 VCA Fact Sheets. NMED will notify LANL one week prior to the next meeting of any VCA presentations needed for that meeting.

Action Item: D. McInroy will provide a list of "reasonably certain" VCAs for 1998 by next month's meeting.

Agenda Item 5: EPA Visit

LANL requested NMED input on the agenda for the upcoming EPA visit. NMED indicated that they would be having an NMED/EPA only meeting on April 21 p.m. and April 22 a.m. NMED indicated that they understood that the agenda had already been set between EPA and LANL. LANL indicated this had not been accomplished. NMED indicated the following area of interest: MDAs at TA-21 (A, B, U, and V) and TA-16 (R, and T), TA-50 MDA C; and the TA-73 Airport Landfill. NMED and LANL will determine a schedule over the next week which will determine whether sites will be visited prior to or after an NOD discussion.

Action Item: NMED will contact EPA and let LANL know the agenda items as soon as possible.

Other Items:

The need for a meeting prior to responding to the NOD for TA-18/27 was identified. Kim Hill indicated that she was available to meet with LANL during the morning of April 21.

Action Item: D. McInroy and J. Mose will coordinate with LANL staff to arrange the meeting.

The meeting minutes were revisited and the following action items were assigned.

Action Item: D. McInroy will revisit the criteria for revising or writing a new SAP with FU 3 on the TA-16 260 outfall work. A new SAP may be needed.

Action Item: D. Hickmott will inform T. Davis on the material that was used to plug borehole 2707.

The next meeting is scheduled for May 13 at 8:30.

ER ID 58858

FAX SHEET

Field Units One and Three
Environmental Restoration & Project Management
Los Alamos National Laboratory
P.O. Box 1663 MS E525
Los Alamos, NM 87545
(505)667-6080 FAX (505)665-4632

To: John Kieling

Company: NMED/HRMB

FAX Number: 827-1544

From: Don Hickmott

Number of page to follow: 9

Comments:

If there are any problems with this transmission, please call Carmella at (505)667-6080

DRAFT

INFORMAL MEMORANDUM

TO: John Kieling (NMED/HRMB)
FROM: Roy Michelotti (LANL/FU 3)

SUBJECT: GEOLOGIC CORE LOGS FOR BOREHOLES LOCATED AT PRS 16-021(C) & REVISED BOREHOLE LOCATIONS

As you requested in our meeting of 10/9/97, attached are a map showing borehole locations at the TA-16-260 outfall and preliminary geologic logs for three borehole locations, 16-2701, 16-2735/2705 and 16-2736/2708. All three of these boreholes are located in the easternmost geophysical anomaly observed in the outfall area. Note that 16-2736 and 16-2708 are co-located. Drill rod was 'hung up' in 16-2708, so 16-2736 had to be drilled adjacent to that hole. Boreholes 16-2705 and 16-2735 are also co-located, with 16-2705 started last fall and extended to a depth of 15 ft and 16-2736 continued at the same location this summer. These boreholes are relevant to re-siting the final borehole locations that will be completed at PRS 16-021(c). Please note that these logs are preliminary logs of these boreholes based on field observations. Notes on these boreholes are provided below:

- These logs are provisional. All core from these boreholes will be examined and assessed using more precise methods by a geologist who is an expert on extrusive volcanic rocks. The borehole logs will then be revised. The current borehole that the field team is working on, 16-2701, has not yet been logged into draft form. Data shown on the logs is based on quantitative field screening (D-Tech). Interpretations will change as laboratory data is received and incorporated.

- There appears to be a contaminated surge unit that extends to a depth of ~ 7475 ft MSL in all three boreholes, although poor recovery on borehole 16-2735 makes interpretation difficult in this borehole. It is FU 3's current hypothesis that the geophysical anomaly noted in this area may be related to this surge unit and that this surge unit represent a 'fast pathway' for contaminant migration. Note that borehole 2706 (log not provided) does not contain this surge bed interval.

- Contamination appears to be higher in the central (16-2735) and southern (16-2736) boreholes on this traverse. During our presentation last week, we had suggested that the northern borehole (16-2701) was uncontaminated. Further drilling and D-Tech analyses last weekend revealed low-ppm-level HE at depths of 28.5-29.5, 58.0-59.0, and 69.25-69.75 ft. This observation supports a conceptual model in which the downgradient subsurface direction is to the southeast.

- Although there appears to be a correlation between mapped 'fast pathways' such as surge beds and fractures with HE contamination in many cases, low level contamination is also seen in welded tuff in zones where no obvious structural controls are observed.

As discussed in the meeting of 10/9/97, FU 3 would like to place 2 upcoming boreholes: 1) in the eastern geophysical anomaly downgradient from the highly contaminated area (location 1 on the map); 2) outside that geophysical anomaly downgradient from the highly contaminated area (location 2 on the map). These holes will help confirm that the geophysical anomalies are correlated with surge units and will provide information on the

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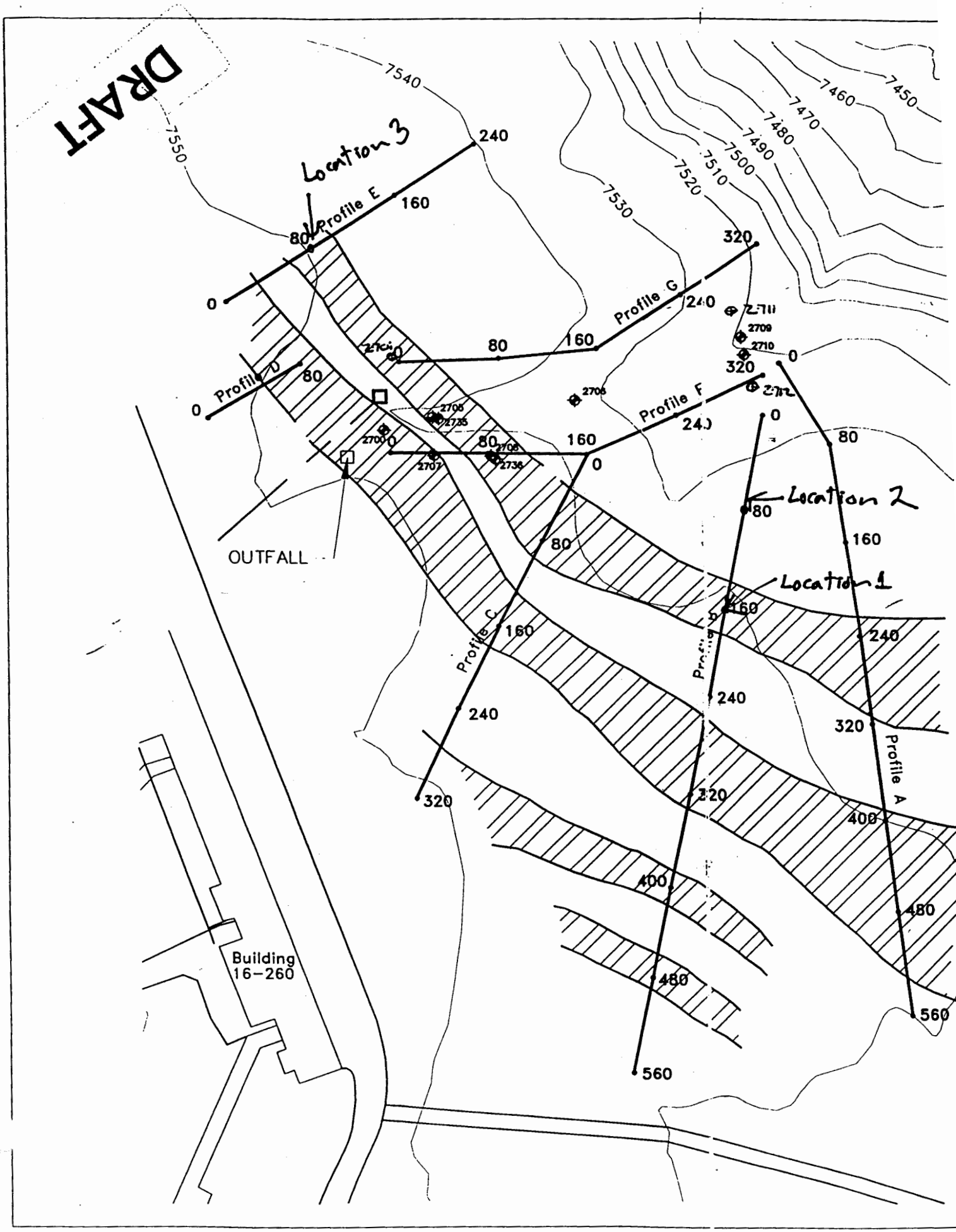
extent of contamination in the surge unit. Our current thinking is that if the borehole at location 2 supports the hypothesis of a continuous surge sequence and is clean, then fracture flow would be the dominant contaminant pathway to the springs. We would then site another borehole in the anomaly closer to the highly contaminated region to better bound contamination in the surge bed.

In the meeting of 10/9/97, FU 3 indicated that a contingent bounding borehole on the north side would not be drilled, because at that time borehole 16-2701 appeared to be clean. Because we have found low levels of HE in that borehole, we now propose to drill an additional borehole in the eastern geophysical anomaly on the north side of the highly contaminated region (location 3 on the map).

Please examine these logs and determine whether you agree that these are reasonable locations for upcoming boreholes. We will be moving the drill rig to location 1 this weekend. These locations are placed along geophysical measurement traverses to avoid dependence upon estimates of anomalous areas between the traverses. We would be glad to discuss this information with you either by phone (Roy Michelotti at 665-7444 or Donald Hickmott at 667-8753) or in association with the bioremediation presentation that is scheduled for tomorrow.

cc. Dave McInroy
FU 3 QA file


DRAFT
Location 3
Location 2
Location 1
Profile A
Profile B
Profile C
Profile D
Profile E
Profile F
Profile G
OUTFALL
Building
16-260
7540
7550
7530
7520
7510
7500
7490
7480
7470
7460
7450
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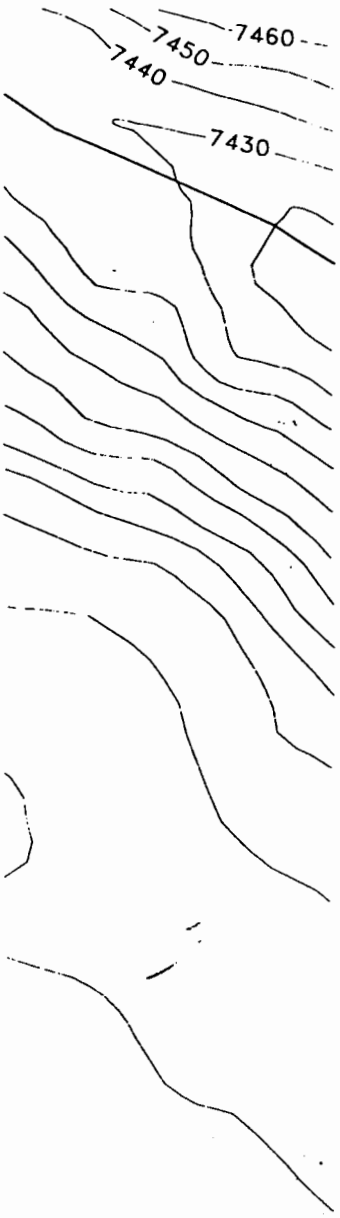

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SCALE: 1" = 100'

LEGEND

- Resistivity Profile
- 80 — Distance (feet) Along Profile
- Grid Marker (Wooden Stake)
- Low Resistivity Zone
- Drainage
- Utilities - Sewer
- Roads
- Approximate Location of Outfall Pipe PRS 16-021(c)
- BORE HOLE

ORIGINAL DWG. "b260tbrd" FROM MARTIN MIELE

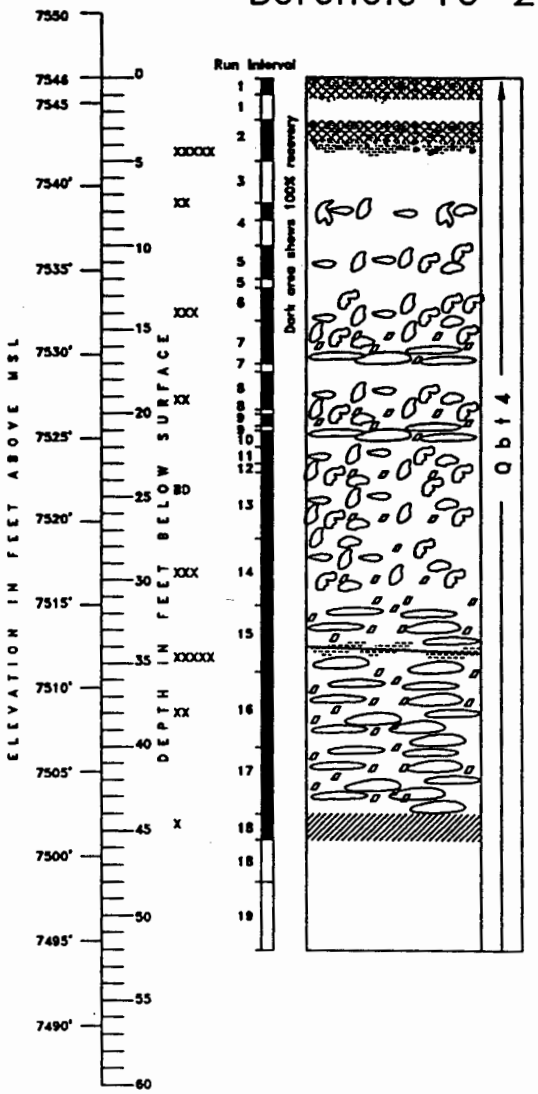
TA-16
BLDG 260
BORE HOLE AND OUTFALL LOCATIONS
02/28/97

REVISED 09/05/97 TO SHOW ADDITIONAL BOREHOLES

Eastern Geophysical anomaly - South

DRAFT

Borehole 16-2708



0-1'	Saturated w/ drill water, predominantly clay, minor organics, sand& dacite gravels, 10YR 4/3(m)
1'-2.5'	No recovery
2.5'-4	Predominantly clay, minor organics, sand& dacite gravels, 7.5YR 6/4 light brown
5'-7.5'	No recovery
7.5'-8.5'	Heavily weathered some lithics, phenocrysts, slightly moist 7.5YR 7/8 reddish brown
8.5'-10'	No recovery
10-12'	Heavily weathered some lithics, phenocrysts, slightly moist 7.5YR 7/6 reddish brown
12-12.5'	No recovery
17'-17.5'	No recovery
12.5-31.5'	Weathered, mod. welded, <5% lithics, 20% phenocrysts, 20% pumice ~2cm w/ decreasing pumice at 17.5', 5Y5 7/2 pinkish gray
31.5'-45.5'	Welded, w/ 5% lithics, 10-15% phenocrysts, 10-15% devitrified pumice, 2.5YR 7/2 pinkish gray. fracture at 34.5' w/ clayl development.
44.5'-45.5'	Surge bed material, sandy texture, 20% silts & clay, fine pumice, delinieted bedding layers
45..5'-52'	No recovery
52'	TD

	RDX D-tech results	
BD = below detection	3x = 2-3 ppm	1+ = 5-6 ppm
1X = 0-1 ppm	4x = 3-4 ppm	2+ = .6 ppm
2X = 1-2 ppm	5x = 4-5 ppm	

PRS 16-021(c)
FU # 3
ICF Kaiser

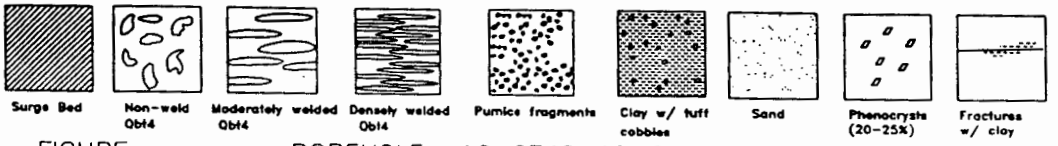
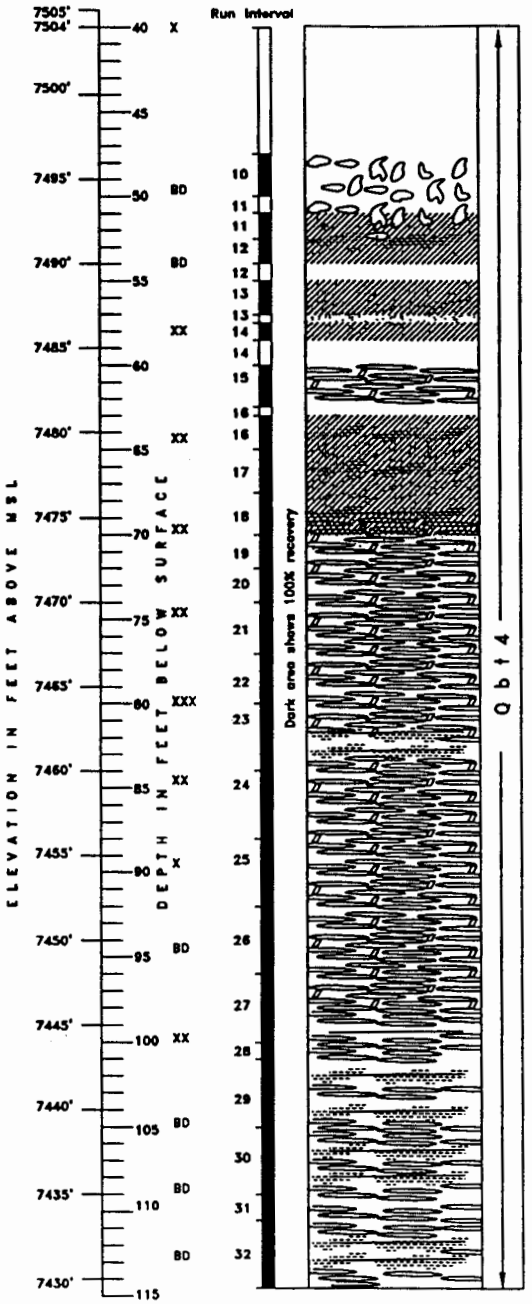


FIGURE. _____ BOREHOLE 16-2708 CORELOG

Eastern Geophysical Anomaly - South

DRAFT

Borehole 16-2736



47.5–50'	Semi welded , 5–10% pumice , 5% phenocrysts, < 5% lithics, some alteration, slightly moist, 10YR 7/1 light gray
50–51'	No recovery
51–54'	Surge bed material & sandy , distinct bedding clay development, 10YR 6/3 light brown color change at 52.5–54' 10YR 7/2 light gray
54–55'	No recovery
55–60'	Surge bed material & sandy , distinct bedding clay development, 10YR 7/2light brown
57–57.5'	No recovery
58.5–60'	No recovery
60–62.5'	Densely welded, 15% phenocrysts, no pumice , no lithics, 5YR 5/1 gray
62.5–63'	No recovery
55–60'	Surge bed material, excellent clay bedding, apparent weathering, 10YR 6/3 pale brown
67.5–114.5'	Mod. to densely welded, 15% phenocrysts,< 5% devitrified pumice, <5% lithics, sanidine is present starting at 72.75'(2.5YR 4/2), color change at 75.1' (7.5YR 4/1 dark gray) fractures w/ clay development occuring at 82', 83.10', 87', 99.8', 102',103',104',105',106', 108',109', 112' &113'.
90'–92'	Color change to 7.5YR 5/1 gray
114.6'	TD

RDX D-tech results

BD = below detection	3X = 2–3ppm	1+ = 5=6ppm
1X = 0–1ppm	4X = 3–4ppm	2+ = >6ppm
2X = 1–2ppm	5X = 4–5ppm	

PRS 16-021(c)
FU # 3
ICF Kaiser

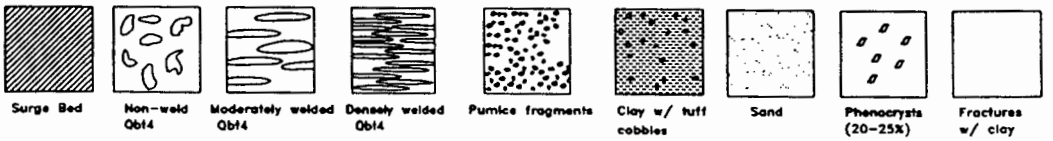


FIGURE. _____ BOREHOLE 16-2736 CORELOG

Eastern Geophysical Anomaly - Drainage

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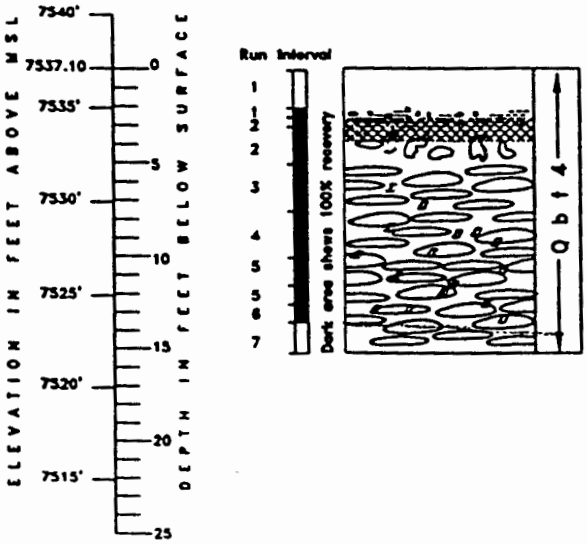
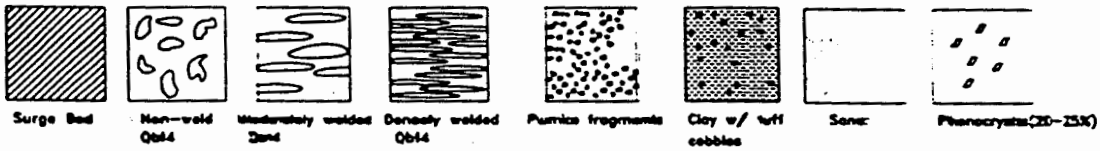
Borehole 16-2705



0-2'	No recovery
2-2.5'	Abundant intermixed silts & clays, cobbles & organics matter, 7.5YR 4/4(m) brown
2.5-3'	Medium to coarse grade sands, occasional intermixed silts & clays, no organics, no staining, saturated, 7.5YR 4/4(m) brown. Soil/tuff interface
3'	Soil/tuff interface
3-5'	Slightly welded and weathered, <5% lithics, 10-15% phenocrysts, 5-10% pumice >2cm, slightly moist, 7.5YR 6/8 reddish yellow.
5-7.5'	Mod. welded, slightly & weathered, <5% lithics, 10-15% pumice >2cm, minor clays, moder moist 7.5YR 6/8 reddish yellow.
7.5-10'	Moderately welded, slightly weathered, <5% lithics, 10-15% phenocrysts, 5-10% pumice > minor clays, moderately moist, 7.5YR 6/8 reddish yellow.
10-11.5	Moderately welded, slightly weathered, <5% lithics, 10-15% phenocrysts, 5-10% pumice >2 minor clays, slightly moist, 7.5YR 6/8 reddish yellow.
11.5-12.5'	Moderately welded, slightly weathered, gradational contact, no lithics, 15-20% phenocrysts, 10-15% pumice, dry to slightly moist, 5YR 6/2 pinkish gray.
12.5-13.5'	Slightly to moderately welded, weathered, <5% lithics, 15-20% phenocrysts, 10% pumice w/ increased alteration occuring, 5YR 6/2 pinkish gray.
13.5-15.17'	No recovery
15.17'	TD



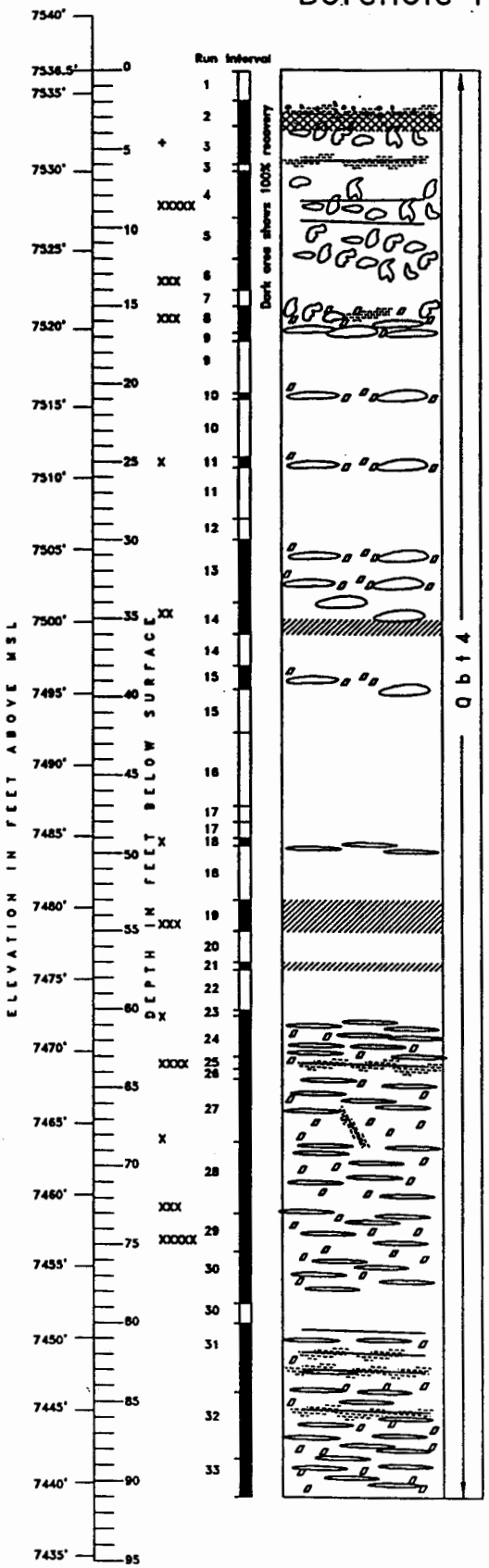
PRS 16-021(c)
FU # 3
ICF Kaiser

FIGURE. 4.3.1 BOREHOLE 16-2705 CORELOG

DRAFT

Borehole 16-2735

Eastern Geophysical anomaly - Drainage



0-1'9"	No recovery
1'9"-6'	Soil w/tuff cobbles(dacite) saturated w/water from drilling clay predominant, no organics 7.5YR 5/6 strong brn,soil/tuff interface @3.5' predominantly clay,some dacite gravel,7.5YR 4/1 dark gray
6'-6'6"	No recovery
6'-14'	Slightly welded, w/ fractures @8'& 9'4", 10% pumice fragments, <5% lithics, 10 % phenocrysts, 2.5 YR 4/3 reddish brown, wet from drilling.
14'-14'6"	No recovery
14'6"-17'2"	Weathered, slightly to moderately welded,increase in phenocrysts,20-30%, 5% lithics, 5% pumice, 2.5 YR 4/3 reddish brown, wet from drilling.
17'2"-20'8"	No recovery
20'8"-21'	Minor to no weathering, welded, 20-25% phenocrysts, 5% lithics, 5% pumice, 2.5YR 5/1 reddish grey
21'-24'8"	No recovery
24'8"-25'4"	Minor to no weathering, welded, 20-25% phenocrysts, 5% lithics, 5% pumice, 2.5YR 5/1 reddish grey
25'4"-28'8"	No recovery
30'-36'	Mod. welded, 20-25% phenocrysts,<5% lithics, 5% pumice, 2.5YR 5/1 reddish gray Surge bed 35'-36' sandy, minor clays.
36'-38'	No recovery
38'-39'6"	Slight to mod. welded, 15-20% phenocrysts,<5% lithics, 5% pumice, 10YR 5/2 grayish brown.
39'6"-49'	No recovery
49'-49'6"	Densely welded, 10-15% phenocrysts,<5% lithics, 5% pumice, 10YR 3/2 dark brn.
49'6"-53'	No recovery
53'-55'	Slough 53-53'6". Surge bed 53'6", sandy texture, alteration, pyroclastic. 53'-6"-53'8" 10YR 5/4 yellowish brn, 53'8"-54'2" 2.5YR 6/1 reddish gray, 54'2"-55' 10YR 5/4 yellowish brown
55'-57'	No recovery
57'-57'6"	Surge bed, sandy 10YR 5/4 yellowish brown.
57'6"-60'	No recovery
60'-78'10"	Welded, 20-25% phenocrysts, <5% pumice, <5% lithics, smectite weathering on 5% clino pyroxene, high angle fracture from 67'-68'4" w/ some clay development, moist from drilling, 60'-63'10YR 5/1 reddish gray, 63'-63'10" 10YR 5/2 weak red, 63'10" -78'10", 10YR 4/1 dark reddish gray.
78'10"-80'5"	No recovery
80'5"-91'	Densely welded, 20-25% phenocrysts, <5% pumice, <5% lithics, smectite development on clino pyroxene, fractures 80'11'-81'1", 82'3"-82'6",82'6"-84' 10YR 4/1 dark gray, color change @ 89'6" to 2.5YR 4/1 dark reddish gray.
91'	TD

RDX D-tech results

BD = below detection
1X = D-1ppm
2X = 1=2ppm
3X = 2-3ppm
4X = 3-4ppm
5X = 4-5ppm
1+ = 5-6ppm
2+ = >6ppm

PRS 16-021(c)
FU # 3
ICF Kaiser

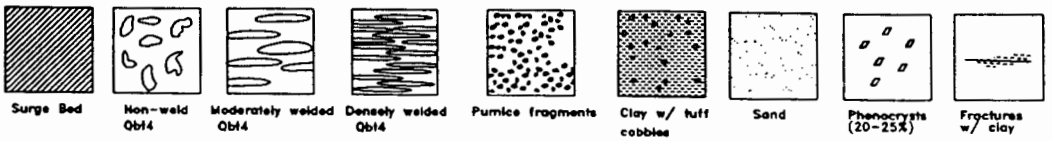
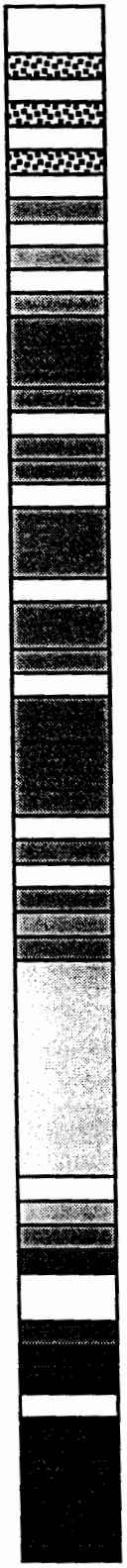


FIGURE. _____ BOREHOLE 16-2735 CORELOG

DRAFT

Borehole 16-2701 Eastern Geophysical anomaly -north



0.0'

0.0'-2.0'- no recovery

2.0'-2.33'-dacite cobble, silts and clays
2.33'-3.5'-no recovery
3.5'-4.75'-intermixed silts and clays, dacite and tuff gravels
4.75'-5.5'-no recovery
5.5'-8.5'-intermixed silts and clays, dacite and tuff gravels

10.0'

8.5'-9.5'-no recovery
9.5'-10.5'-heavly weathered Qbt, phenocrysts present, no pumice 7.56 YR 6/6(m)
10.5'-11.5'-no recovery
11.5'-12.75'-heavly weathered Qbt, 15-20% pheno, <5% lithics,10-15% devitrified pumice
12.75'-13.5-no recovery
13.5'-15.5'-heavly weathered Qbt, 15-20% pheno, <5% lithics,10-15% devitrified pumice
15.5'-19.5'-heavly weathered,slightly welded Qbt, 15-20% pheno, <5% lithics,10-15% devitrified pumice, 7.5YR 6/

20.0'

19.5'-21.0'-slightly welded Qbt, <5% lithics, 25-30% pheno, <5% pumice 5YR 6/4(d)
21.0'-21.5'- no recovery
21.5'-23.5'-slightly welded Qbt, 5% lithics, 25-30% pheno, <5% pumice 5YR 6/4(d)
23.5'-25.0'-slightly welded Qbt, 5% lithics, 25-30% pheno, 5-10% pumice 5YR 6/4(d)
25.0'-25.5'- no recovery

28.5'-29.5':
3.6ppm RDX

25.5'-31.0 -slightly welded Qbt, <5% lithics, 20-25% pheno, <5% pumice 5YR 6/2(d)

30.0'

31.0'-31.5'-no recovery
31.5'-33.5'-slightly welded Qbt, <5% lithics, 20-25% pheno, <5% pumice 5YR 6/2(d)
33.5'-35.0'-slightly welded Qbt, <5% lithics, 25-30% pheno, <5% pumice 5YR 6/2(d)
35.0'-35.5'-no recovery
35.5'-43.0'-slightly to mod. welded Qbt, <5% lithics, 25-30% pheno, <5% pumice 5YR 6/2(d)

40.0'

43.0'-43.5'-no recovery
43.5'-45.0'-slightly to mod. welded Qbt, <5% lithics, 25-30% pheno, <5% pumice 5YR 6/1(d)
45.0'-45.5'-no recovery
45.5'-46.5'-slightly to mod. welded Qbt, <5% lithics,25-30% pheno, <5% pumice 10YR 6/2(d)
46.5'-46.75'-clay present, slightly moist, 10YR 6/2(m)

50.0'

46.75'-47.5'-slightly to mod. welded Qbt,<5% lithics,25-30% pheno,<5% pumice 10YR 6/2(d)
47.5'-62.0'-surge bed with clay bedding, slightly moist, 10YR 6/2(m)

51.0'-51.25'-darker, grainy band, 10YR 5/4(m)

58.0'-59.0':
2.8ppm RDX

56.5-57.5'-grainy texture, 7.5YR 7/1(m)

60.0'

60.0'-62.0'-7.5YR 7/1(d)
62.0'-62.5'-no recovery

69.25'-69.75':
2.4ppm RDX

62.5'-65.0'-soft Qbt,possible semectite alteration (5YR 8/4(d)),64.2'-clay layer
65.0'-66.5'-slightly to moderately welded Qbt,no lithics,25-30% pheno w/ semetite alteration on clino.,<5% pumice
dry,7.5YR 6/1(d)
66.5'-67.0'-moderately welded Qbt,no lithics,25-30% pheno w/ semetite alteration on clino., sanidine present,no pu
dry,5YR 4/1(d)

70.0'

67.0'-69.25'-no recovery
69.25'-69.5'-moderately welded Qbt,no lithics,25-30% pheno w/ semetite alteration on clino.,no pumice,dry,5YR 5/
69.5-69.75'-no recovery
96.75'-72.0'-densly welded Qbt,no lithics,20-25% pheno. w/ semectite alteration on clino.,no pumice,sanadine pres
5YR 4/1(m)
72.0'-81.0'-densly welded Qbt,no lithics,30-35% pheno. in clusters w/ semectite alteration on clino.,no pumice,sana
present,5YR 4/1(m)

80.0'

ER ID 58909.1

~~16-000353~~

Received from Baytos & Herbed to 16-00026

Los Alamos

Los Alamos National Laboratory
Los Alamos, New Mexico 87545

memorandum

TO: L. Stretz, D. Loughran, M-1, J. Baytos M-1 DATE: 10 October 1984

FROM: M. J. Urizar MAIL STOP/TELEPHONE: C920/7-4325

SYMBOL: M-1

SUBJECT: IMPACT SENSITIVITY

SAMPLE	SENSITIVITY 50% Height log units	SENSITIVITY 50% Height cm	SENSITIVITY σ log units	STABILITY ml/g/48 h at 120°C
Type 12				
Std. TNT	2.1634	146.0	0.034	
Dirt + 25% HE	2.1468	140.0	0.074	
LAS-I-141 95% DINGU 5% Exon 461	2.0218	105.0	0.068	
Type 12B				
Std. TNT	NO GO AT 320 CM.			
Dirt + 25% HE	2.2009	159.0	0.076	
LAS-I-141	1.9438	87.9	0.077	

M. L. Clancy

M. L. Clancy

HMX: ≈ 30-35 cm
RDX: "

#59175

MEETING NOTES

Meeting with HRMB and LANL ER Project Personnel
TA-16-260 RFI Report/CMS Plan

Date: Wednesday, March 25, 1998
Location and Time: NMED HRMB Offices, 0800 hrs

Attendees:
Barbara Toth, HRMB
John Young, HRMB
John McCann, 260 RFI Rpt Team
Mark Tardiff, 260 RFI Rpt Team

BACKGROUND

The LANL ER Project is in the process of preparing an RFI Report documenting the Phase II investigation work at the TA-16 260 Outfall (PRS 16-021(c)). The purpose of this meeting was to discuss the risk assessment approach for the RFI Report due in the summer of 1998. At this point in time LANL had proposed to include in the RFI Report a baseline risk assessment for human health and an eco-risk screening assessment.

DISCUSSION

LANL provided a background presentation on the 260 Outfall including location and physical site conceptual model, a summary of the investigations conducted to date, and planned activities for the CMS. The requirements for a baseline risk assessment, and risk-based decision making under a RCRA Corrective Action context for this site were discussed in detail. Many risk assessment and CMS process decisions were made at this meeting and are documented as follows:

1. Phase II RFI Report (due Summer 1998)

   Because the 260 RFI Report Team is recommending a Phase III sampling campaign during the CMS, it was concluded that a baseline risk assessment is <u>not</u> appropriate for inclusion in the Phase II RFI Report. Additional data collection is required to complete the conceptual model and confirm source and hydrogeological connections. The baseline risk assessment for the site should be delayed until this information is collected. The Phase II RFI Report will include data assessment, conceptual model development, and both human health and ecological screening assessments.

   The human health risk approach will <u>not</u> include an evaluation of a residential exposure scenarios assuming that LANL: 1) can document that an industrial land use is planned for this area, and 2) should conditions change beyond the LANL planning window, appropriate property control and transfer procedures will occur to assure conditions are re-evaluated prior to the new land use. The human health screening assessment for the Phase II RFI Report, and subsequent risk assessment to follow, will evaluate the following industrial exposure scenarios:

   - environmental worker,
   - worker trail user, and
   - construction worker

2. CMS Plan (due by the end of FY 98)

   The CMS Plan will include the following components:

   - A recommendation for a source removal Interim Measure (IM) targeted for completion in 1999. Removal of the highly contaminated source material at this outfall will alleviate additional transport of contaminants into the subsurface and alluvial systems in Cañon de Valle. Source removal early in the process will also provide credibility to the approach for evaluating contaminants remaining in the environment during the CMS process to follow.

   - The areal extent for the CMS consists of the basin delineation of Cañon de Valle to the confluence of Water Canyon, plus the subcanyon for Martin Spring. A point of compliance for Cañon de Valle is not obvious at this time because the confluence of Cañon de Valle and Water Canyon is dry. Current thinking is that the point of compliance may default to the point where Cañon de Valle looses flow to the subsurface.

   - Phase III Investigation Sampling and Analysis Plan.

   - Approach to Human Health and Ecological risk assessments assuming the source removal discussed above. The human health risk assessment will concentrate on contaminants remaining in the subsurface following the IM discussed above, potential contaminant fate and transport of these contaminants, and impacts to the alluvial and deeper groundwater systems at the site. The human health risk assessment will evaluate the industrial land use exposure scenarios discussed in Item 1 above.

   - Documentation of the technology screening efforts conducted with ITRD and treatability study proposals.

3. IM Plan

   A plan detailing the source removal effort will be prepared to accomplish the IM in 1999. This plan will consider both risk-based cleanup levels and practical engineering approaches. The plan will include a SAP to characterize the extent of contamination remaining in the environment following source removal. This information will be included in the risk assessment and CMS efforts to follow.

4. Phase III RFI Report (Ttile Optional)

   A report documenting the results of the Phase III data collection, conceptual model refinement, and IM efforts will be prepared. This report will include both human health and ecological risk assessments to be used during the final CMS process to follow.

5. CMS Report

   A CMS Report will be prepared that focuses on the contaminants remaining in the unsaturated subsurface, the alluvial system in Cañon de Valle, and groundwater. Remedial alternatives and long term monitoring will be addressed.

ACTION ITEMS

1. HRMB to determine if CMS process outlined above is acceptable for decision making and deliverable outline development.

2. LANL to prepare a Technical Memorandum documenting assumptions and parameters for the industrial land use exposure scenarios for the environmental worker, worker trail user, and future construction worker.

5.3 HE Sumps and Active Outfall at TA-16-260, SWMUs 16-003(k), 16-021(c)

5.3.1 Background

This aggregate consists of 13 high explosive sumps, their drain lines, the outfall, and the well-defined drainage channel associated with TA-16-260 (Fig. 5-6; Tables 5-4, 5-5). The sumps have been designated SWMU 16-003(k) and the outfall as SWMU 16-021(c). The outfall is permitted as EPA 05A056. A general background discussion of sumps and their operating principles is given in Subsection 5.2.1.

The outfall receives effluent from the sumps, as shown on Laboratory drawing 13Y-1920756 (Palmer and Abercrombie 1991, 15-16-366). Each sump flows into a trunk line that discharges to the outfall. Sump S14, serving Bay 25 on the southeast end of TA-16-260, has been removed. The outlet of Sump S15 is plugged and the sump is no longer active.

TA-16-260 is a HE machining facility that processes large quantities of explosives. Machine turnings are routed to the sumps as waste. The drainage channel from the outfall is contaminated with explosive waste, including barium nitrate, the primary ingredient in the explosive baratol.

In 1966, the 10-ft wide loading dock on the rear (northeast) of TA-16-260 was removed. New sumps with water-tight aluminum liners were installed adjacent to the northeast wall of TA-16-260. HE-contaminated dirt under the old sumps was removed and replaced with clean, compacted earth. PCOCs are listed in Table 5-21.

5.3.1.1 SWMU Description and History

SWMU 16-003(k). SWMU 16-003(k) is 13 HE sumps and drain lines associated with TA-16-260. Sump dimensions are 90 in. by 36 in. by 31 in. (1 each) and 176 in. by 36 in. by 31 in. (12 each). The waste consists primarily of HE. In 1970, Wilder classed the use of HE as very high and the probability of contamination in the outfall as very high. As shown in Table 5-18, dimethyl sulfoxide was the only solvent found by Panowski and Salgado (1971, 15-16-038; LANL 1989, 15-16-361). Currently, solvents are drummed to prevent their reaching the sump.

TABLE 5-21

POTENTIAL RELEASE SITES AND POTENTIAL CONTAMINANTS OF CONCERN CONTAINED IN OU 1082, TA-16-260 AGGREGATE

				HE		RAD	METALS		ORGANICS		
PRS NO.	DESCRIPTION	PRIMARY ACTIVITY LEADING TO POTENTIAL PROBLEMS	ACTIVE	UNDETONATED HE	HE DEGRADATION PRODUCTS	URANIUM	METALS SUITE	BARIUM	VOLATILES	SEMIVOLATILES	CYANIDE
16-003(k)	HE sump	HE machining	Y	x	x	x	x	x	x	x	x
16-021(c)	TA-16-260 outfall	HE machining	Y	x	x	x	x	x	x	x	x

The two sumps serving machining Bays 22 and 23, and 24 and 25 receive barium precipitation treatment. After pH adjustment, barium is precipitated as insoluble barium sulfate by adding sodium sulfate to the sump solution. Barium residues are removed to the TA-16 burning ground when the sumps are serviced.

HE charges to which uranium has been fastened (e.g., glued) have been machined at TA-16-260. Generally, only the HE was machined. Uranium was left intact. Special precautions are taken to prevent uranium from entering the waste water system (LANL 1989, 15-16-361).

In 1955, H-Division reported concerns that airborne particulate levels for TNT exceeded permissible limits at TA-16-260 (H-Division 1955, 15-16-227; and H-Division 1955, 0482).

SWMU 16-021(c). SWMU 16-021(c) is the outfall associated with the 13 HE sumps on the northeast side of TA-16-260 (Fig. 5-6). Although listed as inactive in the SWMU Report, the outfall is active (LANL 1990, 0145).

The drainage channel from the outfall flows about 600 ft to the bottom of Cañon de Valle, a drop in elevation of 80 ft. The drainage channel from the outfall is well defined, with apparent high-water marks. The water flows over a 15-ft high cliff approximately 500 ft from the outfall. A small pond approximately 55 ft long is formed by a rock dam located 93 ft from the outfall. HE-contaminated water from the outfall enters the pond about 40 ft from the outfall. The longitudinal axis of the pond is oriented east-west with flow in the easterly direction. The dam is about 9 ft thick, but only the first 2 ft of rock are closely packed. At present, the water in the pond is less than 2 in. deep and covers only a small area, although the soil and sediment are wet throughout the pond. Rain water from the roadway on the northeast side of TA-16-260 also flows into the pond. Bioremediation and other experiments are presently being conducted in the pond.

5.3.1.2 Conceptual Exposure Model for HE Sumps and Active Outfalls

The conceptual model for TA-16-260 is identical for that of the inactive HE sumps described in Subsection 5.2.1.2 (see Fig. 4-9).

5.3.1.2.1 Nature and Extent of Contamination

Existing data for the TA-16-260 outfall are extensive and show widespread HE contamination extending from the discharge point to Cañon de Valle (Tables 5-22 through 5-25) (Baytos 1970, 15-16-278, etc.; Turner and Schwartz 1971, 15-16-284; King 1991, 15-16-381; and King 1992, 15-16-380). Values range up to three orders of magnitude greater than SALs.

Baytos analyzed sediment samples taken from the channel during the period 1970 through 1985 (Table 5-22). His study extended several hundred feet from the outfall. The highest concentrations of HMX-RDX and TNT were found in the pond. Concentrations of total HE in the pond have remained uniformly high, from a low of 10.8 wt % in 1971 to 27.0 wt % in 1976 (Baytos 1971, 15-16-277; and Baytos 1976, 15-16-271). Baytos cited an unpublished report from 1960 in which the total HE concentration was 9.8 wt % (Baytos 1972, 15-16-275). In 1991, Barr and King found concentrations as high as 34.1 wt % in the pond (King 1991, 15-16-381; King 1992, 15-16-380). Barr and King also found that HE concentrations were high (4.4 wt %) for a distance of over 200 ft down the drainage. In dry soil, such high concentrations could be considered explosive mixtures under certain conditions (Urizar 1984, 15-16-353). Turner and Schwartz found that waste material from TA-16-260 travels only a short distance down Cañon de Valle.

Baytos' distances from the outfall are approximate (i.e., within 10 ft). Distances the samples were taken from the center line of the pond were not recorded. Therefore, there may be some inconsistencies in the data. For example, two samples taken on March 11, 1960, from the center of the pond have significantly different HE concentrations. However, one sample was taken on the approximate center line of the pond while the other was taken near the edge of the pond.

In 1972, contaminants in TA-16-260 sump water ranged from 0 to 3.2 ppm HMX-RDX, 10 to 18 ppm TNT, and 70 to 1 587 barium nitrate (Roybal 1972, 15-16-439). As part of NPDES permit application, sump waters from TA-16-260 were analyzed for TNT, yielding values ranging from <0.4 to 78 ppm (LASL 1977, 15-16-426). In 1988, Baytos analyzed water samples taken from the outfall. His data are tabulated in Table 5-25.

TABLE 5-22

HIGH EXPLOSIVES IN THE TA-16-260 DRAINAGE CHANNEL

DATE	SAMPLE LOCATION	HMX/RDX	TNT	TOTAL HE
03/11/60	Pond center	8.5	1.3	9.8
03/11/60	Pond center	3.5	1.3	4.8
03/11/60	20 ft below dam	4.3	1.7	6.0
03/11/60	30 ft below dam	3.3	0.7	4.0
03/11/60	100 ft below dam	2.7	0.04	2.7
03/11/60	150 ft below dam	0.5	0.02	0.5
04/29/70	Outfall	7.0	0.0	7.0
04/29/70	Pond center	20.5	3.7	24.2
04/29/70	1 ft below dam	4.8	0.07	4.9
04/29/70	Between dam and cliff	12.9	0.12	13.0
04/29/70	Cliff	3.9	0.10	4.0
11/18/70	10 ft from outfall	3.2	0.0	3.2
11/18/70	Inlet to pond	14.1	0.1	14.5
11/18/70	10 ft above dam	22.1	0.5	22.6
11/18/70	5 ft below dam	14.5	0.2	14.7
11/05/71	10 ft from outfall	2.9	0.0	2.9
11/05/71	Pond inlet	10.8	0.0	10.8
11/05/71	10 ft above dam	25.7	0.0	25.7
11/05/71	10 ft below dam	22.5	0.0	22.5
08/22/73	10 ft from outfall	1.3	0.0	1.3
11/14/74	Outfall	1.7	0.0	1.7
11/14/74	1 ft above dam	17.1	0.1	17.8
11/14/74	50 ft below dam	13.7	0.2	13.9
12/05/75	10 ft from outfall	0.2	0.0	0.2
12/05/75	1 ft above dam	9.2	0.0	9.2
11/19/76	10 ft from outfall	0.2	0.0	0.2
11/19/76	50 ft from outfall	3.0	0.1	3.1
11/19/76	65 ft from outfall	26.7	0.3	27.0
11/19/76	250 ft from outfall	17.3	0.3	17.6
07/18/84	3 ft from outfall	0.3	0.0	0.3
07/18/84	30 ft from outfall	10.4	0.9	11.3
07/18/84	50 ft from outfall	16.7	2.3	19.0
09/12/85	30 ft from outfall	2.0	0.1	2.1
09/12/85	110 ft from outfall	26.6	4.8	31.4
09/12/85	230 ft from outfall	1.7	0.1	1.8

Quantities of explosives are given in weight percent (wt %). Surface samples were taken from the sediment. Most samples were taken along the center line of the drainage channel. Distances are approximate. The sampling technique and analytical method are described in Baytos 1972, 15-16-275. Data from Baytos (1970-1985, 15-16-278 to 15-16-268). Soil SALs: TNT = 40 ppm (0.004 wt %), HMX = 4 000 ppm (0.4 wt %), RDX = 64 ppm (0.0064 wt %), and barium = 5 600 ppm.

TABLE 5-23

HIGH EXPLOSIVES AND BARIUM IN SOILS AND WATER AT TA-16-260

SAMPLE	MEDIA	HMX/RDX	TNT	BARIUM
3	Sump water	0.3	33	4
19	Water	1.5	3	30
20	Soil	0.6	1	9

Data from Turner and Schwartz (1971, 15-16-284). All values in ppm. Soil samples represent 4-hour Soxhelt extractions. Soil SALs same as Table 5-22. Water SALs: HMX = 1.8 ppm, RDX = 0.00032 ppm, TNT = 0.0175 ppm, and barium = 1 ppm.

TABLE 5-24

HIGH EXPLOSIVES IN THE TA-16-260 DRAINAGE CHANNEL, BARR-KING DATA OF 1991*

SEDIMENT SAMPLE LOCATION	HMX/ RDX	TNT	TOTAL HE	BARIUM
1 ft from outfall	3.4	0.1	3.5	
20 ft from outfall	1.8	1.0	2.8	
40 ft from outfall	0.1	<0.1	0.1	
45 ft from outfall	2.9	<0.1	2.9	
50 ft from outfall, pond center line	4.9	<0.1	4.9	
60 ft from outfall, pond center line	6.4	0.1	6.4	
60 ft from outfall, north edge of pond	0.5	<0.1	0.5	
70 ft from outfall, pond center line	9.1	0.6	9.7	
70 ft from outfall, north edge of pond	19.0	2.0	21.0	
80 ft from outfall, pond center line	22.3	3.0	25.3	
90 ft from outfall, pond center line	26.7	2.0	28.7	
90 ft from outfall, 12 in. from north edge	7.6	<0.1	7.6	0.85
91 ft from outfall, pond center line	3.0	<0.1	3.0	0.43
91 ft from outfall, pond center line, 2 in. deep	7.6	<0.1	7.6	0.53
91 ft from outfall, pond center line, 8 in. deep	6.1	0.2	6.3	0.51
91 ft from outfall, pond center line, 13 in. deep	13.5	0.4	13.9	0.46
91 ft from outfall, 8 in. from edge, 13 in. deep	24.8	9.3	34.1	0.33
91 ft from outfall, 12 in. from edge, 13 in. deep	27.8	1.0	28.8	0.67
110 ft from outfall	7.6	0.3	7.9	
135 ft from outfall	2.3	<0.1	2.3	0.35
210 ft from outfall	4.4	<0.1	4.4	0.65

Quantities of explosives and barium are given in weight percent (wt %). Surface samples were taken from the sediment along the center line of the drainage channel, unless otherwise specified. Soil SALs same as Table 5-22.

* (King 1991, 15-16-381; and King 1992, 15-16-380).

TABLE 5-25

DAILY WATER TESTING FOR CONTAMINANTS IN HIGH EXPLOSIVES SUMPS, TA-16-260 OUTFALL*

DAY:	1	2	3	4	5	6	7	8	9	10	MEAN	STANDARD DEVIATION	SALs WATER (ppm)
pH	7.91	7.80	7.80	7.90	7.98	7.80	7.95	8.10	9.20	7.85	8.03	0.422	
Suspended solids	2.6	4.6	3.1	2.6	6.2	0.0	2.0	0.8	1.3	0.9	2.4	1.88	
TNT	0.06	0.0	0.0	0.02	0.0	0.04	0.0	0.0	0.01	0.19	0.03	0.059	0.0175
RDX	2.25	0.0	0.03	0.02	0.0	0.34	0.0	0.04	0.03	1.19	0.39	0.751	0.00032
HMX	1.29	2.06	1.96	1.92	1.53	2.70	1.47	1.53	1.61	2.47	1.85	0.458	1.6
Acetone	nd	nd	nd	nd	nd	0.3	nd	0.1	0.2	0.1	-	-	3.5
MEK	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	-	-	1.7
Bu-Ac	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	-	-	
Toluene	nd	nd	nd	nd	nd	nd	7.7	0.1	nd	nd	-	-	0.75

* Baytos 1988, 15-16-266
Quantities are given in parts per million (ppm). Samples were taken on ten consecutive working days.
Mean and standard deviation computed by others.
nd: Not detected
MEK: Methyl ethyl ketone
Bu-Ac: n-Butyl acetate

5.3.2 Remediation Decisions and Investigation Objectives

Problem Statement (DQO Step 1)

The 13 sumps with a common outfall at TA-16-260 are all associated with HE processing activities. Archival data indicates extensive HE contamination is present, at levels as high as 30 wt% in soil. Other COCs include barium and other metals, uranium, semivolatiles, and volatiles. The primary goal of Phase I for these sumps will be to bound the region of contamination. A secondary goal is to detect PCOCs other than HE in those regions of this SWMU where HE contamination is minimal. All of these sumps are currently in active use. Their outfall has not been plugged, so the associated drain lines and their common outfall are also active. Current WX Division plans call for this drain line to be plugged by 1995 or at the latest by 1996. Field activities will be deferred until the drain line is plugged.

Sampling will be necessary to determine a boundary for the HE-contaminated zone. The extant information will be used to provide information for Phase II

sampling plans, to proceed directly to a VCA followed by additional sampling, or possibly to proceed to a corrective measures study (CMS).

Since the sumps and their upstream feeder troughs are still in active use and the drain lines, in most cases, lie under paved areas, sampling will be confined to the outfall and drainage. Action on the sumps themselves and their associated drain lines will be deferred until decommissioning and decontamination.

Decision Process (DQO Step 2)

Based on the existing date, the highly contaminated central portion of the TA-16-260 drainage will undergo a VCA or CMS. A Phase I study will be conducted to determine which of the following should be recommended for the remainder of the TA-16-260 outfall: 1) Phase II study (if additional information is needed to bound HE-contaminated region); 2) VCA (if Phase I study provides enough data to select a viable and cost-effective remediation option); or, 3) CMS (if Phase I study provides enough data to determine nature and extent of contamination, but additional information on costs and treatment methods are needed before proceeding with remediation). A baseline risk assessment for this site is not deemed to be necessary, because existing data suggest a potential detonation hazard. Current operating procedures restrict worker access to this SWMU.

Possible remediation alternatives include: 1) removal of HE-contaminated soil to a permitted landfill after removal of sufficient HE at the TA-16 burning ground to eliminate any safety risk in transporting the soil off-site; 2) *in-situ* degradation of HE by composting; or, 3) thermal, chemical, or biological treatment of HE-contaminated waste followed by replacement of clean soil. Following remediation the area will be resampled to verify cleanup.

Fig. 5-25 illustrates the decision process.

5.3.3 Data Needs and Data Quality Objectives

Decision Inputs and Investigation Boundary (DQO Steps 3 and 4)

In Phase I, the decision process will be applied to the surface soils of the TA-16-260 outfall and the associated drainage located below the TA-16-260 outfall. In Phase I, the following questions will be addressed.

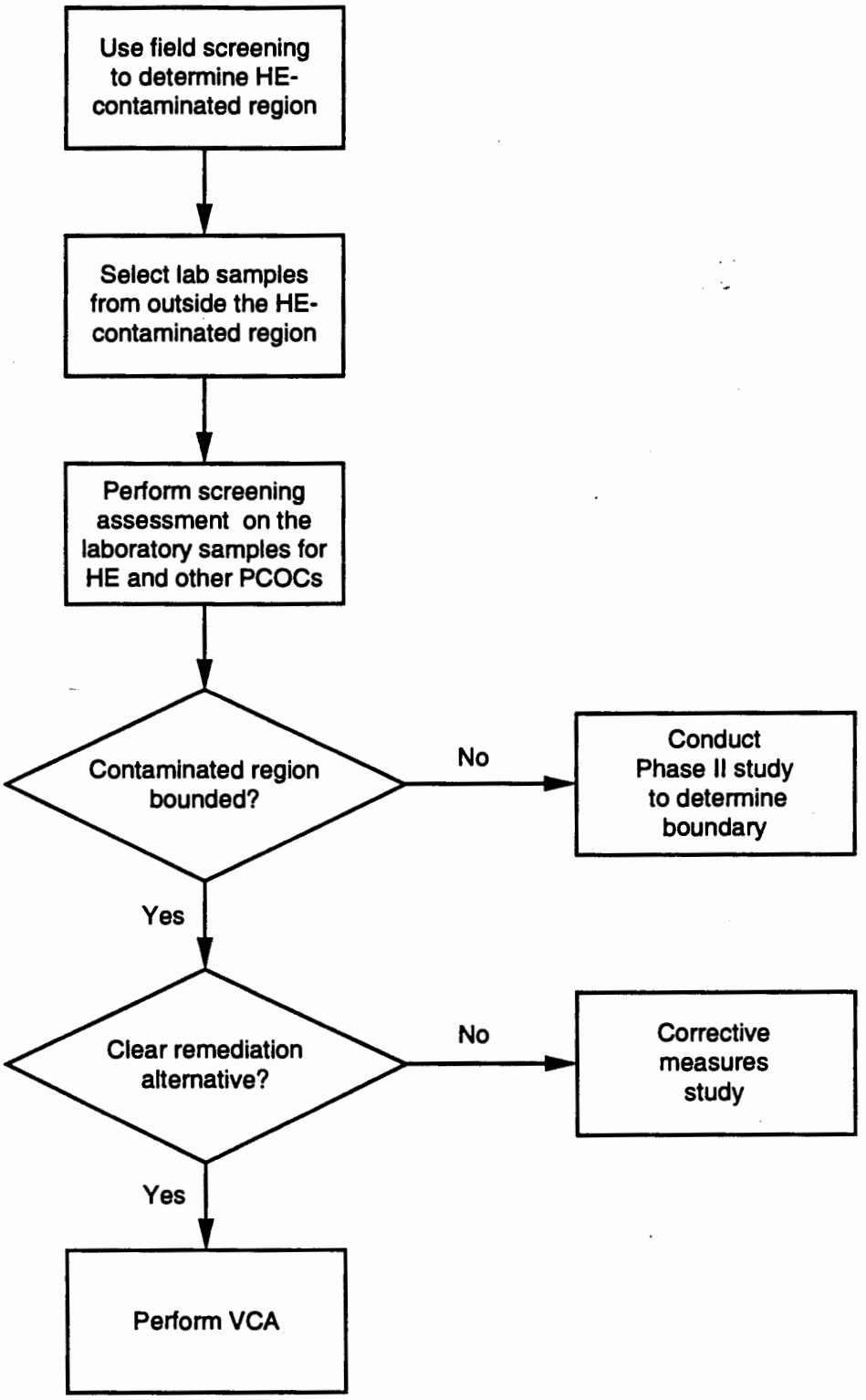


Fig. 5-25. Decision flow for TA-16-260 sumps.

1. How does the HE contamination vary in the TA-16-260 drainage and how far does it extend laterally and down the drainage?

2. Do the levels of semivolatiles, uranium, barium, or other metals differ from background, and if so, do they exceed SALs in the surface soils of the drainages associated with the TA-16-260 outfall in the area outside the HE-contaminated region, which will be remediated?

Additional questions regarding possible vertical transport of HE into the subsurface soils or into bedrock, and potential subsurface contamination from volatiles, semivolatiles, uranium, and other metals will be deferred until after VCA, due to the hazards of subsurface drilling in an area highly contaminated with HE.

The data needed to answer the first question are the concentrations of HE in the surface soils bounding the TA-16-260 drainage. The data needed to answer the second question are the concentrations of the other potential contaminants in the surface soils bounding the drainages. Surface contaminants will be assumed to be concentrated in the natural sediment traps of the drainage. The sampling will proceed downslope to Cañon de Valle, which will be sampled as described in Subsection 5.9.

The drainage channel for TA-16-260 is well defined, so lateral sampling is proposed at 5 ft from the drainage. The OU 1082 team considers it unlikely that contamination has reached a distance of 5 ft from the edge of HE-contaminated central drainage, but due to the magnitude of contamination in the site, the assumption will be verified.

Decision Logic (DQO Step 5)

The perimeter sample plan uses field screening to provide a bound on the HE-contaminated region, so laboratory samples directly outside the TA-16-260 drainage will be intended to confirm the absence of contamination outside the field-screened-clean region. The perimeter of the HE-contaminated region will be determined using a grid of HE field screening points, supplemented by additional field-screening points where needed to achieve negative HE spot tests. Laboratory samples will be taken outside the known HE-contaminated region. Based on the results of Phase I study,

proceed as follows: 1) If the laboratory samples contain HE, barium, uranium, or other COCs at levels different from background and the sample maxima are above SALs, then initiate a Phase II study to further delineate the boundary of the HE-contaminated region; 2) if the HE-contaminated region has been bounded, perform VCA followed by cleanup verification monitoring within the remediated zone; and, 3) if sufficient information on the nature and extent of contamination is available, but additional data are needed prior to implementing remediation, perform a CMS. This study would involve feasibility studies focused on determining the most efficient, cost-effective, and safe method of remediating such a highly HE-contaminated area.

Design Criteria (DQO Step 6)

A 20 ft downslope spacing was selected for radiation and HE field screening, because such an interval roughly corresponds to a scoop distance for a small backhoe, which may be used during VCA. A 5 ft lateral spacing would detect contaminants transported from the well-defined central drainage during over-bank flooding events. The entire length of the drainage, from the outfall to Cañon de Valle, will be investigated, because existing data suggests that HE and barium discharged from TA-16-260 have reached Cañon de Valle.

Radiation screening: Radiation screening will be conducted to check for the presence of uranium. Based on the likely limited transport of uranium in the drainage (Becker et al. 1985, 0029) and the unlikely possibility of uranium discharge from TA-16-260, radiation field screening will be limited to the first 100 ft of the drainage during Phase I.

Surface samples: A perimeter sampling approach will be applied that combines measurements from HE field screening and analytical samples. Field screening will be applied as described in Subsection 5.3.4 to determine the edge of HE-contaminated area. Based on the results of HE field screening on a grid, 14 analytical samples will be taken outside the HE-contaminated region, as delineated by field-screening. A 100-ft interval for these laboratory samples should provide adequate coverage of the soils bounding the central drainage. These laboratory samples will be used to check for barium and for HE occurring at levels above SALs but below the

limit of detection of the HE spot test. Additional samples will be taken where radiation field screening results yielded above background levels in order to examine the possible presence of uranium.

5.3.4 Sampling and Analysis Plans

The outfall from the sumps associated with machining building TA-16-260 are by far the most contaminated of any at S-Site (see Subsection 5.3.1.2.1).

The HE sumps described in this subsection are all active. In addition, the drain line for these sumps is in use, although WX-3 will soon plug the outfall (Barr 1992, 15-16-329). Thus, no sampling in the sumps or under and around the active drain line is proposed at this time.

SOPs that control field activities in this sampling plan are listed in Table 5-26. Sample numbers and necessary analyses are shown in Table 5-27. Field screening methods are described in Subsection 4.7. SOPs for field screening are currently in preparation.

TABLE 5-26

STANDARD OPERATING PROCEDURES FOR FIELD ACTIVITIES

LANL-ER-SOP	TITLE	NOTES
01.02, R0	Sample Containers and Preservation	Applied to all laboratory samples
01.04, R1	Sample Control and Field Documentation	Applied to all laboratory samples
06.11, R0	Stainless Steel Surface Soil Sampler	All 0 to 6 in. surface samples

5.3.4.1 Engineering Surveys

A detailed engineering survey is needed to delineate the boundaries of the drainage from the HE outfall accurately in the field, as well as to lay out sampling points for radiation screening, HE screening, and surface sampling along the channel boundaries.

All sample locations will be registered on a base map, scale 1:7 200. If, during the course of sampling, any sample points must be relocated, the new position will be resurveyed and the revised locations will be indicated

TABLE 5-27

SUMMARY OF SITE SURVEYS, SAMPLING, AND ANALYSIS FOR TA-16-260

PRS	PRS TYPE	Sampled Media	Laboratory Samples: Structure	Structure Field dup	Surface	Surface Field dup	Subsurface	Subsurface Field dup	Field Screening: Gross Alpha	Gross Gamma/Beta	Organic Vapor	HE Spot Test	Geophysics Surface	Barium - LIBS	A Geological Characterization	Field Lab.: Gross Alpha	Gross Gamma/Beta	Tritium	Volatile Organics	B XRF	Soil Moisture	Laboratory Analyses: Alpha spectroscopy	Gamma spectroscopy	C Beta spectroscopy	Total Uranium	Isotopic Plutonium	Isotopic Uranium	D VOA (SW 8240)	E Semivolatiles (SW 8270)	F Metals (SW 6010)	G PCBs (SW 8080)	H High Explosives (SW 8330)	Cyanide
16-003(k)	HE sump	Sediments			14	1				30#		155#													14#				14#	14#		14#	14#
16-021(c)	HE sump outfall (a)	Sediments																															

(a) Both SWMUs are covered by the same sampling plan

A, B, C, G = not applicable; D, E, H = full suite; F = 1082 suite.

The actual number of points will depend on the results of the field screening as it defines the lateral boundaries of the contaminated area.

on the map. The engineering survey will be performed by a licensed professional under the supervision of the field team leader.

The field-screening points will be centered perpendicularly from the main drainage from the outfall behind TA-16-260 (Fig. 5-26). Points for field screening will be surveyed at 20 ft downstream intervals and 5 ft lateral intervals, for those areas where the drainage is wider than 5 ft, within the main channel downstream from the outfall egress point to Cañon de Valle. In addition, two points, spaced at 5 ft intervals, will be surveyed to the northeast and southwest of the edge of the main drainage channel and pond. The surveyed points will thus provide an approximately 31 x 5 ft grid for HE screening extending roughly 600 ft from the outfall to Cañon de Valle. Low-energy gamma radiation measurements for the detection of uranium and other radionuclides will be reported at the point surveyed above for a distance of 100 ft from the outfall at the grid intervals. Measurements will be examined for high values that would be used to guide the sampling described in the following sections. Field screening for HE (Baytos 1991, 15-16-339) will be performed at the points surveyed as described above. If positive HE or above-background radiation field-screening measurements are found in the points located at 10 ft from the drainage channel and pond, additional field-screened points, spaced at 5 ft intervals, will be surveyed and screened until the soils field screen as uncontaminated with HE or uranium. No field-screening for either HE or radiation will be done within the pond itself, because of the potential explosive risk to workers operating in this region. The goal of this HE field screening is to provide constraints on the downslope and lateral extent of the HE-contaminated region extending away from the central drainage channel and outfall to facilitate a VCA.

Thus, we will define a perimeter that bounds the highly HE-contaminated region using inexpensive field-screening techniques.

5.3.4.2 Sampling

Surface samples for laboratory analysis will be taken to investigate PCOC concentrations in areas abutting the channel, which is slated for VCA. Thus, if the environmental transport mechanisms for HE and other PCOCs such as barium are significantly different, there should be evidence of any other PCOCs that were transported from the channels. These laboratory samples

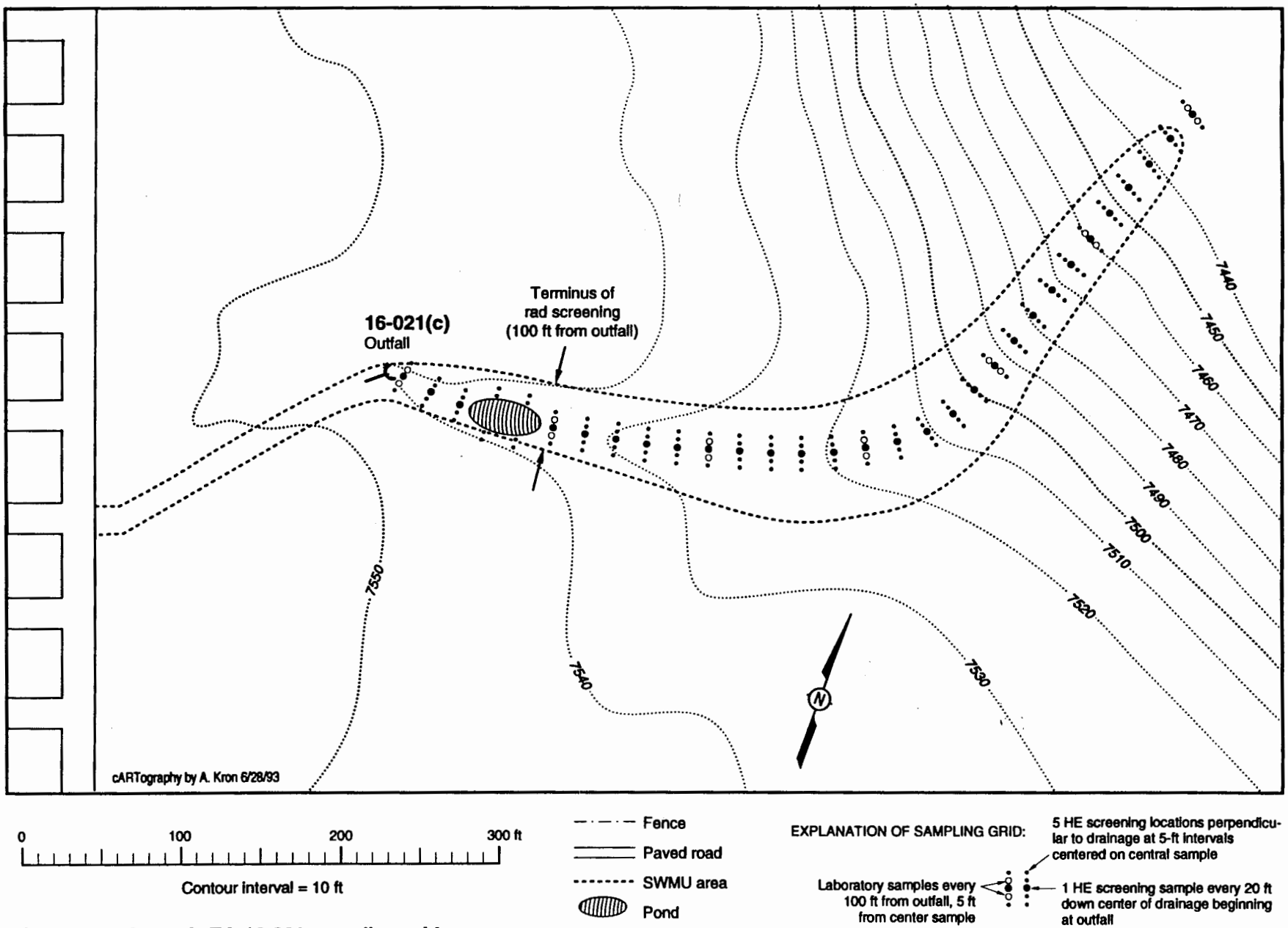


Fig. 5-26. Schematic TA-16-260 sampling grid.

will also provide quantitative information on any low-level HE contamination outside the drainage channels and information on any HE by-products outside the drainage channel. The laboratory surface samples will investigate HE levels in soils near the TA-16-260 outfall that may be present at a level between background and the detection limit for the HE screening.

After determination of the HE-contaminated region using the HE field spot test, laboratory samples will be taken at field-screening points at a distance of 5 ft from the edge of the main drainage on both the northwest and southeast of the drainage channel. These laboratory samples will be taken every 100 ft from the outfall point to Cañon de Valle, for a total of 14 samples. In addition, any points that yield positive results for radiation during the field surveys will be sampled for laboratory analysis. At all of these surface sampling locations, 0 to 6 in. of soil will be collected. The sampling strategy is delineated schematically in Fig. 5-26.

No subsurface sampling is proposed until after VCA, due to the hazards associated with drilling in regions highly contaminated with HE.

5.3.4.3 Laboratory Analysis

Full laboratory analyses of samples will be at Level III using the following methods: uranium (LANL or DOE method), VOCs (SW-846 Method 8240), SVOCs (SW-846 Method 8270), metals (SW-846 Method 6010), and HE and its by-products (SW-846 Method 8330). SOPs used in this sampling plan are listed in Table 5-26. The metal of particular concern for this sampling plan is barium; HE of principal concern are HMX, RDX, TATB, and TNT; HE by-products of concern are HE degradation products and HE impurities such as DNT, DNB, and TNB (See Appendix D).

5.3.4.4 Sample Quality Assurance

Field quality assurance samples will be collected according to the guidance provided in the latest revision of the IWP. Sampling parameters are summarized in Table 5-27, including a listing of appropriate QA/QC field duplicates planned to be collected during the course of the field investigations.

1.4.2.6.1.7.1.2 M. Burgess
NOD-RFI Work Plan
for OU 1082 (1993)

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS, TX 75202-2733

JUL 1 3 1994

Rec'd at LAAO
7/18/94 @ 1:39 p.m. MDT

CERTIFIED LETTER: RETURN RECEIPT REQUESTED

Mr. Joseph C. Vozella, Chief
Environment, Safety and Health Branch
Department of Energy
Los Alamos Field Office
Los Alamos, NM 87544

Re: Notice of Deficiency, RFI Work Plan OU 1082
Los Alamos National Laboratory
NM0890010515

Dear Mr. Vozella:

The Environmental Protection Agency (EPA) has reviewed the RCRA Facility Investigation (RFI) Work Plan for Operable Unit 1082 (OU 1082) dated July 16, 1993 and found it to be deficient. Enclosed is a list of deficiencies which need to be addressed within thirty (30) days of receipt of this letter with the exception of the sampling plans noted in deficiency #18 which are due within sixty (60) days of receipt of this letter.

Should you have any questions, please contact Barbara Driscoll at (214) 655-7441. After August 1, 1994 Barbara's number will be changed to (214) 665-7441.

Sincerely yours,

William K. Honker, P.E.,
Chief, RCRA Permits Branch

Enclosure (1)

cc: Mr. Benito Garcia, Bureau Chief
Hazardous and Radioactive Materials Bureau
New Mexico Environment Department

Mr. Jorg Jansen, Program Manager
Environmental Restoration Program
Los Alamos National Laboratory, M992

30002000
US DOE / LAAO - OUT

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Notice of Deficiency
Los Alamos National Laboratory
Operable Unit 1082

General Comments:

1. The baseline risk assessment should use a residential scenario with a 10^{-4} risk until agreement is reached with stakeholders as to future land use scenarios.

Text changed 3rd qtr 4.4.1

2. LANL should note that identification of potential contaminants of concern below screening action levels does not automatically lead to a determination of no further action. The extent of any release must be identified, and if this does not occur in Phase I sampling then it should in Phase II.

3. The format used for the HE sumps is very poor. The sampling plans or figures should be included with the description of each sump. In addition, text skips back and forth between different figures and sump numbers which adds confusion in reading the text. For example, all the SWMUs associated with Figure 5-4 should be discussed together rather than split up.

Subsection 5.2 Text reorganized

4. More emphasis should be placed on the actual sampling plans rather than on the data quality objectives. The sampling plans are the most important part of the work plan, and yet there is little detail in the work plan related to this. All work plans should be third party executable.

5. Engineering surveys for locating sampling points should have been conducted prior to writing the work plan. Actual sampling points should be included in the work plan.

6. Approval of any portion of this work plan by EPA does not constitute approval of a voluntary corrective action at any SWMU. LANL shall provide a work plan for each proposed VCA.

7. LANL should provide dates (as available) for when MDA's, lagoons, pits, outfall, etc. become abandoned or inactive. LANL shall indicate whether units are permitted (RCRA, NPDES etc.) or are interim status.

8. Discrete rather than composite samples should be collected in the following sections of the work plan: Section 5.4.4.3 (p.5-110), Section 5.14.4.2 (p.5-258), and Section 5.16.4.2 (p.5-278).

9. All figures of SWMUs with sampling locations or which denote the locations of SWMUs should have contour lines.

Specific Comments:

1. **Executive Summary, p. ES-6 Milestone Chart** - Does the five years for completion of the RFI field work include completion of field work for the additional work plans being submitted in July 1994 and 1995? In addition, the HSWA permit requires submittal of the final CMS report within 10 years of issuance of the permit which is the year 2000. LANL's schedule shows a final CMS report in May 2002 twelve years after the effective date of the permit. In a letter dated June 27, 1994, EPA requested updated and revised schedules for all OUs, LANL may include their response to this question in the August 5, 1994 response.

2. **1.3 Description of OU 1082, p. 1-10 (last paragraph)** - EPA's approval of this work plan does not demonstrate concurrence with the Laboratory units that are proposed for no further action (NFA). EPA will indicate which units do not need to be added to the permit for an RCRA Facility Investigation (RFI) and which may be requested for removal from the permit following a Class III permit modification.

3. **Figure 3-1, p. 3-3** - It is unclear where the inset map (MDA P) belongs in this figure. LANL should indicate on the map where the inset is located.

4. **3.4.3.2 Soil, p. 3-10** - The soil-tuff interface on the Pajarito Plateau has not been sufficiently characterized for LANL to state that an impermeable clay zone often forms there.

5. **Table 4-1, p. 4-8** - Are the background concentrations listed specific to this OU, or are they general for the laboratory?

6. **4.2.3 Voluntary Corrective Actions, p. 4-7** - EPA will approve VCA's on a site-by-site basis. All VCA's which are final remedies will require a Class III permit modification.

7. **4.2.4 Active Sites, p. 4-13** - EPA will evaluate corrective actions at active sites on a case-by-case basis. Inactive sites under active sites will be required to be characterized as is appropriate and may not automatically be deferred to decommissioning.

8. **4.3.1 Potential Contaminants of Concern, p. 4-15** - What is the significance of an high explosive compound being used at TA-16 in quantities greater than 10,000 lbs? Were compounds not considered which were used in volumes lower than 10,000 lbs?

9. **4.3.3.1 Conceptual Site Model, p. 4-18** - The upper two feet are considered the surface soils for purposes of the RFI investigation and not the upper 6 inches as stated in this text. LANL shall revise text accordingly.

10. 4.4.1 Criteria for Recommending NFA, p. 33 - No further action (NFA) requests should follow the baseline risk assessment scenarios agreed to by the Technical Assumptions Task Force of 10^{-6} for carcinogens.

Text changed 3rd at 4.4.1 (p 4-43).

11. Table 4-9, Sample Sizes for Reconnaissance Sampling, p. 4-41 Until LANL can provide the standard operating procedure (SOP) for use of this table, and an explanation of how consistency in usage will be maintained, EPA cannot approve this sampling method. A review of the work plan shows that there is no consistency in use of the table; rather it appears that LANL chooses a number of samples they want to analyze and then goes to the table to determine the probability and fraction of site affected.

8-19-94 Table has not changed

12. 4.7.3 Analytical Laboratory Methods, p. 4-48 - LANL shall provide rationale for using a subset of metals from the SW-846 6010 analysis for metals. LANL shall provide an explanation for all the analysis tables which indicate that for "E Semivolatiles (SW 8270), a full suite is PAH". LANL must request a reduction in analysis from 40 CFR Part 261 Appendix IX and provide the basis for that request prior to the initiation of field work.

Two sections added to 4.7.3 (p 4-58)

5.1.1.1 Description and History, p 5-1:

13. SWMU 16-001(c), p. 5-4 - LANL shall provide the dimensions of this tank.

14. SWMU 16-001(d), p. 5-5 -

a. LANL shall provide information related to when this dry well was abandoned and when the floor grooves of building TA-16-208 were plugged if available.

b. Were pesticides ever stored in TA-16-208? If pesticides were stored in this building then they need to be added to the analytical suite.

15. Figure 5-4, p. 5-22 - SWMU 16-003(b) (6 inch VC pipe) is not shown on this figure. LANL shall provide a figure with the approximate location of this unit.

16. 5.1.4 Sampling and Analysis Plans, p. 5-11 - Text indicates that SOPs for some field screening methods are in preparation. All SOPs should be finalized prior to initiation of field work.

17. 5.1.4.3 Sampling, p. 5-13 - LANL shall choose a minimum of three surface samples for laboratory analysis.

18. 5.2 HE Sumps and Outfalls, SWMUs 16-003(a-j, l-o), 16-026(b-e, v, h2,j2), 16-029(a-g), 16-001(e), p. 5-16 - LANL shall sample all sumps and outfalls especially active sumps

tort here

which may continue to discharge hazardous constituents to the environment. LANL may not wait until these units become inactive. LANL shall submit sampling plans for the active outfalls and all sumps within 60 days of receipt of this NOD, and sampling shall occur in FY95.

19. **5.2.1.1 SWMU Descriptions and Histories, SWMU 16-029(g), p. 5-39** - When LANL is using archival information such as an interview from a former lab employee, a location of their work place and dates worked there should be indicated. Text states "Richard Daly, a longtime employee at S-site and past group leader of WX-3 states that no plating operations were ever conducted in the building". The building in question (TA-16-450), was constructed in the early 1950's. Was Mr. Daly employed at S-Site during the early 1950's and later?

20. **5.2.2 Remediation Decisions and Investigation Objectives, Problem Statement (DQO 1), p. 5-57** - Sampling at NPDES outfalls is conducted in order to determine if surface water quality is being impacted. If an outfall was being used prior to being permitted then there were no limits on discharges at that time. Sampling at the outfall does not take into consideration the accumulation of material in the soil at or below an outfall. This material is not sampled under the NPDES permit, and there is no corrective action authority for cleaning up contamination under the NPDES permit. How does the outfall for TA-16-340 relate to the sampling done in Water Canyon?

Only the water is sampled under an NPDES permit?

21. **Decision Logic (DQO Step 5), p. 5-61** - LANL has shown no correlation between the deposition of high explosives (HE) and other hazardous constituents. If LANL removes portions of the drainage based only on the HE content then additional contamination may be missed. LANL shall define the extent of the contamination.

22. **5.2.4 Sampling and Analysis Plans, p, 5-62** -

a. How will samples be collected (spade and scope)? This should be indicated in the text and the SOP should be cited.

b. On page 5-80, first paragraph the fourth sentence indicates that all sample locations will be analyzed for HE, metals, semivolatile organics and radionuclides. Does this mean all samples which are field screened, or does this mean the samples which are defined as clean through the HE screening? By comparing text with the analytical charts it is not clear where samples will be taken for laboratory analysis.

c. Will the three samples taken in the auger core be analyzed for HE, metals, semivolatile organics and radionuclides?

23. **5.2.4.2 Sampling, p. 5-79** - SWMU 16-029(g) samples are

listed for radiation screening in Table 5-20, p. 5-66, but not listed in the text. LANL shall clarify.

24. 5.3.2 Remediation Decisions and Investigations Objectives, p. 5-87 -

a. This area is highly contaminated and sampling should not be delayed until the line is plugged. LANL shall sample this area in FY95, and this includes the sampling of the sumps and especially the feeder troughs.

b. LANL shall sample and analyze the effluent from the NPDES outfall permitted as EPA05A056 for all the parameters as required under permit number NM0028355. LANL shall also analyze this sample and determine the concentrations present of TNT, RDX, HMX, acetone, methyl ethyl ketone, n-butyl acetate and toluene. LANL shall indicate which methods are being used for analysis and the detection limits of those methods. Sampling should occur within thirty-days of receipt of this NOD, and the results shall be sent to EPA upon receipt from the laboratory.

25. 5.3.4.2 Sampling, p. 5-94 - LANL shall revise their sampling plan to include full laboratory analysis for VOCs, SVOCs, metals and HE and its by-products for every 20 feet until 100 feet from the HE pond. Then a surface sample (0-6 inches) should be collected every 60 feet for full laboratory analysis.

Comment # 9 surface soil 0-24" ?

Also, samples deeper than 6 inches should be taken in the drainage where sediment may have accumulated. LANL should also take three samples at the 6 inch to 2 foot depth within the first 100 feet from the pond, and analysis should include VOCs, SVOCs, metals and HE products and by-products.

26. 5.4.1 Background, SWMU 13-003 (a,b), p. 5-97 - Action will not be deferred until decommissioning and demolition (D&D). Should sampling in the drain field or outfall indicate contamination then the rest of the system will be required to be sampled prior to D&D.

27. 5.4.1.1 Description and History, p. 5-97 - Figure 5-52 does not show the drain lines from TA-11-4 and TA-11-1. Only the drain field is indicated in the figure. LANL shall revise the figure to indicate the location of the drain lines, and septic tanks to the drain field. In the future, it would also be helpful that if a figure was not located with text, the page number of the figure would be included in the text (e.g. Figure 5-52, p. 262).

28. Design Criteria (DQO Step 6) p. 5-104 through 5-107 - The explanation for the drain field for these units is incomplete. Are the lines in the drain field perforated so that material flows out along the line, or does it only flow out at the end of

the line? The size of each drain field is not included in this work plan; therefore, LANL shall submit a figure for each drain field indicating the locations samples will be collected. EPA cannot evaluate if the sampling proposed is adequate based on the information presented. LANL may propose a similar sampling approach for these systems, but enough information should be provided for EPA to determine that the sampling proposed is adequate.

29. **5.4.4.1 Engineering Surveys, p. 5-107** - All geomorphic mapping should have been completed prior to submittal of the work plan. Actual sampling locations should be in the work plan.

30. **Outfalls, p. 5-110** - An additional sample should be collected at each outfall from the soil/tuff interface and analyzed for VOC, SVOCs, metals, HE and HE by-products.

31. **5.5.4.1 Engineering Surveys, p. 5-117** - Site mapping should have occurred prior to submittal of the work plan. A detailed figure should be included with sampling locations indicated.

32. **5.5.4.2 Sampling, p. 5-117** - One sample is not adequate for this site. An additional sample should be collected five feet from the first sample. The sample should be collected to the soil/tuff interface and analysis should be for metals, VOCs, SVOCs, and cyanide.

33. **5.6.1.2.1 Nature and Extent of Contamination, p. 5-122, second paragraph** - Explain the meaning of this sentence, "Silver concentration in the soils followed a much more erratic pattern and was always lower in silver than the sediment". In addition, the data from this report (Kasunic et al., 1985) should be included in the workplan.

34. **5.6.4.2 Sampling, p. 5-130** - The proposed sampling plans do not adequately delineate the extent of the contamination. Data excerpted from Kasunic et al. (1985) indicates that at 33 ft down channel the concentration of silver at 3-ft depth was 182 ppm. Sampling should be conducted so that a clean zone beneath the contaminated zone is delineated. Additional corings are required and samples should be collected at the surface (0-6 in.), at 3 feet depth, and at 5 feet depth beginning at the outfall and continuing every 25 feet for the first 100 feet of channel.

35. **5.6.4.3 Laboratory Analysis, p. 5-130** - How does LANL know that silver and cyanide are the only constituents of concern? Were any solvents used in the photoprocessing? What type of acids were used? LANL shall provide an explanation.

36. **5.7.3 Data Needs and Data Quality Objectives, DQO Step 4, p. 5-141** - LANL should consider a slant boring approach underneath most of these structures in order to determine if the

soil has been impacted by past releases.

37. 5.7.4.1 Engineering Surveys, p. 5-145 - LANL shall provide figures with the field surveyed SWMUs and sampling locations. This should have been done prior to submittal of the work plan.

38. 5.7.4.2 Sampling, p. 5-145 -

a. LANL indicates that cored samples will be taken, and then indicates that these samples will be collected at 0-6 in. These statements are contradictory, LANL shall take an additional sample at the soil turf interface or at 2 feet depth which ever comes first.

b. Page 5-147, 1st paragraph - EPA does not understand the reasoning for drilling to three-quarters of the thickness of the Imhoff tank. If LANL is concerned that the tank has leaked then they should drill through the tank or slant drill under the tank. If LANL is concerned that the tank has absorbed hazardous material and is hazardous then, a chip from the first several inches of the bottom of the tank should be analyzed to see if the tank needs to be disposed as hazardous waste. What does LANL mean by the entire core sample will be sent to the laboratory for analysis? LANL shall provide an explanation.

c. Page 5-147, 2nd paragraph - LANL shall explain the rationale behind Table 5-43. Randomization of samples is not appropriate for this area. Any samples which are to be analyzed for VOCs should be field screened and collected in a manner so as to not drive off the VOCs.

39. 5.8.1.1 Description and History, Figure 5-34, p. 5-150 - LANL shall include the location of all the active units which are listed as SWMUs on this figure.

Fig. 5-34 changed - 7 units added.

40. 5.8.1.2 Conceptual Model, p. 5-156 -

a. Page 5-156, paragraph one 4th ¶ of 5.8.1.2.1 - LANL shall clarify the portion of the text which refers to the barium concentrations in the drainage from SWMU 16-016(c) and in the southern drainage. If available, the sampling locations should be included on a figure and the results of all the samples indicated rather than a range.

4th ¶ of 5.8 changed to reflect fig nos. that sh sample location or table no. that show results.

b. Paragraph two 5th ¶ of 5.8.1.2.1 - LANL shall provide the actual data from the single soil sample rather than indicating if SALs were exceeded (Raper and Brown et. al.).

Data provided

41. 5.8.2 Remediation Decisions and Investigation Objectives, p. 5-156- LANL indicates that the open burn/open detonation units are operating under a permit. Technically these units are interim status and are not permitted yet.

1st sentence of DQO step 1 is re-written.

42. 5.8.3 Data Needs and Data Quality Objectives, p. 5-161 - EPA does not agree with assumption number 3 [that the secondary contaminants of concern (semivolatiles, metals other than barium) do not have a different deposition and transport mechanisms than HE, uranium, and barium so field screening for these three contaminants will allow LANL to locate probable high concentrations of other potential contaminants of concern]. This assumption is not valid and may not be used.

Assumption changed. (Lo. 11 of 5.8.3)

43. 5.8.3 Sampling, SWMU 16-010(i), p. 5-~~164~~ 170 - LANL should also take a sample from below the buried pipe at the end of the pipe's length.

One sample added as indicated. p 5-170

44. 5.8.4.2 Sampling, p. 5-167 through 5-171 -

a. SWMU 16-010(a) -

i. LANL shall collect samples at the following depths at the locations with the three maximum barium values: 0-6 inches, two feet and five feet. These samples shall be analyzed for semivolatiles, metals, HE and cyanide. LANL shall provide information on the correlation between field screening for barium using the XRF and laboratory analysis.

Paragraph added after 3rd ¶ of DQO step 6. Also, sampling depths changed in 5.8.4.2 SWMU 16-010(a).

ii. Table 5-46 - LANL shall indicate what analysis shall occur for the ten additional samples which may be collected based on HE screening (only 3 samples are indicated in this table).

Table 5-46 entitled "Summary of Site Surveys, Sampling & Analysis for Burning Ground" table changed

b. SWMU 16-016 (c) -

i. LANL shall provide a figure indicating the location of MDA P in relation to the drainage and samples to be collected.

Fig. 5-36 revised to show location of MDA-P, contours, & additional sampling

ii. Table 5-46 - LANL shall provide an explanation why the two out of four potential samples located in this unit are not be analyzed for semivolatiles and cyanide as are the samples in SWMU 16-016(a). In addition, the table shows 8 samples being analyzed. If field screening indicates barium may have been stored at this area, then LANL shall take core samples at 2 feet and 5 feet and analyze for semivolatiles, metals, HE and cyanide.

Table changed. Text added to 5.8.4.2, SWMU 16-016(c) 3rd ¶

iii. LANL shall extend the area of sampling to the intersection with Cañon de Valle rather than stopping at 210 feet. A sample should be sent for full laboratory analysis every 30 feet until this intersection occurs. Field screening may be used to potentially determine the lateral extent of barium contamination in the drainage ditch; however full delineation of the extent of contamination, including depth, will be required. Therefore, for the three

Text added to 3rd ¶ of DQO step 6.

Paragraph added after 3rd paragraph in 5.8.4.2, 16-016(c)

highest field screened areas for barium within the ditch, LANL shall collect samples at the two foot depth and conduct full laboratory analysis.

c. SWMU 16-010 (h), p. 5-169 - It is unclear from the diagrams and text here and in the rest of the chapter where the potential release of contaminants occurred. Text on page 5-152 indicates that the HE residues were emptied into a floor drain located on the south end of the building which went to the troughs. Is LANL sampling under the connections to the drainage troughs? LANL should provide a better explanation for their sampling rationale. In addition, several samples should be taken deeper than 0-6 inches.

Sampling text changed

d. SWMU 16-010(1), p. 5-170 - LANL shall conduct full laboratory analysis at a minimum of ten sites rather than a minimum of three sites. At the three samples with the highest field screening results an additional sample should be collected at two feet or the soil/tuff interface (3 samples at 2 feet) and undergo full laboratory analysis.

No text change made; response depends existing sampling plan.

e. South drainage, p. 5-171 - At the three locations where sediment traps are sampled, a deeper sample at the sediment to tuff interface should also be analyzed for SVOCs, metals, HE and cyanide.

Paragraph added to 5.9.4.2, South drainage.

<u>Cañon de Valle</u>

45. 5.9.3 Data Needs and Data Quality Objectives, p. 5-178 - LANL shall explain what is meant by "realistic exposure scenarios".

46. Design Criteria (DQO Step 6), p. 5-181 - Text in the first paragraph indicates that 30 samples are adequate for an initial baseline risk assessment while text in the second paragraph indicates that only 10 samples will be submitted for laboratory analysis. In addition, Table 5-52 indicates that 40 sediment samples will be sent for laboratory analysis. LANL shall clarify how many samples are actually being taken and submitted for laboratory analysis.

47. 5.9.4.2 Sampling Cañon de Valle, p. 5-184 - Text here and under Decision Logic (DQO Step 5) indicate that subsurface sampling is being performed. The sampling indicated is not considered subsurface by EPA. The top two feet are considered surface soils. LANL shall revise text in response to this comment.

It is unclear from the text how many samples will be selected from below the 0-6 inch depth. LANL shall provide clarification.

MDA R, SWMU 16-019

48. **5.10.1.1 Description and History, p. 5-186** - LANL shall provide a figure of the site based on the 1984 aerial photographs or indicate on Figure 5-41 the location of the original three burning areas.

49. **5.10.1.2.1 Nature and Extent of Contamination, p. 5-187** - Why are the potential contaminants of concern (PCOC) different than the contaminants of concern listed (e.g. semivolatiles, fuel oil). Table 5-53 should include these potential contaminants. LANL shall revise the table to include all contaminants of concern.

50. **Design Criteria (DQO Step 6), p. 5-193** -

a. **Paragraph two** - The probabilities for the statistical analysis are low; EPA would like to see a probability of 90% if 10% of the site was contaminated for the surface. Therefore, LANL shall take 22 near surface samples.

b. **Paragraph three** - The probabilities for the statistical analysis seem low; therefore, EPA would like to see a probability of 90% if 15% of the site is contaminated or 15 samples from the drainage.

51. **5.10.4.2 Sampling, p. 5-197** -

a. **Second paragraph,** - EPA recommends that of the randomized samples six become biased samples which will be collected at obvious drainages near the canyon rim and the topographic depressions within MDA-R. In addition, if the bottom 6 inch interval is above background for radiation, barium or HE then it should be submitted for laboratory analysis.

b. **Fourth paragraph, Eight drill cores** - If LANL only takes one of the 1-6" samples for analysis then the actual vertical extent of contamination will be hard to define. Rather, if one of the segments other than the bottom 6 inch segment has a positive reading then LANL shall also submit the bottom segment for laboratory analysis. If the bottom segment of the core segment has a positive reading then LANL shall core deeper, and take an additional sample every two feet until no positive readings are made for HE, radiation or barium. LANL shall also sample and analyze the 15 randomized three-foot cores in the same manner, thereby defining the depth of any contamination.

52. **5.10.4.3 Laboratory Analysis, p. 5-199** - LANL shall submit a list of the semivolatile organics for which analysis is being conducted.

5.11 Surface Waste Disposal Areas, SWMUs 16-009 and 16-016(a,b)

Sentence added after CEARP ref. DOE 1987, 0264

53. 5.11.1.1 Description and History, p. 5-202 - SWMU 16-016(b) - What types of HE contamination were found in the CEARP field survey and at what amounts?

54. 5.11.4.3 Sampling, SWMU 16-009, p. 5-210 -

Text added to DQO Step 6, Table 5-5; sampler added; 5.11.4.3 num of samples increased.

a. Three samples over this area (approximately 180,000 sq. ft.) is not adequate. LANL shall analyze a minimum of twenty samples from this area. If a surface soil sample indicates radioactivity or barium levels above background then the bottom portion of the 3 foot interval should also be sent in for analysis. This extra sample should be in addition to the minimum of twenty samples required. In addition, LANL does not know that this area was not used for burning HE; therefore fifty percent of the samples should at least be field screened for HE. If field screening indicates positive results then laboratory analysis should occur for those samples.

Paragraph added to 5.11.4.3 to explain

b. LANL shall provide a better explanation of how samples will be collected from this area. Are 6-inch sections from each three foot core being screened as in other parts of the work plan, and then will that 6 inch sample be sent for analysis if field screening indicates barium or radioactivity above background? How and over what interval will the samples be homogenized?

Sentence added 5.11.4.3 SWMU 16-016(b) to send positive samples to laboratory.

c. SWMU 16-016(b), p. 5-213 - Any surface samples with positive HE field screening results should be submitted for laboratory analysis.

TA-16 Waste Water Ponds Aggregate, SWMU 16-007(a) and SWMU 16-008(a)

55. 5.12.4.2 Sampling, p. 5-222 - SWMU 16-007(a) -

a. LANL shall not homogenize over the 5 ft. core interval for one sample. LANL shall obtain samples from 6 inches or less of core. This will allow for less dilution of the sample and make it easier to determine the depth of any contamination.

b. The original description of these ponds indicates that material was probably deposited between 8 and 10 feet depth from the surface; therefore, cores to a depth of 10 feet may not adequately define the possible contamination. LANL shall core to a depth of 15 feet at each sampling location. Should field screening not indicate any potential contaminants of concern then LANL shall submit a sample from the 8-10 ft. depth for two out of the three cores drilled in each pond. This will make a total of 8 samples sent for laboratory analysis.

56. SWMU 16-008(a), p. 5-224 -

a. LANL shall not homogenize over the 5 ft. core interval as above, but should obtain samples from 6 inch intervals. Should the bottom 6 inches of core indicate potential contaminants of concern (PCOC) then the depth of contamination should be delineated and an additional 5 ft. core should be taken. This core should also be screened and an additional sample analyzed where any PCOC are indicated. If no PCOC are indicated then the sample 2 ft. below the last positively field screened interval for PCOC should be submitted for analysis.

b. A comparison of Figure 5-46 and text for sampling of this SWMU is confusing. LANL shall explain the total number of cores that will be taken and field screened for PCOC.

TA-13 (P-Site), SWMUs 13-001, 13-002, 13-004, 16-035, 16-036

57. 5.13.1.1 Description and History, p. 5-229 - LANL shall provide an explanation or better history description for SWMUs 16-035 and 16-036. Why does LANL suspect contamination beneath the bunkers?

58. Design Criteria (DQO Step 6), p. 5-234 - SWMUs 13-004, 16-035, and 16-036 - What percentage of these SWMUs is anticipated to be contaminated? LANL indicates two very different levels of contamination and probability of detecting that contamination. LANL shall provide an explanation for the sampling size. In addition, EPA would prefer to see a minimum of 90% probability of determining if contamination is present.

59. 5.13.4.3 Sampling, p. 5-239 -

a. Figure 5-48 does not show the location of the drainage or drainage samples. LANL shall provide a figure with this information.

b. In addition the survey grid (Figure 5-48) does not cover the entire SWMU 13-002. LANL shall provide an explanation for this.

c. It is unclear from text how the 38 samples for laboratory analysis will be selected from this firing site. Shallow surface sampling (0-18 inches) in prominent drainages and topographic lows could be used to supplement the grid samples.

d. SWMUs 13-004, 16-036, and 16-035, p. 5-240 - Based on the response to the questions on DQO Step 6 and Description and History above, EPA may determine that additional samples will be required.

5.14 TA-11 Firing Site Aggregate, PRSs 11-001 (a,b), 11-002, 11-003(b), 11-004(a-f), 11-006(a-d), C-11-001, p. 5-242 -

60. 5.14.1.1 Description and History -

a. SWMU 11-001(a), p. 5-245 - What type of HE was used in experiments in the firing pit? LANL shall provide a better description of the activities which occurred at this unit.

b. LANL shall provide a figure with more detail of the SWMUs, as Figure 5-49 is good for an overall picture, but does not have the detail required to examine SWMU size and locations.

c. SWMU 11-001(b), p. 5-245 - What type of HE was used at this site?

d. SWMU 11-004, p. 5-247 - What type of HE has been used at this SWMU?

e. SWMU 11-002, p. 5-248 - Has this unit been used since 1992? Does the unit have interim status and will it receive a permit?

61. 5.14.1.2.2 Potential Pathways and Exposure Routes, p. 5-250 - What is the schedule for use of this site? What is the date for decommissioning this site? LANL shall submit workplans for the subsurface potential release sites within 90 days of receipt of this NOD. Based on the response to the above questions work on subsurface units may or may not be deferred until the site is decommissioned.

62. 5.14.4.2 Sampling, p. 5-258 -

a. The drainage area from SWMU 11-006(c) should also be sampled and undergo analysis for the full suite of analytes.

b. North and South drainages - All the samples should be submitted for a full suite laboratory analysis not just the first and last.

5.15 TA-11 Outfalls Aggregate, SWMU 11-005(c), SWMUs 11-011(a-c)

63. 5.15.1.1 Description and History, p. 5-260 - LANL should provide the dates of operation for all these outfalls.

64. 5.15.4.2 Sampling, p. 5-268 -

a. Outfalls on moderate slopes - LANL shall collect an additional sample for laboratory analysis 4-6 feet away from the outfall discharge point.

b. Paragraph four - Text indicates that two samples with the highest filed screening readings will be selected for laboratory

analysis. This contradicts text in Design Criteria (DQO Step 6) on page 5-266 which indicates that "three samples per core will be submitted for full laboratory analysis". LANL should clarify what analysis will be conducted.

5.16 TA-11 Potential Surface Contamination Aggregate, SWMU 1-001(c), SWMU 11-012(a-d), C-11-002

65. **5.16.1.1 Description and History, C-11-002: TA-11-12, p. 5-274** - LANL shall provide additional information on this unit. Is it visible in any of the aerial photographs reviewed. Based on the information provided it should probably be included as a SWMU and be included in the permit.

66. **5.16.4.2 Sampling, p. 5-278** -

a. LANL shall clarify the sampling procedures to be used. Will the entire 18 inches of core be analyzed as one sample. Why are 300 ml of core required?

b. For SWMU 11-001(c) which is a former burn pit, sampling should occur to 3 feet in depth. LANL shall take at least two samples per core.

5.17 Decommissioned Waste Storage Area, SWMU 16-013

67. **5.17.1.2.1 Nature and Extent of Contamination, p. 5-286** - LANL shall describe what is meant by the area has been cleaned. What does this include? 1 sentence added. The cleaning consist... of

68. **5.17.4.2 Sampling, p. 5-289** - Any areas of staining should be preferentially sampled. If no samples have a positive screening for PCOC's then LANL shall send 2 samples collected from obvious down gradient portions along the edge of the asphalt pad for laboratory analysis. 3 sent added to end of 5.17.4.2

69. **5.17.4.3 Laboratory Analysis, p. 5-291** - Why is LANL conducting laboratory analysis for VOCs when samples are being taken from the top 6 inches? Ref to VOCs deleted

Chapter 6

70. **Table 6-1, p. 6-1** - EPA does not necessarily agree with the criteria for no further action or deferred action. Each unit will be evaluated separately. Undergoing voluntary corrective action is not a reason for deferral.

71. **6.1.1.1.1 Background, p. 6-3** -

a. EPA does not approve deferral of any site which is beneath one of the open burn/detonation units (16-005(g)). These units must be sampled and a workplan submitted within 90 days detailing the

sampling of these units. Removal of the interim status units which will receive a permit will be approved with concurrence of NMED.

b. SWMU 16-010(d), p. 6-4 - Has this unit also been converted to a burn table and is it currently active?

72. 6.1.2.1.2 Rationale for Recommendation, Inactive Surface Impoundment. p. 6-7 - Has NMED approved the actual closure of this unit? With concurrence from NMED, LANL may request removal from the permit via a Class 3 permit modification.

73. 6.1.3.1.1 Background, SWMU 16-010(g) - LANL may request removal of this unit from the permit by a Class 3 permit modification. If this unit did not handle or manage solid waste then it should not be listed as a SWMU.

With approval from NMED, LANL may request removal of the following units by a Class 3 modification from the HSWA portion of the permit:

16-012 (d,i,j,l,m,n,t,u,x)
16-012(p)
16-012(a2)
11-011(c)
16-006(f)

74. MDA P - NMED has the lead for this unit and all activities should be covered under closure requirements. LANL may request removal of this unit from the HSWA portion of the RCRA permit by a Class 3 permit modification.

75. 6.1.5.1.3 Rationale for Recommendation, SWMU 11-007 p. 6-14 - The reason to recommend this unit for no further action should be that it does not meet the definition of a SWMU. LANL may request removal of this unit from the permit by a Class 3 permit modification.

76. 6.1.5.2 MDA S, SWMU 11-009, p. 6-14 - What procedures are in place to ensure there will be no release of materials from this SWMU. If the SWMU is defined by the area of the fence then investigation of this site may be deferred until completion of the experiment.

77. 6.1.5.3.1 SWMU 16-005(n), p. 6-16 - Archival information does not appear sufficient to no further action this SWMU. This unit should be investigated and a sampling plan should be submitted within 90 days.

78. 6.1.5.4.1 SWMU 16-005(o), p. 6-17 - Was there ever any other use for building TA-16-101 other than a guard house? If this unit only served a guard house then EPA concurs that no

further action is required.

79. 6.1.5.5.2 Recommendation SWMU 16-006(b), p. 6-18 - Why is this listed as an active septic system when the guard house it serves is inactive? LANL may request removal of this unit from the permit.

80. 6.1.5.7 Rest Houses SWMUs 16-012 (a-z) and 11-010(a), p. 6-19 - What is the function of the drains associated with the rest houses? Why do the drains lead to high-explosive sumps if there is no problem with the handling of HE at these sites. LANL needs to provide additional information prior to consideration of no further action by EPA. Figures should be provided.

81. The following units do not need to be added to the permit:

SWMU 16-007(b)	SWMU 37-001
SWMU 11-003(a)	C-11-003
SWMU 11-008	
SWMU 11-010(b)	

August 11, 1994
EM/ER:94-J330
M992
505-667-0808

Mr. Joseph Vozella, Chief
Environment, Safety, and Health Branch
US Department of Energy
Los Alamos Area Office, MS A316
Los Alamos, NM 87544

Dear Mr. Vozella:

SUBJECT: RESPONSE TO NOTICE OF DEFICIENCY (NOD) CONCERNING OPERABLE UNIT (OU) 1082 RESOURCE CONSERVATION AND RECOVERY ACT FACILITY INVESTIGATION (RFI) WORK PLAN WORK BREAKDOWN STRUCTURE NUMBER 1.4.2.6.1.7.1.2

Enclosed is the Los Alamos National Laboratory's response to the Environmental Protection Agency's Notice of Deficiency concerning the OU 1082 RFI Work Plan and a certification form signed by the appropriate Laboratory official. The NOD was received at the Los Alamos Area Office on July 18, 1994. A response within thirty days is required by the regulatory agency.

The enclosed response shows the comments from the NOD and proposed text changes. A documented quality review of the enclosed response has been performed in accordance with procedure LANL-ER-AP-01.3.

Please let me know if there are questions about this response to the NOD, or contact Brad Martin of my staff at 667-6080. I would appreciate having the response and the signed certification form set to the Environmental Protection Agency, Region 6, by August 17, 1994, to meet the required deadline.

Sincerely,

for Jorg Jansen, Project Manager
Environmental Restoration

JJ/rfr

Enclosure: Responses to NOD
Certification Form

Cy: T. Baca, EM, MS J591
J. Shipley, EM, MS J591
B. Martin, CST-6, MS E525
B. Koch, LAAO, MS A316
J. Levings, ERPO, MS A906
EM/ER File, MS M992
RPF, MS M707
CIC-10, MS A150, w/o enclosure

94 -

Los Alamos

Los Alamos National Laboratory
Los Alamos, New Mexico 87544

INTERNAL/EXTERNAL DOCUMENTAPPROVAL

NOTE: Please furnish CRMO with two copies of this form. An approved copy will be returned to the originating office.

Please contact Group Office immediately after signature for pick up at 5-4558.

Document Date: 8/11/94

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	MAIL STOP	AUTHORIZING OFFICIAL	SIGNATURE	APPROVE YES	APPROVE NO	DATE SENT
2	M992	Jorg Jansen Project Manager by		✓		8/12/94
1	M992	Brad Martin, FPL	Brad Martin	✓		8/12/94
	M992					
	M992					
		Associate Director(s)				
6	K491	ESH DO Dennis Erickson		✓		8/15/94
	F674	OS-6 (Classification)	pls note p. 8 the detection limits not specified?			
		Budget Division				(24b)
		MAT				
5	J591	EM Program Director Tom Baca		✓		8/12/94
		PA				
4	A183	Legal Counsel Cheryl Mack	Cheryl Mack	✓		8-15-94
3	K490	Other Pat Shanley	P Shanley	✓		8-11-94
		ESH-8 Gp Ldr.	J S [illegible], Actg Gp Ldr			
	A150	CRMO (for dispatch)				
		Originator				

*Reason(s) for disapproval.

Recommendation: Please approve and sign letter.

NOD concerning OU 1082 RFI work plan work breakdown structure number 1.4.2.6.1.7.1.2

Form Number CRM-35 (6/85)
ST-2640

rlr/ERM form

Los Alamos
NATIONAL LABORATORY
ENVIRONMENT, SAFETY, AND HEALTH

DLE 8/15

- [x] Signature
- [ ] Review
- [ ] Approval
- [ ] FYI

To: DENNIS ERICKSON
(Provide name of individual whose signature is requested.)

Please provide the information requested in the boxes below.

Author/Originator	Phone	Group	Check here if Urgent
DON HICKMOT	78753	EES-1	[x]
Subject: Response to OU 1082 RFI WORK PLAN NOD			Due Date
Type of Document (memo, letter, other? include any identifiers): Letter			

PRIOR APPROVALS

Be sure that all appropriate prior approvals are recorded before forwarding the document.

iginating Office (print name): BRAD MARTIN	Signature: Brad Martin	Date: 8/11/94
eviewer #1 (print name): PAT SHANLEY	Signature: P Shanley	Date: 8-11-94
eviewer #2 (print name):	Signature:	Date:

Use this space to provide pertinent information (see instructions and suggestions on the back of this form).

Document responds to EPA's NOD comments for the OU 1082 RFI Work Plan. The Work Plan was submitted July 93. A total of 81 specific and 9 general comments are addressed. The NOD requires that w/in 60 days, and another in 90 days 2 additional sampling plans be submitted. These will be prepared by the ER OU 1082 team in the near future.

Return to: DON HICKMOT Mail Stop _____ Telephone number 78753

Forwarding Instructions _____

Attachment 2 (ESH-DO: 94-059)

ESH 94-006

CERTIFICATION

I certify under penalty of law that these documents and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violation.

Document Title:

Response to NOD for RFI Work Plan for OU 1082

Name: _____ Date: 8/15/94

Dennis Erickson
Division Director
Los Alamos National Laboratory

Name: _____ Date: _____

Joseph Vozella, Chief
Environment, Safety, and Health Branch
DOE-Los Alamos Area Office

OU 1082 NOD RESPONSE

BOLD text is the EPA NOD comments.

<u>General comments:</u>

1. The baseline risk assessment should use a residential scenario with a 10^{-6} risk until agreement is reached with stakeholders as to future land use scenarios.
LANL concurs. LANL realizes that it is required to have stakeholder input in order to apply land use scenarios other than the residential scenario with a 10^{-6} risk in the baseline risk assessment. The OU 1082 work plan will be revised to reflect this point.

2. LANL should note that identification of potential contaminants of concern below screening action levels does not automatically lead to a determination of no further action. The extent of any release must be identified, and if this does not occur in Phase I sampling then it should in Phase II.
Per our conversation of August 8, 1994, this comment is being addressed on a project-wide basis.

3. The format used for the HE sumps is very poor. The sampling plans or figures should be included with the description of each sump. In addition, text skips back and forth between different figures and sump numbers which adds confusion in reading the text. For example, all the SWMUs associated with Figure 5-4 should be discussed together rather than split up.
LANL will reorganize the HE sump subsection to improve the presentation of the sampling plans and figures. In particular, based on our conversation of August 8, 1994, LANL will provide additional copies of location or sampling figures to improve document readability.

4. More emphasis should be placed on the actual sampling plans rather than on the data quality objectives. The sampling plans are the most important part of the work plan, and yet there is little detail in the work plan related to this. All work plans should be third party executable.
LANL concurs. LANL is currently developing a field implementation plan for OU 1082 RFI Phase I sampling and analysis. This field implementation plan is scheduled to be complete before the readiness review for late spring field activities. As we discussed in the August 8, 1994 conference call, we will not submit this implementation plan. LANL will submit the revised work plan by December 1, 1994 per our discussion of August 8, 1994.

5. Engineering surveys for locating sampling points should have been conducted prior to writing the work plan. Actual sampling points should be included in the work plan.
Per our conversation of August 8, 1994, LANL did conduct extensive field surveys before writing the work plan. These field surveys were essential in developing sample numbers and locations for all sites. The work plan includes actual sampling points, with the exception of Chapter 5 subsection 4. The work plan will be revised to emphasize that detailed field surveys have been done.

6. Approval of any portion of this work plan by EPA does not constitute approval of a voluntary corrective action at any SWMU. LANL shall provide a work plan for each proposed VCA.
LANL concurs. LANL will submit a VCA work plan per the technical assumptions document and other negotiated agreements between LANL and EPA, and any indications to the contrary in the text will be corrected.

7. LANL should provide dates (as available) for when MDA's, lagoons, pits, outfall, etc. become abandoned or inactive. LANL shall indicate whether units are permitted (RCRA, NPDES etc.) or are interim status.
In cases where such information is not already included, LANL will provide dates when various SWMUs or AOCs became abandoned or inactive. In cases where exact dates are not available, LANL will explicitly state that archival reviews and interviews did not provide exact dates that sites became inactive. LANL will also indicate the status of permitted or interim status SWMUs.

8. Discrete rather than composite samples should be collected in the following sections of the work plan: Section 5.4.4.3 (p.5-110), Section 5.14.4.2 (p.5-258), and Section 5.16.4.2 (p.5-278).
See responses to specific sampling plans below:
LANL will take discrete samples for septic outfalls (Subsection 5.4.4.3)
LANL will submit discrete samples from the bottom core or soil-tuff interface in the absence of positive field indicators (Subsection 5.14.4.2).
See response to specific comment 66a (Subsection 5.16.4.2).

9. All figures of SWMUs with sampling locations or which denote the locations of SWMUs should have contour lines.
LANL concurs. LANL will produce revised septic sampling figures, which will have contour lines depicted. For some of the septic systems there are no engineering drawings that indicate the location of drain fields. In these cases, locations of soil cores in the drain field will be made after field trenching documents locates the drain lines. LANL will verify that all other sampling figures have contour lines.

Specific comments:

1. Executive Summary, p. ES-6 Milestone Chart - Does the five years for completion of the RFI field work include completion of field work for the additional work plans being submitted in July 1994 and 1995? In addition, the HSWA permit requires submittal of the final CMS report within 10 years of issuance of the permit which is the year 2000. LANL's schedule shows a final CMS report in May 2002 twelve years after the effective date of the permit. In a letter dated June 27, 1994, EPA requested updated and revised schedules for all OUs, LANL may include their response to this question in the August 5, 1994 response.
The plan to update the schedule matrix has been submitted by the Project Office on August 5, 1994, and will be further discussed during your August visit to LANL.

2. 1.3 Description of OU 1082, p. 1-10 (last paragraph) - EPA's approval of this work plan does not demonstrate concurrence with the Laboratory units that are proposed for no further action (NFA). EPA will indicate which units do not need to be added to the permit for an RCRA Facility Investigation (RFI) and which may be requested for removal from the permit following a Class III permit modification.
LANL concurs. LANL will modify text to "these SWMUs will be proposed for a permit modification and formal EPA approval will occur when the permit modification is accepted."

3. Figure 3-1, p. 3-3 - It is unclear where the inset map (MDA P) belongs in this figure. LANL should indicate on the map where the inset is located.
LANL concurs. The location of the inset map will be shown more clearly on Figure 3-1.

4. 3.4.3.2 Soil, p. 3-10 - The soil-tuff interface on the Pajarito Plateau has not been sufficiently characterized for LANL to state that an impermeable clay zone often forms there.
LANL concurs. The paragraph will be deleted.

5. Table 4-1, p. 4-8 - Are the background concentrations listed specific to this OU, or are they general for the laboratory?
Background concentration data are general for LANL; however, some background samples were collected at TA-16. Footnote (7) on p. 4-8 will be modified to clarify this point.

6. 4.2.3 Voluntary Corrective Actions, p. 4-7 - EPA will approve VCA's on a site-by-site basis. All VCA's which are final remedies will require a Class III permit modification.
LANL concurs. LANL will submit a Class III permit modification as the mechanism of EPA approval of the VCA as a final remedy, and any indications to the contrary in the text will be corrected.

7. 4.2.4 Active Sites, p. 4-13 - EPA will evaluate corrective actions at active sites on a case-by-case basis. Inactive sites under active sites will be required to be characterized as is appropriate and may not automatically be deferred to decommissioning.

LANL concurs. Per our conversation of August 8, 1994, this determination will be made on a case-by-case basis and any indications to the contrary in the text will be revised.

8. 4.3.1 Potential Contaminants of Concern, p. 4-15 - What is the significance of an high explosive compound being used at TA-16 in quantities greater than 10,000 lbs? Were compounds not considered which were used in volumes lower than 10,000 lbs?
All compounds will be identified (via GC scans), but the compounds that were more commonly used (e.g., >10,000 lbs) will be identified and quantified when possible. Many of the less commonly used compounds listed in Table 4-1 do not have toxicological data and cannot be quantified using SW-846 methods. The text will be modified to clarify this point.

9. 4.3.3.1 Conceptual Site Model, p. 4-18 - The upper two feet are considered the surface soils for purposes of the RFI investigation and not the upper 6 inches as stated in this text. LANL shall revise text accordingly.
LANL concurs. Text will be modified to indicate that surface soil is generally 24 in., but samples will be taken to represent the soil horizon that is most likely to contain contaminants. Note that LANL soils are generally thin (< 3 ft.) so in many cases 0-24 in. will extend to the soil-tuff interface.

10. 4.4.1 Criteria for Recommending NFA, p. 33 - No further action (NFA) requests should follow the baseline risk assessment scenarios agreed to by the Technical Assumptions Task Force of 10^{-6} for carcinogens.
LANL concurs. See response to general comment 1. The text will be modified.

11. Table 4-9, Sample Sizes for Reconnaissance Sampling, p. 4-41 Until LANL can provide the standard operating procedure (SOP) for use of this table, and an explanation of how consistency in usage will be maintained, EPA cannot approve this sampling method. A review of the work plan shows that there is no consistency in use of the table; rather it appears that LANL chooses a number of samples they want to analyze and then goes to the table to determine the probability and fraction of site affected.
Per our conversation of August 8, 1994, within 90 days, LANL will provide a guidance document on the development of sample sizes for reconnaissance sampling using the nomogram table. The information in this document will ultimately be incorporated into the IWP.

12. 4.7.3 Analytical Laboratory Methods, p. 4-48 - LANL shall provide rationale for using a subset of metals from the SW-846 6010 analysis for metals. LANL shall provide an explanation for all the analysis tables which indicate that for "E Semivolatiles (SW 8270), a full suite is PAH". LANL must request a reduction in analysis from 40 CFR Part 261 Appendix IX and provide the basis for that request prior to the initiation of field work.
Based on an extensive review of H-Division reports, X-Division reports, GMX-Division reports, and WX-Division reports, LANL has direct evidence for the use of the following metals in processes at TA-16: barium, beryllium, cadmium, chromium, copper, lead nickel, silver, thallium, zinc and mercury (mercury was added during our research for Addendum I). LANL had proposed a reduced metal suite to control QA/QC and data validation costs relative to the full suite of 6010 metals. The ICP data for the other

metals (i.e. arsenic, selenium, tin) will be collected, but these data will not be extensively validated. Unless you advise otherwise, LANL will formally provide such a request for a reduction in QA/validation on select metals to EPA prior to initiation of field work.

The "full suite is PAH" statement is misleading. LANL's intention was to emphasize that PAHs are included on the analyte list for SW-846 Method 8270. This text will be clarified and the footnote with PAHs as a parenthetical note will be revised. This deletion will affect the sampling-analysis tables for aggregates 5.8, 5.9, 5.10, and 5.11.

5.1.1.1 Description and History, p 5-1:

13. SWMU 16-001(c), p. 5-4 - LANL shall provide the dimensions of this tank.
LANL concurs. Engineering drawing ENG-C-28874 shows TA-16-541, a blow-down tank, as 7 ft. long and 4 ft. in diameter. The volume of this tank is approximately 650 gals. The text will be modified to incorporate this information.

14. SWMU 16-001(d), p. 5-5 -

a. LANL shall provide information related to when this dry well was abandoned and when the floor grooves of building TA-16-208 were plugged if available.
The date that dry well was abandoned is not known. The discharge from the floor grooves was plugged in May 1993, following the Tiger Team visit. This information will be added to the text.

b. Were pesticides ever stored in TA-16-208? If pesticides were stored in this building then they need to be added to the analytical suite.
Pesticides were not stored in this building based on our archival research. It was a solvent/petroleum products storage building. Specific pesticide storage buildings existed at TA-3; it is unlikely that the operating group would have had any occasion to use pesticides at TA-16 inasmuch as pesticide application was a lab-wide activity.

15. Figure 5-4, p. 5-22 - SWMU 16-003(b) (6 inch VC pipe) is not shown on this figure. LANL shall provide a figure with the approximate location of this unit.
SWMU 16-003(b) is shown on Figure 5-1 as cited, but as a part of response to general comment 3 an additional copy of Figure 5-1 will be provided in this subsection.

16. 5.1.4 Sampling and Analysis Plans, p. 5-11 - Text indicates that SOPs for some field screening methods are in preparation. All SOPs should be finalized prior to initiation of field work.
LANL concurs. SOPs will be finalized before initialization of field work. Note the LANL-ER-AP-1.06 "Approval Process for External Procedures Used in the Environmental Restoration Program" is a mechanism for facilitating approval of other organization's SOPs as ER SOPs. We plan to use this procedure to finalize SOPs for the HE spot test and the field-based XRF.

17. 5.1.4.3 Sampling, p. 5-13 - LANL shall choose a minimum of three surface samples for laboratory analysis.

LANL concurs. The number of surface samples will be increased to three samples, and the design criteria will be modified to reflect that each blowdown tank will have a minimum of one surface sample each. The sampling Figure 5-3 and the sampling Table 5-3 will be modified.

18. 5.2 HE Sumps and Outfalls, SWMUs 16-003(a-j, l-o), 16-026(b-e, v, h2,j2), 16-029(a-g), 16-001(e), p. 5-16 - LANL shall sample all sumps and outfalls especially active sumps which may continue to discharge hazardous constituents to the environment. LANL may not wait until these units become inactive. LANL shall submit sampling plans for the active outfalls and all sumps within 60 days of receipt of this NOD, and sampling shall occur in FY95.

Per our conversation of August 8 1994, LANL will sample all outfalls (active and inactive). If contamination is detected in the outfall, then all sumps upstream of that outfall will be sampled. Sampling of sumps upgradient to contaminated outfalls will include a visual inspection of the interior of the sump and a single angle coring under the sump. LANL will submit revised sampling figures and plans for these SWMUs for EPA consideration by September 16, 1994.

19. 5.2.1.1 SWMU Descriptions and Histories, SWMU 16-029(g), p. 5-39 - When LANL is using archival information such as an interview from a former lab employee, a location of their work place and dates worked there should be indicated. Text states "Richard Daly, a longtime employee at S-site and past group leader of WX-3 states that no plating operations were ever conducted in the building". The building in question (TA-16-450), was constructed in the early 1950's. Was Mr. Daly employed at S-Site during the early 1950's and later?

Mr. Daly began working as a staff member with GMX-3 at S-Site in 1956. He was promoted to Deputy Group Leader in 1977 and Group Leader in 1980. He retired in 1983. The text will be modified to reflect this information.

20. 5.2.2 Remediation Decisions and Investigation Objectives, Problem Statement (DQO 1), p. 5-57 - Sampling at NPDES outfalls is conducted in order to determine if surface water quality is being impacted. If an outfall was being used prior to being permitted then there were no limits on discharges at that time. Sampling at the outfall does not take into consideration the accumulation of material in the soil at or below an outfall. This material is not sampled under the NPDES permit, and there is no corrective action authority for cleaning up contamination under the NPDES permit. How does the outfall for TA-16-340 relate to the sampling done in Water Canyon?

LANL concurs that NPDES effluent sampling is not adequate to characterize the soil located at locations which received discharge prior to NPDES permitting. The currently permitted discharge is adequately sample and monitored per LANL's NPDES permit. Please note that TA-16-340's monitoring adequately characterizes the discharge from the outfall. LANL will be sampling the historically potentially impacted sediments and soils at many NPDES outfalls (see response to specific comment 18 above). Sampling in Water Canyon was mentioned to show that there is no off-LANL migration of contaminants released from TA-16. The text will be clarified.

21. Decision Logic (DQO Step 5), p. 5-61 - LANL has shown no correlation between the deposition of high explosives (HE) and other hazardous constituents.

If LANL removes portions of the drainage based only on the HE content then additional contamination may be missed. LANL shall define the extent of the contamination.
The strategy behind the sampling and analysis plans for these drainages may not have been clear. First, the HE spot test will define the portion of the drainage that is HE contaminated. Existing data shows only HE contamination. Second, LANL will propose a mini-VCA for the HE-contaminated portion of the drainage. Third, sampling will occur in the portions of the drainage adjacent to the VCA (mostly downgradient) and below the remediated area. The laboratory sampling will be based on the complete list of PCOCs for each sump/drainage SWMU (see Table 5-20), enabling LANL to evaluate other hazardous constituents on the portion of each drainage that was not remediated during the VCA. LANL will add one (for a total of two) subsurface core in the contaminated zone to further define the concentrations of potential contaminants with migration properties different from HE. This strategy assumes that there will be no waste disposal or treatment issues relating to the HE-contaminated zone. The DQOs and sampling plans will be clarified to reflect this decision process. These five lab samples in the surface drainage and two cores in the subsurface should define the extent of all PCOCs in each drainage. (These sampling plans were designed in support of the potential VCAs).

22. 5.2.4 Sampling and Analysis Plans, p, 5-62 -

a. How will samples be collected (spade and scope)? This should be indicated in the text and the SOP should be cited.
LANL concurs. LANL will modify Table 5-19 to include spade and scoop (LANL ER-SOP 06.09), and references to the type of surface samples taken by each SOP will be clarified.

b. On page 5-80, first paragraph the fourth sentence indicates that all sample locations will be analyzed for HE, metals, semivolatile organics and radionuclides. Does this mean all samples which are field screened, or does this mean the samples which are defined as clean through the HE screening? By comparing text with the analytical charts it is not clear where samples will be taken for laboratory analysis.
LANL concurs. LANL will clarify the text. The intention is to analyze five surface samples downgradient of where there are no positive HE spot test readings in the laboratory (3 plus 2 as described in the text).

c. Will the three samples taken in the auger core be analyzed for HE, metals, semivolatile organics and radionuclides?
The auger samples will be analyzed for HE, metals, VOCS, SVOCs, and radionuclides (the latter in drainages from buildings handling uranium). LANL will modify text to be more consistent with Table 5-20 where organics refers to volatile and semivolatile organic compounds.

23. 5.2.4.2 Sampling, p. 5-79 - SWMU 16-029(g) samples are listed for radiation screening in Table 5-20, p. 5-66, but not listed in the text. LANL shall clarify.
LANL concurs. LANL will add SWMU 16-029(g) to the text on pg. 5-79 for radionuclide analyses.

24. 5.3.2 Remediation Decisions and Investigations Objectives, p. 5-87 -

a. This area is highly contaminated and sampling should not be delayed until the line is plugged. LANL shall sample this area in FY95, and this includes the sampling of the sumps and especially the feeder troughs.
Per our discussion of August 8 1994, in FY 1995 LANL will sample the portion of the TA-16-260 outfall where there is no water flowing. The major goal of this effort is to determine if characterization of contamination is adequate (we know HE and barium are present, but other constituents are poorly characterized). This sampling will also address waste disposal and remediation data needs. We will also propose five angle samples under TA-16-260 sumps and five under troughs in support of a baseline risk assessment for these units using a construction worker scenario. The locations will be based on visual inspection for cracks and flaws in the units.

b. LANL shall sample and analyze the effluent from the NPDES outfall permitted as EPA05A056 for all the parameters as required under permit number NM0028355. LANL shall also analyze this sample and determine the concentrations present of TNT, RDX, HMX, acetone, methyl ethyl ketone, n-butyl acetate and toluene. LANL shall indicate which methods are being used for analysis and the detection limits of those methods. Sampling should occur within thirty-days of receipt of this NOD, and the results shall be sent to EPA upon receipt from the laboratory.
LANL concurs. A sample was collected on August 3, 1994, and the request information is provided on Attachment A. N-butyl acetate is not a standard SW-846 analyte, and thus probably cannot be analyzed. We should see a peak for it on the gas chromatograph for volatiles if it is present. N-butyl acetate is not particularly toxic. According to LANL CST-9 (the environmental chemistry group), the detection limit for acetone by a gas chromatographic method (SW 846 8240) is 20 ppb, that for toluene is 5 ppb, and that for methyl ethyl ketone is 20 ppb. According to LANL DX-16 (the explosives development group), the detection limits for HE by HPLC (SW 846 8330 or equivalent) are: TNT = 0.068 µg/l (ppb) RDX = 0.27 µg/l (ppb) and HMX = 0.21 µg/l.

25. 5.3.4.2 Sampling, p. 5-94 - LANL shall revise their sampling plan to include full laboratory analysis for VOCs, SVOCs, metals and HE and its by-products for every 20 feet until 100 feet from the HE pond. Then a surface sample (0-6 inches) should be collected every 60 feet for full laboratory analysis.

Also, samples deeper than 6 inches should be taken in the drainage where sediment may have accumulated. LANL should also take three samples at the 6 inch to 2 foot depth within the first 100 feet from the pond, and analysis should include VOCs, SVOCs, metals and HE products and by-products.
Per our conversation of August 8 1994, LANL will collect samples every 20 ft. until 100 ft. beyond the pond and then collect surface samples every 60ft.. In addition we will take 3 samples at the 6 in. to 2 ft. depth within 100 ft. from the pond. Surface samples will be analyzed for SVOCs, metals, HE and HE by-products. Subsurface samples will be analyzed for VOCs, SVOCs, metals, HE, and HE by-products. The text will be modified to reflect these changes.

26. 5.4.1 Background, SWMU 13-003 (a,b), p. 5-97 - Action will not be deferred until decommissioning and demolition (D&D). Should sampling in the

drain field or outfall indicate contamination then the rest of the system will be required to be sampled prior to D&D.
The septic tank was removed in 1951 (see history on p. 5-98), and other statements that call the removal of the tank into question will be revised (problem statement on p. 5-103). The former location of the septic tank is partly beneath a walkway, a transformer station, and a parking lot, which should prevent migration of any potential releases from the tank. In addition, the historic removal of the tank eliminates the primary source of potential contamination for this portion of the septic system. Therefore action for the decommissioned system should be deferred until D&D. The drain field [SWMU 13-003(b)] is scheduled for sampling during RFI Phase I. Per our conversation of August 8 1994, LANL will provide a drawing that shows the SWMU and the surrounding buildings and transformer station. (see Attachment B).

27. 5.4.1.1 Description and History, p. 5-97 - Figure 5-52 does not show the drain lines from TA-11-4 and TA-11-1. Only the drain field is indicated in the figure. LANL shall revise the figure to indicate the location of the drain lines, and septic tanks to the drain field. In the future, it would also be helpful that if a figure was not located with text, the page number of the figure would be included in the text (e.g. Figure 5-52, p. 262).
LANL concurs. LANL will include drain lines and the tank on the figure if their locations can be determined. Figure 5-52 will be revised to show this drain line and sampling points. In the future if figures are not located in the same subsections as text, then the relevant page numbers will be cited.

28. Design Criteria (DQO Step 6) p. 5-104 through 5-107 - The explanation for the drain field for these units is incomplete. Are the lines in the drain field perforated so that material flows out along the line, or does it only flow out at the end of the line? The size of each drain field is not included in this work plan; therefore, LANL shall submit a figure for each drain field indicating the locations samples will be collected. EPA cannot evaluate if the sampling proposed is adequate based on the information presented. LANL may propose a similar sampling approach for these systems, but enough information should be provided for EPA to determine that the sampling proposed is adequate.
LANL concurs. LANL will add details on the construction of the septic systems where available. Sampling figures for each drain field will be provided.

29. 5.4.4.1 Engineering Surveys, p. 5-107 - All geomorphic mapping should have been completed prior to submittal of the work plan. Actual sampling locations should be in the work plan.
LANL concurs. Where possible, the proposed sampling locations will be added to sampling figures. See responses to general comment 5 and specific comment 28.

30. Outfalls, p. 5-110 - An additional sample should be collected at each outfall from the soil/tuff interface and analyzed for VOC, SVOCs, metals, HE and HE by-products.
LANL concurs. LANL will collect an additional sample at the soil-tuff interface where there is more than 6 inches of soil. LANL will modify the design criteria to indicate that some PCOCs (i.e. VOC) will not occur at the surface and historic releases may have degraded from the surface.

31. 5.5.4.1 Engineering Surveys, p. 5-117 - Site mapping should have occurred prior to submittal of the work plan. A detailed figure should be included with sampling locations indicated.
See response to general comment 5.

32. 5.5.4.2 Sampling, p. 5-117 - One sample is not adequate for this site. An additional sample should be collected five feet from the first sample. The sample should be collected to the soil/tuff interface and analysis should be for metals, VOCs, SVOCs, and cyanide.
LANL concurs. An additional soil core will be taken at a 5 ft. downgradient location. The purpose of this additional sample will be to collect a sample that is representative of the more mobile potential contaminates, and the design criteria will be revised to reflect this reasoning. If more than 6 in. of sediment are present, then two samples will be collected for laboratory analysis per core. The surface samples will be analyzed for metals, SVOC and cyanide. The second sample (>6 in. taken at the soil-tuff interface) will be analyzed for metals, VOCs, SVOCs, and cyanide.

33. 5.6.1.2.1 Nature and Extent of Contamination, p. 5-122, second paragraph - Explain the meaning of this sentence, "Silver concentration in the soils followed a much more erratic pattern and was always lower in silver than the sediment". In addition, the data from this report (Kasunic et al., 1985) should be included in the work plan.
LANL concurs. The sentence is not clearly written, and will be edited to state the following "Silver concentration in the soils followed a much more erratic pattern, but silver concentration was typically lower in the soil than the associated sediment."
LANL will provide the Kasunic data in tabular form in the work plan. See Attachment C to this NOD response.

34. 5.6.4.2 Sampling, p. 5-130 - The proposed sampling plans do not adequately delineate the extent of the contamination. Data excerpted from Kasunic et al. (1985) indicates that at 33 ft down channel the concentration of silver at 3-ft depth was 182 ppm. Sampling should be conducted so that a clean zone beneath the contaminated zone is delineated. Additional corings are required and samples should be collected at the surface (0-6 in.), at 3 feet depth, and at 5 feet depth beginning at the outfall and continuing every 25 feet for the first 100 feet of channel.
LANL concurs. Samples will be collected at 0 ft., 25 ft., 50 ft., 75 ft., and 100 ft. from the outfall. Samples will be collected at the surface, 3 ft depth, and 5 ft depth.

35. 5.6.4.3 Laboratory Analysis, p. 5-130 - How does LANL know that silver and cyanide are the only constituents of concern? Were any solvents used in the photoprocessing? What type of acids were used? LANL shall provide an explanation.
LANL concurs. It is not known whether solvents were used. A 1955 encyclopedia lists commercial film developers as including organic reducing agents such as phenols and amines. VOCs and SVOCs will be added to the analyte list for this SWMU. Acids used in TA-16-222 included: acetic acid, boric acid, and sulfuric acid.

36. 5.7.3 Data Needs and Data Quality Objectives, DQO Step 4,

p. 5-141 - LANL should consider a slant boring approach underneath most of these structures in order to determine if the soil has been impacted by past releases.
The waste water treatment plant is now entirely decommissioned, so there is no longer any reason to hesitate to sample under the units in the most effective way possible. Slant borings are not required. LANL will coordinate the D&D activities with the characterization activities proposed in the work plan. If D&D has occurred prior to field work (and LANL will attempt to ensure that this happens), then LANL will take a 5 ft. core in the excavation produced by removal of each unit. Locations of these cores will be biased by field screening and/or visual indication of cracks/leaks. If D&D has not occurred, then LANL will drill a vertical borehole through each unit to a depth of 5 ft. beneath each unit. The core location would be biased to any zones of obvious cracking/staining based on visual inspection following pumping our water in the units. Following any boring through a unit, each borehole will be plugged with cement to prevent any mobilization of constituents. The text will be modified to reflect this approach.

37. 5.7.4.1 Engineering Surveys, p. 5-145 - LANL shall provide figures with the field surveyed SWMUs and sampling locations. This should have been done prior to submittal of the work plan.
See response to general comment 5.

38. 5.7.4.2 Sampling, p. 5-145 -

a. LANL indicates that cored samples will be taken, and then indicates that these samples will be collected at 0-6 in. These statements are contradictory, LANL shall take an additional sample at the soil turf interface or at 2 feet depth which ever comes first.
LANL concurs. Text will be clarified. We will add an additional analysis for the core segment at the soil-tuff interface or at 2 ft., if there are more than 6 in. of sediment.

b. Page 5-147, 1st paragraph - EPA does not understand the reasoning for drilling to three-quarters of the thickness of the Imhoff tank. If LANL is concerned that the tank has leaked then they should drill through the tank or slant drill under the tank. If LANL is concerned that the tank has absorbed hazardous material and is hazardous then, a chip from the first several inches of the bottom of the tank should be analyzed to see if the tank needs to be disposed as hazardous waste. What does LANL mean by the entire core sample will be sent to the laboratory for analysis? LANL shall provide an explanation.
LANL concurs. LANL proposed drilling 3/4 of the way through the tank to avoid providing a pathway for migration to the subsurface (This was a concern when the system was active). LANL was analyzing the tank to determine if it was hazardous waste. The 'entire core' sample was deemed to provide an adequate amount of material for all required lab analyses. LANL will use the D&D SOP (SOP # not known) for sampling concrete, and the revised work plan will cite this SOP.

c. Page 5-147, 2nd paragraph - LANL shall explain the rational behind Table 5-43. Randomization of samples is not appropriate for this area. Any samples which are to be analyzed for VOCs should be field screened and collected in a manner so as to not drive off the VOCs.

The samples submitted for laboratory analysis were identified through randomization where there are no positive field screening indicators. It is extremely unlikely that randomization will be used. LANL will clarify this point in the text. This procedure will not impact the collection of VOC samples (LANL-ER-SOP-01.02, R0), which are collected in such a manner as to not drive off the energetic VOCs.

39. 5.8.1.1 Description and History, Figure 5-34, p. 5-150 -LANL shall include the location of all the active units which are listed as SWMUs on this figure.
LANL concurs. LANL will include all active units that are listed as SWMUs on this figure.

40. 5.8.1.2 Conceptual Model, p. 5-156 -

a. Page 5-156, paragraph one - LANL shall clarify the portion of the text which refers to the barium concentrations in the drainage from SWMU 16-016(c) and in the southern drainage. If available the sampling locations should be included on a figure and the results of all the samples indicated rather than a range.
LANL concurs. LANL will include a table and figure with the actual data for SWMU 16-016(c) and the southern drainage in the revised work plan. See Attachment D to this NOD response for a list of the data.

b. Paragraph two - LANL shall provide the actual data from the single soil sample rather than indicating if SALs were exceeded (Raper and Brown et. al.).
LANL concurs. LANL will include the actual data.

41. 5.8.2 Remediation Decisions and Investigation Objectives, p. 5-156- LANL indicates that the open burn/open detonation units are operating under a permit. Technically these units are interim status and are not permitted yet.
LANL concurs. The words "interim status" will be added to the text on p. 5-156.

42. 5.8.3 Data Needs and Data Quality Objectives, p. 5-161 - EPA does not agree with assumption number 3 [that the secondary contaminants of concern (semivolatiles, metals other than barium) do not have a different deposition and transport mechanisms than HE, uranium, and barium so field screening for these three contaminants will allow LANL to locate probable high concentrations of other potential contaminants of concern]. This assumption is not valid and may not be used.
LANL concurs. Assumption 3 is deleted and the following assumption is made in its place "HE and barium are the most likely constituents to present a health risk and screening for these constituents may help define the location of the highly contaminated zone."

43. 5.8.3 Sampling, SWMU 16-010(i), p. 5-164 - LANL should also take a sample from below the buried pipe at the end of the pipe's length.
LANL concurs. The text has been revised to indicate that a sample will be collected from below the buried pipe at the end of the pipe's length.

44. 5.8.4.2 Sampling, p. 5-167 through 5-171 -

a. SWMU 16-010(a) -

i. LANL shall collect samples at the following depths at the locations with the three maximum barium values: 0-6 inches, two feet and five feet. These samples shall be analyzed for semivolatiles, metals, HE and cyanide. LANL shall provide information on the correlation between field screening for barium using the XRF and laboratory analysis.
LANL concurs. LANL will modify the text, sampling table, and sampling figures to indicate that subsurface samples will be collected. Per our discussion of August 8 1994, the detection limit for the field XRF is 10 ppm (see Attachment E), the laboratory detection limit is 0.2 ppm (method 6010), and the SAL for barium is 5600 ppm.

ii. Table 5-46 - LANL shall indicate what analysis shall occur for the ten additional samples which may be collected based on HE screening (only 3 samples are indicated in this table).
LANL concurs. LANL will indicate in Table 5-46 that the same analyses will be conducted on all of these samples.

b. SWMU 16-016 (c) -

i. LANL shall provide a figure indicating the location of MDA P in relation to the drainage and samples to be collected.
LANL concurs, LANL will add the boundary of MDA-P to the sampling figure for SWMU 16-016(c).

ii. Table 5-46 - LANL shall provide an explanation why the two out of four potential samples located in this unit are not be analyzed for semivolatiles and cyanide as are the samples in SWMU 16-016(a). In addition, the table shows 8 samples being analyzed. If field screening indicates barium may have been stored at this area then LANL shall take core samples at 2 feet and 5 feet and analyze for semivolatiles, metals, HE and cyanide.
LANL concurs. LANL will add semivolatiles and cyanide as analytes to all eight samples for SWMU 16-016(c). The text will be clarified to remove the suggestion that only four samples will be taken. Per our discussion of August 8 1994, LANL will collect a deeper additional sample, where field screening indicates barium contamination. Thus, if barium contamination is detected at the surface, then an additional sample will be collected at 2 ft., and then an additional sample will be collected at 5 ft. if barium contamination is detected at 2 ft.

iii. LANL shall extend the area of sampling to the intersection with Cañon de Valle rather than stopping at 210 feet. A sample should be sent for full laboratory analysis every 30 feet until this intersection occurs. Field screening may be used to potentially determine the lateral extent of barium contamination in the drainage ditch; however full delineation of the extent of contamination, including depth, will be required. Therefore, for the three highest field screened areas for barium within the ditch, LANL shall collect samples at the two foot depth and conduct full laboratory analysis.

LANL concurs. LANL will collect these additional samples downgradient to the Canon. Also, LANL concurs with taking additional depth samples in the ditch. The text and figures will be modified to reflect this change.

c. SWMU 16-010 (h), p. 5-169 - It is unclear from the diagrams and text here and in the rest of the chapter where the potential release of contaminants occurred. Text on page 5-152 indicates that the HE residues were emptied into a floor drain located on the south end of the building which went to the troughs. Is LANL sampling under the connections to the drainage troughs? LANL should provide a better explanation for their sampling rationale. In addition, several samples should be taken deeper than 0-6 inches.
Possible release points are: 1) the one existing trough exit on the south side of the building, 2) the three filled trough exits on the south side of the building, and 3) the stained holes in the building wall on the south side of the building. This additional detail will be added to the work plan. LANL is sampling under the drainage trough connections. We will modify the description of sampling to indicate that in the absence of positive field screening results, the laboratory samples will include the sampling points beneath the troughs and beneath the holes in the building. The laboratory samples will be taken from the surface and a depth of 3 ft or the soil-tuff interface (if the soil-tuff interface is less than 3 ft deep). Two laboratory analyses will be submitted per sampling location.

d. SWMU 16-010(l), p. 5-170 - LANL shall conduct full laboratory analysis at a minimum of ten sites rather than a minimum of three sites. At the three samples with the highest field screening results an additional sample should be collected at two feet or the soil/tuff interface (3 samples at 2 feet) and undergo full laboratory analysis.
Per our discussion of August 8 1994, LANL will collect a minimum of three samples with additional samples submitted for laboratory analysis given positive HE field screening. No subsurface samples will be directly allocated to this trough. Rather, they will be distributed per the original plan among all the troughs based on field screening.

e. South drainage, p. 5-171 - At the three locations where sediment traps are sampled, a deeper sample at the sediment to tuff interface should also be analyzed for SVOCs, metals, HE and cyanide.
LANL concurs. LANL accepts additional samples at depth, and will also change sampling tables and figures.

<u>Cañon de Valle</u>

45. 5.9.3 Data Needs and Data Quality Objectives, p. 5-178 - LANL shall explain what is meant by "realistic exposure scenarios".
LANL concurs. The text will be rewritten to the following "but the risk to human health remains to be quantified."

46. Design Criteria (DQO Step 6), p. 5-181 - Text in the first paragraph indicates that 30 samples are adequate for an initial baseline risk assessment while text in the second paragraph indicates that only 10 samples will be submitted for laboratory analysis. In addition, Table 5-52 indicates that 40 sediment samples will be sent for laboratory analysis. LANL shall clarify how many samples are actually being taken and submitted for laboratory analysis.

LANL concurs. The design criteria paragraph 1 has been clarified to the following: "A total of 40 laboratory samples [30 0 to 6 in. and 10 deep-surface/subsurface samples (6-12 in. or 12-18 in. or soil-tuff interface)] from Cañon de Valle will be submitted for laboratory analysis. The purpose of surface sampling Cañon de Valle is to obtain information about contaminant migration and transport. The samples will be located to provide approximately uniform coverage of the region of interest. Geomorphologic mapping will provide information on the heterogeneity of sediments and rock outcrops in the canyon bottom. In Cañon de Valle, 30 sediment traps and associated water will be selected so that a sample for laboratory analysis is taken approximately every 200 ft. These samples of sediment traps will be selected to provide adequate coverage of the diversity of sediments in the canyon, based on the geomorphologic mapping. Professional judgment suggests that 30 samples will be adequate for a baseline risk assessment."

47. 5.9.4.2 Sampling Cañon de Valle, p. 5-184 - Text here and under Decision Logic (DQO Step 5) indicate that subsurface sampling is being performed. The sampling indicated is not considered subsurface by EPA. The top two feet are considered surface soils. LANL shall revise text in response to this comment. It is unclear from the text how many samples will be selected from below the 0-6 inch depth. LANL shall provide clarification.
LANL concurs. LANL agrees with EPAs definition of subsurface soil, and samples deeper than 6 in. will be considered deep-surface samples. This will be clarified in the text. LANL will rewrite the section describing selection of the samples from below 0-6". The hierarchy of biasing is: 1st) samples with positive HE field screening results; 2nd) the highest Ba samples by field screening to a total of 10 samples below 0-6".

<u>MDA R, SWMU 16-019</u>

48. 5.10.1.1 Description and History, p. 5-186 - LANL shall provide a figure of the site based on the 1984 aerial photographs or indicate on Figure 5-41 the location of the original three burning areas.
LANL concurs. LANL will indicate the approximate former location of the three burning pits in MDA R.

49. 5.10.1.2.1 Nature and Extent of Contamination, p. 5-187 -Why are the potential contaminants of concern (PCOC) different than the contaminants of concern listed (e.g. semivolatiles, fuel oil). Table 5-53 should include these potential contaminants. LANL shall revise the table to include all contaminants of concern.
LANL concurs. LANL will revise Table 5-53 to include semivolatile organics.

50. Design Criteria (DQO Step 6), p. 5-193 -

a. Paragraph two - The probabilities for the statistical analysis are low; EPA would like to see a probability of 90% if 10% of the site was contaminated for the surface. Therefore, LANL shall take 22 near surface samples.
LANL concurs. LANL will modify the text and the sampling figures and tables to indicate that 22 near-surface samples will be collected.

b. Paragraph three - The probabilities for the statistical analysis seem low; therefore, EPA would like to see a probability of 90% if 15% of the site is contaminated or 15 samples from the drainage.
Per our discussion of August 8 1994 on the likely homogeneity of the potential contamination in the drainages, LANL will not modify the original sampling plan for the drainages.

51. 5.10.4.2 Sampling, p. 5-197 -

a. Second paragraph, - EPA recommends that of the randomized samples six become biased samples which will be collected at obvious drainages near the canyon rim and the topographic depressions within MDA-R. In addition, if the bottom 6 inch interval is above background for radiation, barium or HE then it should be submitted for laboratory analysis.
LANL concurs. LANL will modify the text to indicate the approximate location of these biased samples. LANL will also indicate in the revised text that if the bottom interval is above background, then this interval will be submitted for lab analysis.

b. Fourth paragraph, Eight drill cores - If LANL only takes one of the 1-6" samples for analysis then the actual vertical extent of contamination will be hard to define. Rather, if one of the segments other than the bottom 6 inch segment has a positive reading then LANL shall also submit the bottom segment for laboratory analysis. If the bottom segment of the core segment has a positive reading then LANL shall core deeper, and take an additional sample every two feet until no positive readings are made for HE, radiation or barium. LANL shall also sample and analyze the 15 randomized three-foot cores in the same manner, thereby defining the depth of any contamination.
LANL concurs. LANL will submit an additional core segment for laboratory analysis where there is a positive field reading. We will core deeper if the bottom segment has a positive reading and take an additional sample every 2 ft. until no positive readings are found. This approach holds for both 3 ft. and deep cores. The appropriate text for this aggregate will be modified.

52. 5.10.4.3 Laboratory Analysis, p. 5-199 - LANL shall submit a list of the semivolatile organics for which analysis is being conducted.
LANL is proposing to analyze the full complement of SW-846 Method 8270 semivolatile organics. The reference to PAHs in Table 5-55 will be deleted.

<u>5.11 Surface Waste Disposal Areas, SWMUs 16-009 and 16-016(a,b)</u>

53. 5.11.1.1 Description and History, p. 5-202 - SWMU 16-016(b) - What types of HE contamination were found in the CEARP field survey and at what amounts?
The release site data base mentions HE as a COC and cites CEARP. LANL has no information on the specific types and amounts of HE used, but we hypothesize that the indication of HE was a positive HE spot test.

54. 5.11.4.3 Sampling, SWMU 16-009, p. 5-210 -

a. Three samples over this area (approximately 180,000 sq. ft.) is not adequate. LANL shall analyze a minimum of twenty samples from this area. If a surface soil sample indicates radioactivity or barium levels above background then the

bottom portion of the 3 foot interval should also be sent in for analysis. This extra sample should be in addition to the minimum of twenty samples required. In addition, LANL does not know that this area was not used for burning HE; therefore fifty percent of the samples should at least be field screened for HE. If field screening indicates positive results then laboratory analysis should occur for those samples.
Per our discussion of August 8 1994, LANL will apply a 25 ft grid over the location of highest expected contamination, the former 100 by 100 ft bermed area. From these 25 field screening locations five laboratory samples will be selected based on field screening results for barium and radiation. Per our discussion, we will not use the HE spot test on these samples. This revised sampling plan will also indicate that in the case of positive screening hits on the surface, the bottom portion of the 3 ft. cores will be sent for separate lab analysis.

b. LANL shall provide a better explanation of how samples will be collected from this area. Are 6-inch sections from each three foot core being screened as in other parts of the work plan, and then will that 6 inch sample be sent for analysis if field screening indicates barium or radioactivity above background? How and over what interval will the samples be homogenized?
LANL proposes to screen three 6-in. core segments (one per foot), and field screening results will be used to select one core segment for laboratory analysis. If there are no positive field screening indications, then LANL will submit the 12 to 18 in. core segment for laboratory analysis. The text will be clarified.

c. SWMU 16-016(b), p. 5-213 - Any surface samples with positive HE field screening results should be submitted for laboratory analysis.
LANL concurs. The text will be rewritten to indicate that all positive HE screening results will be submitted for laboratory analysis.

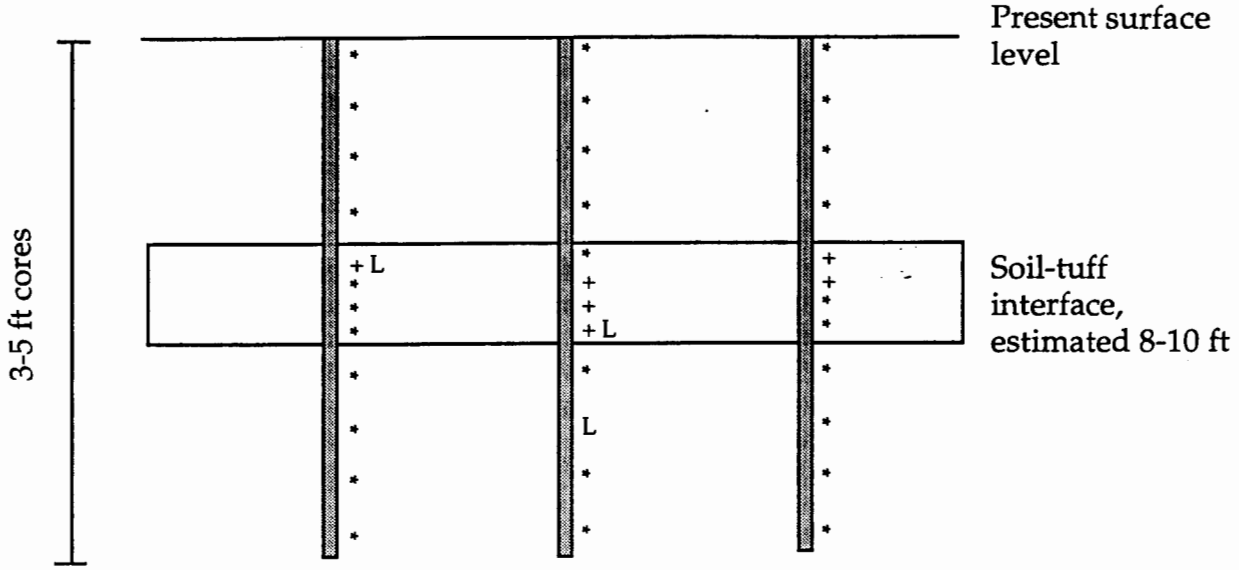
<u>TA-16 Waste Water Ponds Aggregate, SWMU 16-007(a) and SWMU 16-008(a)</u>

55. 5.12.4.2 Sampling, p. 5-222 - SWMU 16-007(a) -

a. LANL shall not homogenize over the 5 ft. core interval for one sample. LANL shall obtain samples from 6 inches or less of core. This will allow for less dilution of the sample and make it easier to determine the depth of any contamination.
LANL concurs. LANL will screen the 5-ft. cores at 6 in. intervals.

b. The original description of these ponds indicates that material was probably deposited between 8 and 10 feet depth from the surface; therefore, cores to a depth of 10 feet may not adequately define the possible contamination. LANL shall core to a depth of 15 feet at each sampling location. Should field screening not indicate any potential contaminants of concern then LANL shall submit a sample from the 8-10 ft. depth for two out of the three cores drilled in each pond. This will make a total of 8 samples sent for laboratory analysis.
LANL concurs. LANL will core to 15 ft and take 12 field screening samples per core and 3 laboratory analyses per pond (total of 108 field screening and 12 laboratory analyses for the SWMU). Details of this plan will be provided in the work plan revision.

Modified Sampling Plan with Example Biasing Results



* = field screening locations

+ = positive field screening locations

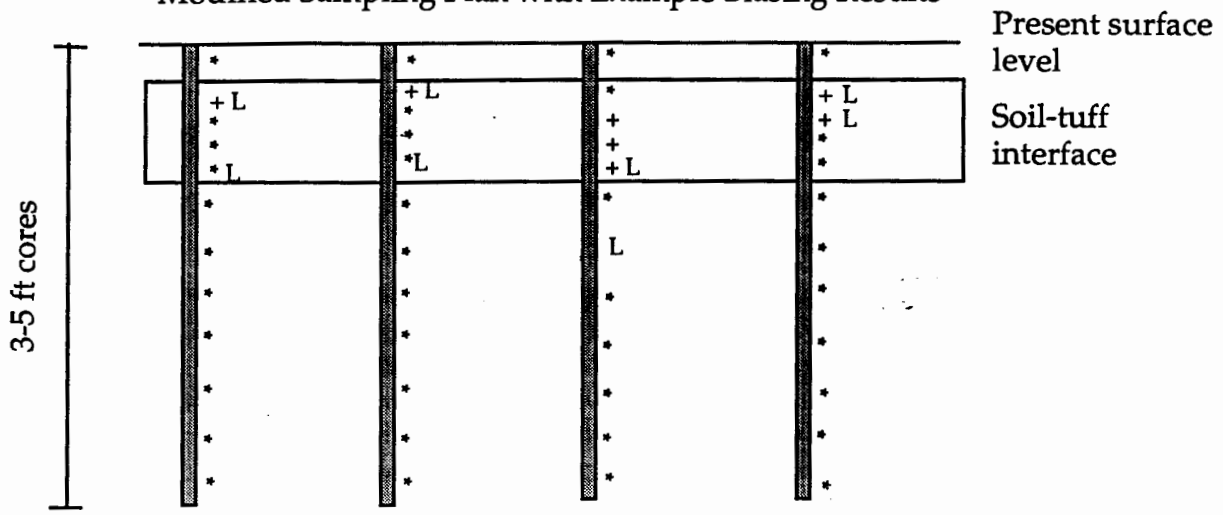
L = samples submitted for laboratory analysis, given this pattern of field screening hits

56. SWMU 16-008(a), p. 5-224 -

a. LANL shall not homogenize over the 5 ft. core interval as above, but should obtain samples from 6 inch intervals. Should the bottom 6 inches of core indicate potential contaminants of concern (PCOC) then the depth of contamination should be delineated and an additional 5 ft. core should be taken. This core should also be screened and an additional sample analyzed where any PCOC are indicated. If no PCOC are indicated then the sample 2 ft. below the last positively field screened interval for PCOC should be submitted for analysis.

LANL concurs. The general strategy for these cores will be similar to that described for SWMU 16-007(a). LANL will collect 6 in. core segments through field screening (12 per core for a total of 48 with emphasis on the pond bottom/soil-tuff interface) and submit two core segments for laboratory analysis per core based on screening (total of 8 laboratory analyses for the SWMU). In cases where the bottom 6 in. indicate contamination, the cores will be continued so that a 'clean' sample can be collected. Details of this plan will be provided in the revised work plan.

Modified Sampling Plan with Example Biasing Results



* = field screening locations

+ = positive field screening locations

L = samples submitted for laboratory analysis, given this pattern of field hits

b. A comparison of Figure 5-46 and text for sampling of this SWMU is confusing. LANL shall explain the total number of cores that will be taken and field screened for PCOC.
LANL concurs, and the text will be clarified. See response for 56a.

<u>TA-13 (P-Site), SWMUS 13-001, 13-002, 13-004, 16-035, 16-036</u>

57. 5.13.1.1 Description and History, p. 5-229 - LANL shall provide an explanation or better history description for SWMUs 16-035 and 16-036. Why does LANL suspect contamination beneath the bunkers?
LANL will expand the historical description of SWMUs 16-035 and 16-036. LANL suspects historic contamination because of several memos (written by Buckland in the late 1940s) that suggested polonium contamination in the bunkers. Since polonium has a short half-life (138 days), this contamination would have decayed in the intervening years. Other constituents are likely to be of minor importance. This information will be clarified in the work plan. In summary, LANL does not expect current contamination at these SWMUs.

58. Design Criteria (DQO Step 6), p. 5-234 - SWMUs 13-004, 16-035, and 16-036 - What percentage of these SWMUs is anticipated to be contaminated? LANL indicates two very different levels of contamination and probability of detecting that contamination. LANL shall provide an explanation for the sampling size. In addition, EPA would prefer to see a minimum of 90% probability of determining if contamination is present.
Given the historical information provided in response to specific comment 57, LANL does not expect any significant contamination within these SWMUs. As discussed on August 8, 1994 we view this as a 'not very serious' SWMU that doesn't warrant 90%

certainty. Therefore, the samples represent an extensive sampling of these units to test this assumption.

59. 5.13.4.3 Sampling, p. 5-239 -

a. Figure 5-48 does not show the location of the drainage or drainage samples. LANL shall provide a figure with this information.
Figure 5-48 does show the drainages in detail. The figure will be revised to show these features more clearly (as was done for drainages in Figure 5-41).

b. In addition the survey grid (Figure 5-48) does not cover the entire SWMU 13-002. LANL shall provide an explanation for this.
The boundary for SWMU 13-002 was drawn based on the cleared area in a 1948 aerial photograph. Visual inspection of the SWMU shows an area of high concentration of boulders about 200 ft from the firing point. We hypothesize that this is the limit of the bulldozed area. Sampling is not designed to continue beyond this point for SWMU 13-002 (the additional samples are for SWMU 13-001). This information will be added to the text.

c. It is unclear from text how the 38 samples for laboratory analysis will be selected from this firing site. Shallow surface sampling (0-18 inches) in prominent drainages and topographic lows could be used to supplement the grid samples.
LANL concurs. LANL will rewrite to clarify the text. Rather than collecting samples at randomized grid locations, samples will be biased to prominent drainages and topographic low points. The proposed samples in the north and south drainage channels will be collected to represent the 0 to 18 in. soil profile (in 6 in. increments) rather than the 0 to 6 in. layer.

d. SWMUs 13-004, 16-036, and 16-035, p. 5-240 - Based on the response to the questions on DQO Step 6 and Description and History above, EPA may determine that additional samples will be required.
SWMU 13-004 has not been located with any certainty. Since the potential contamination at SWMUs 16-035 and 16-036 was likely to be polonium (with a half-life of 138 days), LANL requests that the number of samples remain at four for these SWMUs. Note that these samples are being analyzed for metals, uranium, SVOCS, asbestos, and HE - so other constituents will be found if they are present.

5.14 TA-11 Firing Site Aggregate, PRSs 11-001 (a,b), 11-002, 11-003(b), 11-004(a-f), 11-006(a-d), C-11-001, p. 5-242 -

60. 5.14.1.1 Description and History -

a. SWMU 11-001(a), p. 5-245 - What type of HE was used in experiments in the firing pit? LANL shall provide a better description of the activities which occurred at this unit.
Since this was a WWII site, the primary HE used would have likely been Comp B (TNT and RDX) and Baratol (TNT and barium nitrate). This firing pit was built in early 1945 and abandoned by early 1950. Memo 11-00002 (no author 1944) states that blast pressures of 7 000 psi (476 atm) could be expected against the nose cones of TA-11-2 and TA-11-3. The firing pit was built almost immediately after those buildings were

built. Given that they were abandoned within five years, it is likely that testing nose cones occurred only for a few years until they determined the optimum nose cone structure for the buildings. This information will be added to the text.

b. LANL shall provide a figure with more detail of the SWMUs, as Figure 5-49 is good for an overall picture, but does not have the detail required to examine SWMU size and locations.
LANL concurs. LANL will provide a more detailed map of K-Site as a new figure.

c. SWMU 11-001(b), p. 5-245 - What type of HE was used at this site?
Since this was a WWII site, the primary HE used would have been Comp B (TNT and RDX) and Baratol (TNT and barium nitrate). This information will be added to the text.

d. SWMU 11-004, p. 5-247 - What type of HE has been used at this SWMU?
Because this drop tower was constructed in 1956, the primary HE used would have been plastic-bonded explosives (containing primarily HMX, TNT, RDX, TATB). This information will be added to the text.

e. SWMU 11-002, p. 5-248 - Has this unit been used since 1992? Does the unit have interim status and will it receive a permit?
According to the current ESA-1 Group Leader, Paul Smith, the burn pit is currently used. The building manager of TA-11-24 states that the pit has been used in the last year or two and will be used extensively during the next three years. The pit is not used for waste disposal, rather it is an experimental unit - individual experiments are permitted by the state. Attachment F is the cover page of a recent permit application for a series of experimental tests to simulate transportation accidents involving fuel, high explosives, depleted uranium, and polyurethane.

61. 5.14.1.2.2 Potential Pathways and Exposure Routes,
p. 5-250 - What is the schedule for use of this site? What is the date for decommissioning this site? LANL shall submit work plans for the subsurface potential release sites within 90 days of receipt of this NOD. Based on the response to the above questions work on subsurface units may or may not be deferred until the site is decommissioned.
Per our discussion of August 8 1994, this site is used for experimental drops at most 4 times a year. The burn pit currently is used more often (36 burns scheduled for the next three years). LANL will submit sampling plans for these subsurface sites within 90 days. Per our discussion of August 8 1994, a single coring under the asphalt will be collected for each site.

62. 5.14.4.2 Sampling, p. 5-258 -

a. The drainage area from SWMU 11-006(c) should also be sampled and undergo analysis for the full suite of analytes.
LANL concurs. The majority of the area within the SWMU boundary is a cement trough that originally discharged 10 ft from the south drainage. However, this trough is breached 50 ft from the drainage, and an erosion channel has developed. LANL will take two 0 to 6 in. surface samples, one at the sediment trap beneath the trough breach, and one at the sediment trap 10 ft from the south drainage. These samples will be analyzed for the full suite of analyses.

b. North and South drainages - All the samples should be submitted for a full suite laboratory analysis not just the first and last.
LANL concurs. The DQOs and sampling plans will be updated to reflect this change.

5.15 TA-11 Outfalls Aggregate, SWMU 11-005(c), SWMUs 11-011(a-c)

63. 5.15.1.1 Description and History, p. 5-260 - LANL should provide the dates of operation for all these outfalls.
As stated in the work plan, all of the outfalls except SWMU 11-005(c) are still active. SWMU 11-005(c) was installed in 1944 to serve TA-11-2. A field visit in February 1992 showed that the drain for SWMU 11-005(c) had been plugged at an unknown date. TA-11-30 [associated with SWMU 11-011(b)] was built in 1959, the addition of TA-11-30A [associated with SWMU 11-011(c)] was built in 1956 according to the structure list. The text will be revised to incorporate this information.

64. 5.15.4.2 Sampling, p. 5-268 -

a. Outfalls on moderate slopes - LANL shall collect an additional sample for laboratory analysis 4-6 feet away from the outfall discharge point.
LANL concurs. An additional soil core will be taken 5 ft downgradient from the outfall. If there are more than 6 in. of sediment, then deep samples will be also be collected in each outfall for laboratory analysis. The surface samples will be analyzed for metals, SVOCs, and cyanide. The second sample (>6 in. taken at the soil-tuff interface) will be analyzed for metals, VOCs, SVOCs, and cyanide.

b. Paragraph four - Text indicates that two samples with the highest filed screening readings will be selected for laboratory analysis. This contradicts text in Design Criteria (DQO Step 6) on page 5-266 which indicates that "three samples per core will be submitted for full laboratory analysis". LANL should clarify what analysis will be conducted.
LANL concurs. LANL will clarify the text on p. 5-266 to indicate that field screening will be used to select two of the three core segments that will be submitted for laboratory analysis.

5.16 TA-11 Potential Surface Contamination Aggregate, SWMU 1-001(c), SWMU 11-012(a-d), C-11-002

65. 5.16.1.1 Description and History, C-11-002: TA-11-12, p. 5-274 - LANL shall provide additional information on this unit. Is it visible in any of the aerial photographs reviewed. Based on the information provided it should probably be included as a SWMU and be included in the permit.
TA-11-12 is present on the July 15, 1954 version of Engineering drawing R-128 and is listed as a laboratory building. It is shown on utility map R-646 dated July 30, 1958, but no utility lines are shown servicing this building. According to the structure list, it was a wooden frame building (7 ft wide x 9 ft long x 8 ft high) built in December 1944. It is not noted in 1983 or later drawings. TA-11-12 is visible on an oblique photograph of the airgun target range and appears to be a construction shack. It was removed to salvage in March 1959. Photos from March 11, 1958, indicate that TA-11-12 was located on a poorly maintained dirt road.

TA-11-5 was the other laboratory building at this site. TA-11-5 was built in 1944 and removed in 1956. TA-11-5 was 6 ft wide x 32 ft long x 8 ft high.
The CEARP report notes a 1950 memo that reported a chemistry building with "active" samples Ogle (1950, 15-11-011). This memo cannot refer to TA-11-12, since the memo refers to unsatisfactory hoods and poorly lit entrances and exits. TA-11-12 is too small to have multiple hoods and an entrance and exit door. This additional information will be added to the work plan. LANL contends that TA-11-12 was not a major laboratory facility, and should not be upgraded to a SWMU.

66. 5.16.4.2 Sampling, p. 5-278 -

a. LANL shall clarify the sampling procedures to be used. Will the entire 18 inches of core be analyzed as one sample. Why are 300 ml of core required?
LANL will analyze the entire 18-in. core segment, which will be collected using LANL-ER-SOP-06.10, R0. The reason for collecting an 18-in. segment is that these structures have been decommissioned and bulldozed, which will have redistributed PCOCs from the surface to a shallow depth. 300 ml is estimated to be an adequate volume of material for all required analyses. The investigation boundary on p. 5-277 will be updated to reflect this information.

b. For SWMU 11-001(c) which is a former burn pit, sampling should occur to 3 feet in depth. LANL shall take at least two samples per core.
LANL concurs. LANL will collect a 3-ft core segment or to the soil-tuff interface if it is shallower. The investigation boundary and the sampling plan for this unit will be updated.

5.17 Decommissioned Waste Storage Area, SWMU 16-013

67. 5.17.1.2.1 Nature and Extent of Contamination, p. 5-286 -LANL shall describe what is meant by the area has been cleaned. What does this include?
LANL concurs. LANL will include a brief description of the cleanup which included removing the empty boxes and cans.

68. 5.17.4.2 Sampling, p. 5-289 - Any areas of staining should be preferentially sampled. If no samples have a positive screening for PCOC's then LANL shall send 2 samples collected from obvious down gradient portions along the edge of the asphalt pad for laboratory analysis.
Based on a field visit, there is no staining visible in the north drainage. This information will be added to the text. There are two obvious downgradient sampling locations along the north end of the storage area. These locations are at the eastern sampling points on Figure 5-57. Samples submitted for laboratory analysis will be preferentially chosen from these locations in the absence of positive field screening.

69. 5.17.4.3 Laboratory Analysis, p. 5-291 - Why is LANL conducting laboratory analysis for VOCs when samples are being taken from the top 6 inches?
LANL concurs. LANL will remove VOC sampling from Table 5-78.

Chapter 6

70. Table 6-1, p. 6-1 - EPA does not necessarily agree with the criteria for no further action or deferred action. Each unit will be evaluated separately. Undergoing voluntary corrective action is not a reason for deferral.
LANL understands that the regulators review each site that LANL proposes for NFA or DA on a case-by-case basis. These criteria are used by LANL to create consistency within the ER Project and to facilitate review of these sites by EPA. We understand that new criteria are proposed for EPA consideration in a draft letter, dated June 24,1994, written in response to NOD comment 9 for the OU 1157 RFI Work Plan. OU 1082 has used the criteria that were current when each work plan was written.

71. 6.1.1.1.1 Background, p. 6-3 -

a. EPA does not approve deferral of any site which is beneath one of the open burn/detonation units (16-005(g)). These units must be sampled and a work plan submitted within 90 days detailing the sampling of these units. Removal of the interim status units which will receive a permit will be approved with concurrence of NMED.
Per our discussion of August 8 1994, LANL will take one angled boring beneath the active open burn unit. A sampling plan for this unit will be provided within 90 days. The closure plan for the TA-16 open burn units that was requested in the August 8 conference call is presented in Attachment G.

b. SWMU 16-010(d), p. 6-4 - Has this unit also been converted to a burn table and is it currently active?
This burn slab has been converted to a burn table, and the text will be clarified to reflect this change.

72. 6.1.2.1.2 Rationale for Recommendation, Inactive Surface Impoundment. p. 6-7 - Has NMED approved the actual closure of this unit? With concurrence from NMED, LANL may request removal from the permit via a Class 3 permit modification.
NMED has recently approved the closure of this unit (SWMU 16-008(b) the hypalon pond), and a copy of this letter (dated June 7, 1994) has been attached to this response (Attachment H). The text will be modified to reflect this information.

73. 6.1.3.1.1 Background, SWMU 16-010(g) - LANL may request removal of this unit from the permit by a Class 3 permit modification. If this unit did not handle or manage solid waste then it should not be listed as a SWMU.

With approval from NMED, LANL may request removal of the following units by a Class 3 modification from the HSWA portion of the permit:

16-012 (d,i,j,l,m,n,t,u,x)
16-012(p)
16-012(a2)
11-011(c)
16-006(f)
LANL will include these units in the next Class 3 permit modification. Approval from NMED will also be requested.

74. MDA P - NMED has the lead for this unit and all activities should be covered under closure requirements. LANL may request removal of this unit from the HSWA portion of the RCRA permit by a Class 3 permit modification.
This unit is currently undergoing regulatory approval. LANL will include this unit in a future Class 3 permit modification with approval from NMED. LANL recently submitted a revised closure plan for this unit. NMED issued an NOD on the initial plan and LANL is currently responding.

75. 6.1.5.1.3 Rationale for Recommendation, SWMU 11-007
p. 6-14 - The reason to recommend this unit for no further action should be that it does not meet the definition of a SWMU. LANL may request removal of this unit from the permit by a Class 3 permit modification.
LANL concurs. The text will be modified to indicate that the unit does not meet the definition of a SWMU. LANL will include this unit in the next Class 3 permit modification.

76. 6.1.5.2 MDA S, SWMU 11-009, p. 6-14 - What procedures are in place to ensure there will be no release of materials from this SWMU. If the SWMU is defined by the area of the fence then investigation of this site may be deferred until completion of the experiment.
The buffer zone around the experimental pots ensures that no release from the unit, which is defined by the fence, will occur.

77. 6.1.5.3.1 SWMU 16-005(n), p. 6-16 - Archival information does not appear sufficient to no further action this SWMU. This unit should be investigated and a sampling plan should be submitted within 90 days.
Per our discussion of August 8 1994, LANL will submit a sampling plan to collect a sludge sample from this tank within 90 days.

78. 6.1.5.4.1 SWMU 16-005(o), p. 6-17 - Was there ever any other use for building TA-16-101 other than a guard house? If this unit only served a guard house then EPA concurs that no further action is required.
There was never any use for TA-16-101 other than a guard house, and the text will be rewritten to indicate this fact. LANL will include this unit in a future Class 3 permit modification. Approval from NMED will also be requested.

79. 6.1.5.5.2 Recommendation SWMU 16-006(b), p. 6-18 - Why is this listed as an active septic system when the guard house it serves is inactive? LANL may request removal of this unit from the permit.
The guard house is used periodically as an alternate access point for construction equipment. LANL will include this unit in a future Class 3 permit modification. Approval from NMED will also be requested.

80. 6.1.5.7 Rest Houses SWMUs 16-012 (a-z) and 11-010(a),
p. 6-19 - What is the function of the drains associated with the rest houses? Why do the drains lead to high-explosive sumps if there is no problem with the handling of HE at these sites. LANL needs to provide additional information prior to consideration of no further action by EPA. Figures should be provided.
Per our discussion of August 8 1994, LANL will provide a better description of these rest houses in support of the NFA proposal rather than provide figures. Of the SWMUs

listed, only SWMUs 16-012(k,r,s) have exterior drains, and the sumps associated with these SWMUs will be sampled as described in aggregate 5.2 of this work plan.

81. The following units do not need to be added to the permit:

SWMU 16-007(b)
SWMU 11-003(a)
SWMU 11-008
SWMU 11-010(b)
SWMU 37-001
C-11-003

LANL concurs.

Department of Energy
Field Office, Albuquerque
Los Alamos Area Office
Los Alamos, New Mexico 87544

AUG 17 1994

William K. Honker, Chief
RCRA Permits Branch
U. S. Environmental Protection Agency
Region 6
1445 Ross Ave., Suite 1200
Dallas, Texas 75202-2733

RE: Response to Notice of Deficiency (NOD) for OU 1082 RCRA Facility Investigation (RFI) Work Plan

Dear Mr. Honker:

Enclosed is the response to the NOD for the OU 1082 RFI Work Plan which was submitted to your office for review on July 16, 1993. Environmental Protection Agency (EPA) NOD comments were received at the Los Alamos Area Office on July 18, 1994.

A teleconference call to your staff was initiated on August 8, 1994. We have formulated many of our responses in accordance with the guidance we were given during this discussion, and we have referenced this dialogue, where applicable, within our responses. However, during this discussion, several items were identified as EPA concerns that would be more appropriately addressed at the programmatic level rather than specifically within this NOD response. These items have been identified in the enclosure and we are currently in the process of developing responses which will be delivered to EPA at a later date.

We are also required to deliver, within 60 days of the receipt of your NOD, sampling plans for the sumps sited in deficiency number 18. This material will be sent to you no later than September 16, 1994. You also requested that additional sampling plans and other material addressing deficiencies number 71 and 77 be provided within 90 days of receipt of the NOD. This material will be sent to you no later than October 16, 1994. Additionally, the sampling results for NPDES outfall number EPA05A056 will be sent to you as soon as they are received from the analytical laboratory. Pending your approval of all these deliverables, the revised work plan incorporating all changes outlined in our responses will be submitted to EPA by December 1, 1994.

Should you have any questions or concerns, please call me at (505) 665-7203, or Bonnie Koch, Scientech, at (505) 665-7202.

Sincerely,

for Theodore J. Taylor
Program Manager
Environmental Restoration
Program

LAAMEP:2TT-009

Enclosure

cc w/enclosure:
K. Sisneros
New Mexico Environment Department
1190 St. Francis Dr.
P. O. Box 26110
Santa Fe, New Mexico 87502
W. Spurgeon, EM-452, HQ
T. Taylor, AAMEP, LAAO
B. Swanton, NMED-AIP, LANL, MS-J993
RPF, LANL, MS-M707
K. Boardman, ERPO, AL
J. Levings, ERPO, AL

cc w/o enclosure:
K. Schenck, Scientech, LAAO
B. Koch, Scientech, LAAO
T. Baca, EM, LANL, MS-J591
D. McInroy, EM/ER, LANL, MS-M992
K. Hargis, EM, LANL, MS-J591
B. Martin, CST-6, LANL, MS-E525

November 21, 1994
EM/ER:94-J450
M992
505-667-0808

Mr. Joseph Vozella, Chief
Environment, Safety, and Health Branch
US Department of Energy
Los Alamos Area Office, MS A316
Los Alamos, NM 87544

Dear Mr. Vozella:

SUBJECT: RESPONSE TO NOTICE OF DEFICIENCY (NOD) CONCERNING OPERABLE UNIT (OU) 1082 RESOURCE CONSERVATION AND RECOVERY ACT FACILITY INVESTIGATION (RFI) WORK PLAN WORK BREAKDOWN STRUCTURE NUMBER 1.4.2.6.1.7.1.2

Enclosed is the Los Alamos National Laboratory's revised work plan pages incorporating all changes required in the Environmental Protection Agency's (EPA's) Notice of Deficiency concerning the OU 1082 RFI Work Plan and a certification form signed by the appropriate Laboratory official. The NOD was received at the Los Alamos Area Office on July 18, 1994. LANL stated that those revised pages would be delivered by December 1, 1994 in the response to the EPA NOD that was transmitted August 17, 1994.

The enclosed revisions show the comments from the NOD indicated in the margins and the text cahanges highlighted. LANL has also provided a coversheet that indicates where responses to specific NOD comments are located. A documented quality review of the enclosed response has been performed in accordance with procedure LANL-ER-AP-01.3.

Please let me know if there are questions about this response to the NOD, or contact Brad Martin of my staff at 667-6080. I would appreciate having the response and the signed certification form sent to the EPA, Region 6, by December 1 to meet the required deadline.

Sincerely,

Jorg Jansen, Project Manager
Environmental Restoration

JJ/rfr

Enclosure: Responses to NOD
Certification Form

CERTIFICATION

I certify under penalty of law that these documents and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violation.

Document Title:

Response to NOD for RFI Work Plan for OU 1082

Name: D.F. Collins for DE Date: 11/29/94
Dennis Erickson
Division Director
Los Alamos National Laboratory

Name: Date: 11/30/94
Joseph Vozella, Chief
Environment, Safety, and Health Branch
DOE-Los Alamos Area Office

Cy: T. Baca, EM, MS J591
J. Shipley, EM, MS J591
B. Martin, CST-6, MS E525
B. Koch, LAAO, MS A316
J. Levings, ERPO, MS A906
EM/ER File, MS M992
RPF, MS M707
CIC-10, MS A150, w/o enclosure

5.3 HE Sumps and Active Outfall at TA-16-260, SWMUs 16-003(k), 16-021(c)

5.3.1 Background

This aggregate consists of 13 high explosive sumps, their drain lines, the outfall, and the well-defined drainage channel associated with TA-16-260 (Fig. 5-27; Tables 5-21, 5-22). The sumps have been designated SWMU 16-003(k) and the outfall as SWMU 16-021(c). The outfall is permitted as EPA 05A056. A general background discussion of sumps and their operating principles is given in Subsection 5.2.1.

The outfall receives effluent from the sumps, as shown on Laboratory drawing 13Y-1920756 (Palmer and Abercrombie 1991, 15-16-366). Each sump flows into a trunk line that discharges to the outfall. Sump S14, serving Bay 25 on the southeast end of TA-16-260, has been removed. The outlet of Sump S15 is plugged and the sump is no longer active.

TA-16-260 is an HE machining facility that processes large quantities of explosives. Machine turnings are routed to the sumps as waste. The drainage channel from the outfall is contaminated with explosive waste, including barium nitrate, the primary ingredient in the explosive baratol.

In 1966, the 10-ft wide loading dock on the rear (northeast) of TA-16-260 was removed. New sumps with water-tight aluminum liners were installed adjacent to the northeast wall of TA-16-260. HE-contaminated dirt under the old sumps was removed and replaced with clean, compacted earth. PCOCs are listed in Table 5-21.

5.3.1.1 SWMU Description and History

SWMU 16-003(k). SWMU 16-003(k) is 13 HE sumps and drain lines associated with TA-16-260. Sump dimensions are 90 in. by 36 in. by 31 in. (1 each) and 176 in. by 36 in. by 31 in. (12 each). Unlike most active sumps located at TA-16, the majority of these sumps are located above ground level. Each sump is served by a primary cement trough (2 ft deep x 1.5 ft wide) that empties into a secondary cement trough (4 ft deep x 1.5 ft wide). This trough feeds into the main feeder trough (4 ft deep x 2 ft wide) that drains to the outfall. All of the cement troughs are capped by removable steel lids. The waste consists primarily of HE. In 1970, Wilder classed the

24a

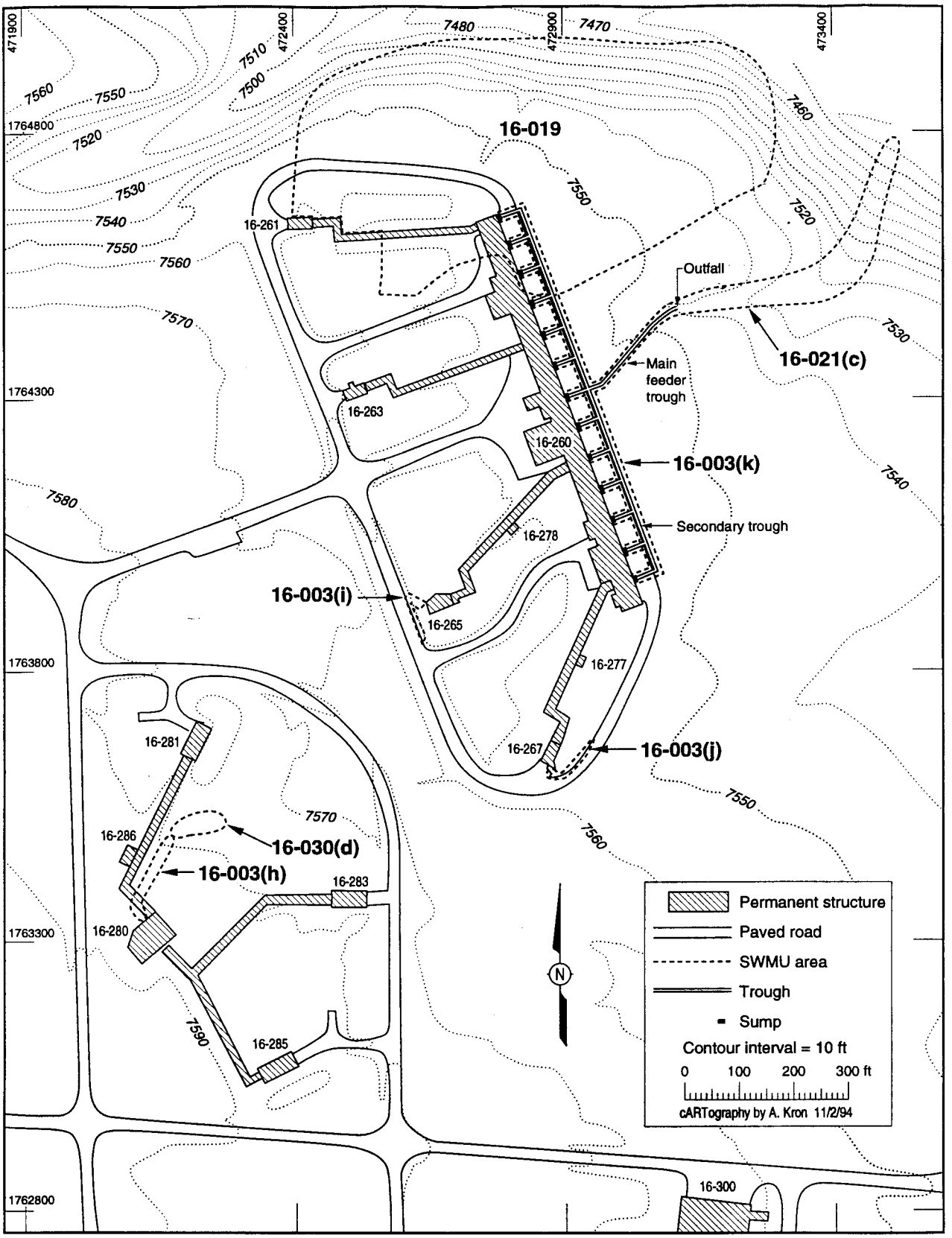


Fig. 5-27. TA-16-260 and TA-16-280 groups.

TABLE 5-21

POTENTIAL RELEASE SITES AND POTENTIAL CONTAMINANTS OF CONCERN CONTAINED IN OU 1082, TA-16-260 AGGREGATE

				HE		RAD	METALS		ORGANICS		
PRS NO.	DESCRIPTION	PRIMARY ACTIVITY LEADING TO POTENTIAL PROBLEMS	ACTIVE	UNDETONATED HE	HE DEGRADATION PRODUCTS	URANIUM	METALS SUITE	BARIUM	VOLATILES	SEMIVOLATILES	CYANIDE
16-003(k)	HE sump	HE machining	Y	x	x	x	x	x	x	x	x
16-021(c)	TA-16-260 outfall	HE machining	Y	x	x	x	x	x	x	x	x

TABLE 5-22

HIGH EXPLOSIVES IN THE TA-16-260 DRAINAGE CHANNEL

DATE	SAMPLE LOCATION	HMX/RDX	TNT	TOTAL HE
03/11/60	Pond center	8.5	1.3	9.8
03/11/60	Pond center	3.5	1.3	4.8
03/11/60	20 ft below dam	4.3	1.7	6.0
03/11/60	30 ft below dam	3.3	0.7	4.0
03/11/60	100 ft below dam	2.7	0.04	2.7
03/11/60	150 ft below dam	0.5	0.02	0.5
04/29/70	Outfall	7.0	0.0	7.0
04/29/70	Pond center	20.5	3.7	24.2
04/29/70	1 ft below dam	4.8	0.07	4.9
04/29/70	Between dam and cliff	12.9	0.12	13.0
04/29/70	Cliff	3.9	0.10	4.0
11/18/70	10 ft from outfall	3.2	0.0	3.2
11/18/70	Inlet to pond	14.1	0.1	14.5
11/18/70	10 ft above dam	22.1	0.5	22.6
11/18/70	5 ft below dam	14.5	0.2	14.7
11/05/71	10 ft from outfall	2.9	0.0	2.9
11/05/71	Pond inlet	10.8	0.0	10.8
11/05/71	10 ft above dam	25.7	0.0	25.7
11/05/71	10 ft below dam	22.5	0.0	22.5
08/22/73	10 ft from outfall	1.3	0.0	1.3
11/14/74	Outfall	1.7	0.0	1.7
11/14/74	1 ft above dam	17.1	0.1	17.8
11/14/74	50 ft below dam	13.7	0.2	13.9
12/05/75	10 ft from outfall	0.2	0.0	0.2
12/05/75	1 ft above dam	9.2	0.0	9.2
11/19/76	10 ft from outfall	0.2	0.0	0.2
11/19/76	50 ft from outfall	3.0	0.1	3.1
11/19/76	65 ft from outfall	26.7	0.3	27.0
11/19/76	250 ft from outfall	17.3	0.3	17.6
07/18/84	3 ft from outfall	0.3	0.0	0.3
07/18/84	30 ft from outfall	10.4	0.9	11.3
07/18/84	50 ft from outfall	16.7	2.3	19.0
09/12/85	30 ft from outfall	2.0	0.1	2.1
09/12/85	110 ft from outfall	26.6	4.8	31.4
09/12/85	230 ft from outfall	1.7	0.1	1.8

Quantities of explosives are given in weight percent (wt %). Surface samples were taken from the sediment. Most samples were taken along the center line of the drainage channel. Distances are approximate. The sampling technique and analytical method are described in Baytos 1972, 15-16-275. Data from Baytos (1970-1985, 15-16-278 to 15-16-268). Soil SALs: TNT = 40 ppm (0.004 wt %), HMX = 4 000 ppm (0.4 wt %), RDX = 64 ppm (0.0064 wt %), and barium = 5 600 ppm.

use of HE as very high and the probability of contamination in the outfall as very high. As shown in Table 5-18, dimethyl sulfoxide was the only solvent found by Panowski and Salgado (1971, 15-16-038; LANL 1989, 15-16-361). Currently, solvents are drummed to prevent their reaching the sump.

The two sumps serving machining Bays 22 and 23, and 24 and 25 receive barium precipitation treatment. After pH adjustment, barium is precipitated as insoluble barium sulfate by adding sodium sulfate to the sump solution. Barium residues are removed to the TA-16 burning ground when the sumps are serviced.

HE charges to which uranium has been fastened (e.g., glued) have been machined at TA-16-260. Generally, only the HE was machined. Uranium was left intact. Special precautions are taken to prevent uranium from entering the waste water system (LANL 1989, 15-16-361).

In 1955, H-Division reported concerns that airborne particulate levels for TNT exceeded permissible limits at TA-16-260 (H-Division 1955, 15-16-227; and H-Division 1955, 0482).

SWMU 16-021(c). SWMU 16-021(c) is the outfall associated with the 13 HE sumps on the northeast side of TA-16-260 (Fig. 5-27). Although listed as inactive in the SWMU Report, the outfall is active (LANL 1990, 0145).

The drainage channel from the outfall flows about 600 ft to the bottom of Cañon de Valle, a drop in elevation of 80 ft. The drainage channel from the outfall is well defined, with apparent high-water marks. The water flows over a 15-ft high cliff approximately 500 ft from the outfall. A small pond approximately 55 ft long is formed by a rock dam located 93 ft from the outfall. HE-contaminated water from the outfall enters the pond about 40 ft from the outfall. The longitudinal axis of the pond is oriented east-west with flow in the easterly direction. The dam is about 9-ft thick, but only the first 2 ft of rock are closely packed. At present, the water in the pond is less than 2-in. deep and covers only a small area, although the soil and sediment are wet throughout the pond. Rain water from the roadway on the northeast side of TA-16-260 also flows into the pond. Bioremediation and other experiments are presently being conducted in the pond.

5.3.1.2 Conceptual Exposure Model for HE Sumps and Active Outfalls

The conceptual model for TA-16-260 is identical to that of the inactive HE sumps described in Subsection 5.2.1.2 (see Fig. 4-9).

5.3.1.2.1 Nature and Extent of Contamination

Existing data for the TA-16-260 outfall are extensive and show widespread HE contamination extending from the discharge point to Cañon de Valle (Tables 5-22 through 5-25) (Baytos 1970, 15-16-278, etc.; Turner and Schwartz 1971, 15-16-284; King 1991, 15-16-381; and King 1992, 15-16-380). Values range up to three orders of magnitude greater than SALs.

Baytos analyzed sediment samples taken from the channel during the period 1970 through 1985 (Table 5-22). His study extended several hundred feet from the outfall. The highest concentrations of HMX-RDX and TNT were found in the pond. Concentrations of total HE in the pond have remained uniformly high, from a low of 10.8 wt % in 1971 to 27.0 wt % in 1976 (Baytos 1971, 15-16-277; and Baytos 1976, 15-16-271). Baytos cited an unpublished report from 1960 in which the total HE concentration was 9.8 wt % (Baytos 1972, 15-16-275). In 1991, Barr and King found concentrations as high as 34.1 wt % in the pond (King 1991, 15-16-381; King 1992, 15-16-380). Barr and King also found that HE concentrations were high (4.4 wt %) for a distance of over 200 ft down the drainage. In dry soil such high concentrations could be considered explosive mixtures under certain conditions (Urizar 1984, 15-16-353). Turner and Schwartz found that waste material from TA-16-260 travels only a short distance down Cañon de Valle.

Baytos' distances from the outfall are approximate (i.e., within 10 ft). Distances the samples were taken from the center line of the pond were not recorded. Therefore, there may be some inconsistencies in the data. For example, two samples taken on March 11, 1960, from the center of the pond have significantly different HE concentrations. However, one sample was taken on the approximate center line of the pond while the other was taken near the edge of the pond.

In 1972 contaminants in TA-16-260 sump water ranged from 0 to 3.2 ppm HMX-RDX, 10 to 18 ppm TNT, and 70 to 1 587 barium nitrate (Roybal 1972, 15-16-439). As part of NPDES permit application, sump waters from

TABLE 5-23

HIGH EXPLOSIVES AND BARIUM IN SOILS AND WATER AT TA-16-260

SAMPLE	MEDIA	HMX/RDX	TNT	BARIUM
3	Sump water	0.3	33	4
19	Water	1.5	3	30
20	Soil	0.6	1	9

Data from Turner and Schwartz (1971, 15-16-284). All values in ppm. Soil samples represent 4-hour Soxhelt extractions. Soil SALs same as Table 5-22. Water SALs: HMX = 1.8 ppm, RDX = 0.00032 ppm, TNT = 0.0175 ppm, and barium = 1 ppm.

TABLE 5-24

HIGH EXPLOSIVES IN THE TA-16-260 DRAINAGE CHANNEL,

BARR-KING DATA OF 1991*

SEDIMENT SAMPLE LOCATION	HMX/ RDX	TNT	TOTAL HE	BARIUM
1 ft from outfall	3.4	0.1	3.5	
20 ft from outfall	1.8	1.0	2.8	
40 ft from outfall	0.1	<0.1	0.1	
45 ft from outfall	2.9	<0.1	2.9	
50 ft from outfall, pond center line	4.9	<0.1	4.9	
60 ft from outfall, pond center line	6.4	0.1	6.4	
60 ft from outfall, north edge of pond	0.5	<0.1	0.5	
70 ft from outfall, pond center line	9.1	0.6	9.7	
70 ft from outfall, north edge of pond	19.0	2.0	21.0	
80 ft from outfall, pond center line	22.3	3.0	25.3	
90 ft from outfall, pond center line	26.7	2.0	28.7	
90 ft from outfall, 12 in. from north edge	7.6	<0.1	7.6	0.85
91 ft from outfall, pond center line	3.0	<0.1	3.0	0.43
91 ft from outfall, pond center line, 2 in. deep	7.6	<0.1	7.6	0.53
91 ft from outfall, pond center line, 8 in. deep	6.1	0.2	6.3	0.51
91 ft from outfall, pond center line, 13 in. deep	13.5	0.4	13.9	0.46
91 ft from outfall, 8 in. from edge, 13 in. deep	24.8	9.3	34.1	0.33
91 ft from outfall, 12 in. from edge, 13 in. deep	27.8	1.0	28.8	0.67
110 ft from outfall	7.6	0.3	7.9	
135 ft from outfall	2.3	<0.1	2.3	0.35
210 ft from outfall	4.4	<0.1	4.4	0.65

Quantities of explosives and barium are given in weight percent (wt %). Surface samples were taken from the sediment along the center line of the drainage channel, unless otherwise specified. Soil SALs same as Table 5-22.

* (King 1991, 15-16-381; and King 1992, 15-16-380).

TABLE 5-25

DAILY WATER TESTING FOR CONTAMINANTS IN HIGH EXPLOSIVES SUMPS, TA-16-260 OUTFALL*

DAY:	1	2	3	4	5	6	7	8	9	10	MEAN	STANDARD DEVIATION	SALs WATER (ppm)
pH	7.91	7.80	7.80	7.90	7.98	7.80	7.95	8.10	9.20	7.85	8.03	0.422	
Suspended solids	2.6	4.6	3.1	2.6	6.2	0.0	2.0	0.8	1.3	0.9	2.4	1.88	
TNT	0.06	0.0	0.0	0.02	0.0	0.04	0.0	0.0	0.01	0.19	0.03	0.059	0.0175
RDX	2.25	0.0	0.03	0.02	0.0	0.34	0.0	0.04	0.03	1.19	0.39	0.751	0.00032
HMX	1.29	2.06	1.96	1.92	1.53	2.70	1.47	1.53	1.61	2.47	1.85	0.458	1.6
Acetone	nd	nd	nd	nd	nd	0.3	nd	0.1	0.2	0.1	-	-	3.5
MEK	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	-	-	1.7
Bu-Ac	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	-	-	
Toluene	nd	nd	nd	nd	nd	nd	7.7	0.1	nd	nd	-	-	0.75

* Baytos 1988, 15-16-266
Quantities are given in parts per million (ppm). Samples were taken on ten consecutive working days.
Mean and standard deviation computed by others.
nd: Not detected
MEK: Methyl ethyl ketone
Bu-Ac: n-Butyl acetate

TA-16-260 were analyzed for TNT, yielding values ranging from <0.4 to 78 ppm (LASL 1977, 15-16-426). In 1988, Baytos analyzed water samples taken from the outfall. His data are tabulated in Table 5-25.

5.3.2 Remediation Decisions and Investigation Objectives

Problem Statement (DQO Step 1)

The 13 sumps with a common outfall at TA-16-260 are all associated with HE processing activities. Archival data indicate extensive HE contamination is present, at levels as high as 30 wt % in soil. Other COCs include barium and other metals, uranium, semivolatiles, and volatiles. The primary goal of Phase I for these sumps will be to bound the region of contamination. A secondary goal is to detect PCOCs other than HE in those regions of this SWMU where HE contamination is minimal. All of these sumps are currently in active use. Their outfall has not been plugged, so the associated drain lines and their common outfall are also active.

Sampling will be necessary to determine a boundary for the HE-contaminated zone. The extant information will be used to provide information for Phase II sampling plans, to proceed directly to a VCA followed by additional sampling, or possibly to proceed to a corrective measures study (CMS).

Decision Process (DQO Step 2)

Based on the existing data, the highly contaminated central portion of the TA-16-260 drainage will undergo a VCA or CMS. A Phase I study will be conducted to determine which of the following should be recommended for the remainder of the TA-16-260 outfall: 1) Phase II study (if additional information is needed to bound HE-contaminated region); 2) VCA (if Phase I study provides enough data to select a viable and cost-effective remediation option); or, 3) CMS (if Phase I study provides enough data to determine nature and extent of contamination, but additional information on costs and treatment methods are needed before proceeding with remediation). A baseline risk assessment for this site is not deemed to be necessary, because existing data suggest a potential detonation hazard. Current operating procedures restrict worker access to this SWMU.

Possible remediation alternatives include: 1) removal of HE-contaminated soil to a permitted landfill after removal of sufficient HE at the TA-16 burning ground to eliminate any safety risk in transporting the soil off-site; 2) *in-situ* degradation of HE by composting; or, 3) thermal, chemical, or biological treatment of HE-contaminated waste followed by replacement of clean soil. Following remediation the area will be resampled to verify cleanup.

Fig. 5-28 illustrates the decision process.

5.3.3 Data Needs and Data Quality Objectives

Decision Inputs and Investigation Boundary (DQO Steps 3 and 4)

In Phase I, the decision process will be applied to the surface and subsurface soils of the TA-16-260 outfall and the associated drainage located below the TA-16-260 outfall. In Phase I, the following questions will be addressed.

1. How does the HE contamination vary in the TA-16-260 drainage and how far does it extend laterally and down the drainage?

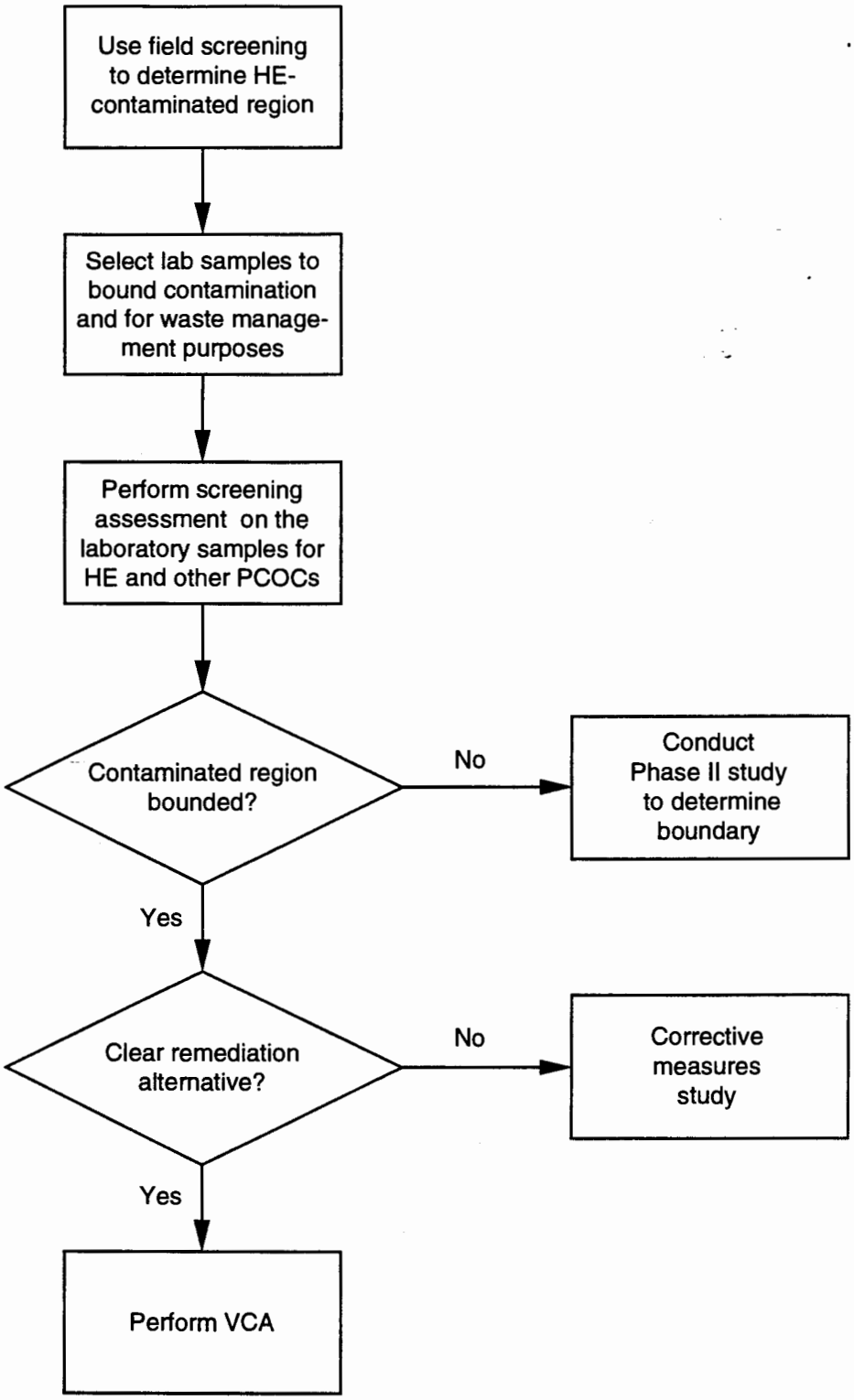


Fig. 5-28. Decision flow for TA-16-260 sumps.

2. Do the levels of semivolatiles, volatiles, uranium, barium, or other metals differ from background? If so, do they exceed SALs in the surface soils of the drainages associated with the TA-16-260 outfall in the area outside the HE-contaminated region that will be remediated?

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3. What types of wastes are located in the contaminated outfall?
4. Is there any HE contamination beneath the sumps and troughs?

Additional questions regarding possible vertical transport of HE into bedrock will be deferred until after VCA, due to the hazards of subsurface drilling in an area highly contaminated with HE.

The data needed to answer the first question are the concentrations of HE in the surface soils bounding the TA-16-260 drainage. The data needed to answer the second question are the concentrations of the other potential contaminants in the surface soils bounding the drainages. The third question requires both surface and subsurface samples in highly contaminated regions in the center of the drainage. The fourth question requires samples from angled boreholes beneath sumps and troughs. Surface contaminants will be assumed to be concentrated in the natural sediment traps of the drainage. The sampling will proceed downslope to Cañon de Valle, which will be sampled as described in Subsection 5.9.

The drainage channel for TA-16-260 is well defined, so lateral sampling is proposed at 5 ft from the drainage. The OU 1082 team considers it unlikely that contamination has reached a distance of 5 ft from the edge of HE-contaminated central drainage, but due to the magnitude of contamination in the site, the assumption will be verified.

Decision Logic (DQO Step 5)

The perimeter sampling plan uses field screening to provide a bound on the HE-contaminated region, so laboratory samples directly outside the TA-16-260 drainage will be intended to confirm the absence of contamination outside the field-screened clean region. The perimeter of the HE-contaminated region will be determined using a grid of HE field screening points, supplemented by additional field-screening points where needed to

achieve negative HE spot tests. Based on the results of Phase I study, proceed as follows: 1) If the laboratory samples contain HE, barium, uranium, or other COCs at levels different from background and the sample maxima are above SALs, then initiate a Phase II study to further delineate the boundary of the HE-contaminated region; 2) if the HE-contaminated region has been bounded, perform VCA followed by cleanup verification monitoring within the remediated zone; and, 3) if sufficient information on the nature and extent of contamination is available, but additional data are needed prior to implementing remediation, perform a CMS. This study would involve feasibility studies focused on determining the most efficient, cost-effective, and safe method of remediating such a highly HE-contaminated area.

Design Criteria (DQO Step 6)

A 20-ft downslope spacing was selected for radiation and HE field screening because such an interval roughly corresponds to a scoop distance for a small backhoe, which may be used during VCA. A 5-ft lateral spacing would detect contaminants transported from the well-defined central drainage during over-bank flooding events. The entire length of the drainage, from the outfall to Cañon de Valle, will be investigated because existing data suggest that HE and barium discharged from TA-16-260 have reached Cañon de Valle.

Radiation screening: Radiation screening will be conducted to check for the presence of uranium. Based on the likely limited transport of uranium in the drainage (Becker et al. 1985, 0029) and the unlikely possibility of uranium discharge from TA-16-260, radiation field screening will be limited to the first 100 ft of the drainage during Phase I.

Surface samples: Laboratory and field laboratory samples will be taken in the center of the drainage with a 20-ft interval from the outfall to a distance of 100 ft from the pond. Then the interval for laboratory samples will be increased to 60 ft until the drainage intersects Cañon de Valle. These samples are designed to support waste management activities as part of a VCA.

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In addition, a perimeter sampling approach will be applied that combines measurements from HE field screening and analytical samples. Field screening will be applied as described in Subsection 5.3.4 to determine the edge of HE-contaminated area. Based on the results of HE field screening on a grid, 14 analytical samples will be taken outside the HE-contaminated region, as delineated by field-screening. A 100-ft interval for these laboratory samples should provide adequate coverage of the soils bounding the central drainage. These laboratory samples will be used to check for barium and for HE occurring at levels above SALs but below the limit of detection of the HE spot test. Additional samples will be taken where radiation field screening results yielded above background levels in order to examine the possible presence of uranium.

24a
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Subsurface samples: Although augering in highly HE-contaminated zones is hazardous, a limited number of subsurface samples are needed for waste management characterization, particularly to determine the presence or absence of RCRA-listed solvents in the outfall. Three laboratory samples will be selected from subsurface cores in the highly contaminated region of the outfall. The locations of those samples will be based on field screening by PID.

In addition, subsurface samples beneath the sumps and their feeder troughs are required to determine the distribution of contamination. At least 10 laboratory samples will be taken from 5 angled cores beneath the sumps and from 5 angled cores beneath the drainage troughs.

5.3.4 Sampling and Analysis Plans

The outfall from the sumps associated with machining building TA-16-260 are by far the most contaminated of any at S-Site (see Subsection 5.3.1.2.1).

24a
text
deleted

The HE sumps described in this subsection are all active. In addition, the drain line for these sumps is in use, although WX-3 will soon plug the outfall (Barr 1992, 15-16-329).

SOPs that control field activities in this sampling plan are listed in Table 5-26. Sample numbers and necessary analyses are shown in Table 5-27. Field screening methods are described in Subsection 4.7. SOPs for field screening are currently in preparation.

TABLE 5-26

STANDARD OPERATING PROCEDURES FOR FIELD ACTIVITIES

LANL-ER-SOP	TITLE	NOTES
01.02, R0	Sample Containers and Preservation	Applied to all laboratory samples
01.04, R1	Sample Control and Field Documentation	Applied to all laboratory samples
06.11, R0	Stainless Steel Surface Soil Sampler	All 0 to 6 in. surface samples
06.10, R0	Hand Auger and Thin-Wall Tube Sampler	Applied to all augered soil samples

5.3.4.1 Engineering Surveys

A detailed engineering survey is needed to delineate the boundaries of the drainage from the HE outfall accurately in the field, as well as to lay out sampling points for radiation screening, HE screening, and surface and subsurface sampling.

25

All sample locations will be registered on a base map, scale 1:7 200. If during the course of sampling any sample points must be relocated, the new position will be resurveyed and the revised locations will be indicated on the map. The engineering survey will be performed by a licensed professional under the supervision of the field team leader.

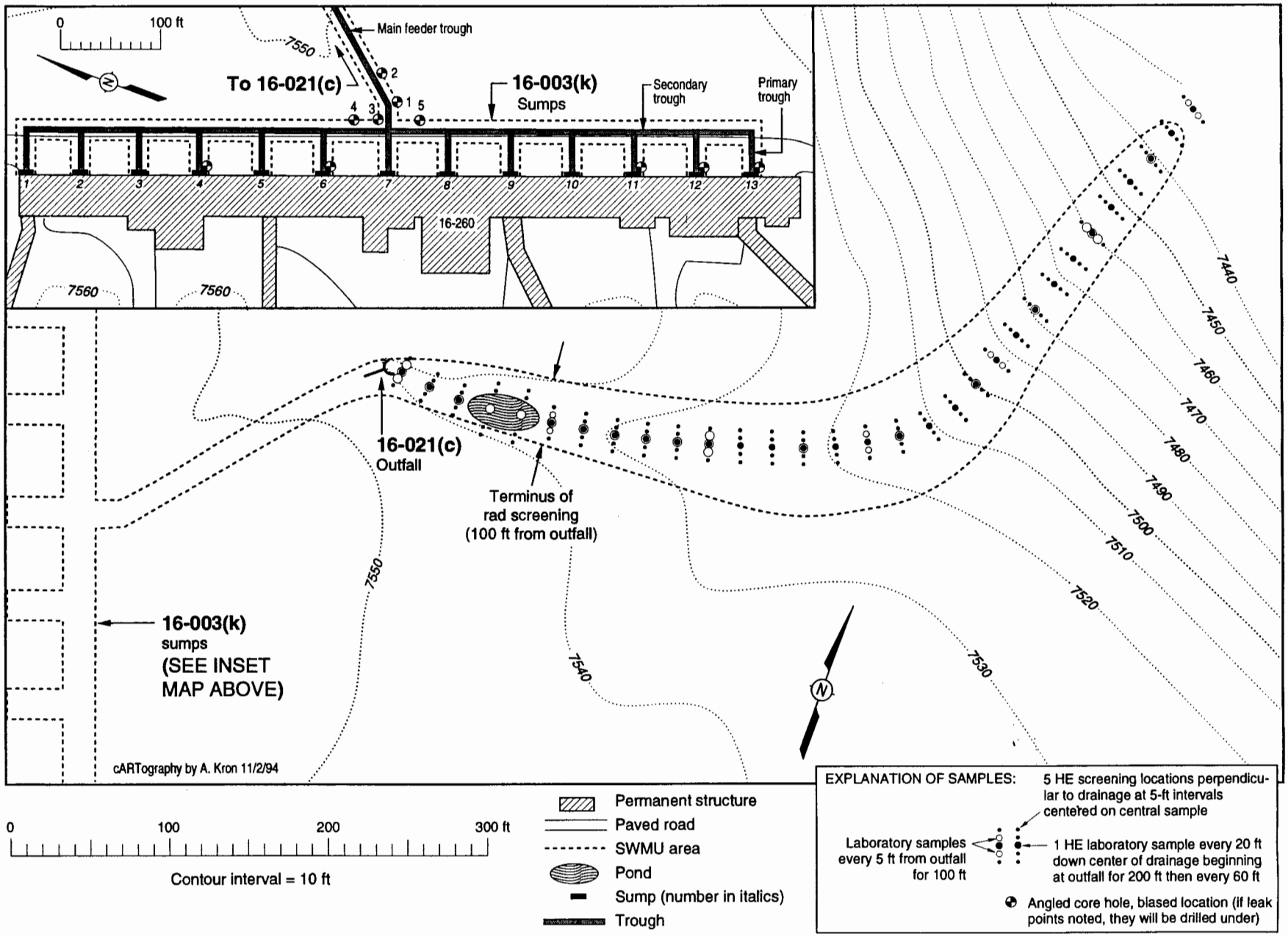
The field-screening points will be centered perpendicularly from the main drainage from the outfall behind TA-16-260 (Fig. 5-29). Points for field screening will be surveyed at 20-ft downstream intervals and 5-ft lateral intervals; for those areas where the drainage is wider than 5 ft, within the main channel downstream from the outfall egress point to Cañon de Valle. In addition, two points, spaced at 5-ft intervals, will be surveyed to the northeast and southwest of the edge of the main drainage channel and pond. The surveyed points will thus provide an approximately 31 x 5 ft grid for HE screening extending roughly 600 ft from the outfall to Cañon de Valle. Low-energy gamma radiation measurements for the detection of uranium and other radionuclides will be reported at the point surveyed above for a distance of 100 ft from the outfall at the grid intervals. Measurements will be

TABLE 5-27

SUMMARY OF SITE SURVEYS, SAMPLING, AND ANALYSIS FOR TA-16-260

PRS	PRS TYPE	SAMPLED MEDIA	LABORATORY SAMPLES #						FIELD SCREENING #							FIELD						LABORATORY ANALYSES #										
			STRUCTURE		SURFACE		SUBSURFACE								A					B				C			D	E	F	G	H	
				FIELD DUP		FIELD DUP		FIELD DUP	GROSS ALPHA	GROSS GAMMA/BETA	ORGANIC VAPOR	HE SPOT TEST	GEOPHYSICS SURFACE	BARIUM - LIBS	GEOLOGICAL CHARACTERIZATION	GROSS ALPHA	GROSS GAMMA/BETA	HE	VOLATILE ORGANICS	XRF	SOIL MOISTURE	ALPHA SPECTROSCOPY	GAMMA SPECTROSCOPY	BETA SPECTROSCOPY	TOTAL URANIUM	ISOTOPIC PLUTONIUM	ISOTOPIC URANIUM	VOA (SW 8240)	SEMIVOLATILES (SW 8270)	METALS (SW 6010)	PCBs (SW 8080)	HIGH EXPLOSIVES (SW 8330)	CYANIDE
16-003(k)	HE sump & trough	Sediments					20					120													20		20	20	20		20	20
16-021(c)	Bounding samples	Sediments			14					30		155													14			14	14		14	14
16-021(c)	Drainage center	Sediments			17		3				33														20		3	20	20		20	20

A, B, C, G = not applicable; D, E, H = full suite; F = 1082 suite. Note that TCLP analyses will be done on the center-drainage samples within 100 ft of the pond.
The actual number of points will depend on the results of the field screening as it defines the lateral boundaries of the contaminated area.



Permanent structure
Paved road
SWMU area
Pond
Sump (number in italics)
Trough

Fig. 5-29. Schematic TA-16-260 sampling grid.

examined for high values that would be used to guide the sampling described in the following sections. Field screening for HE (Baytos 1991, 15-16-339) will be performed at the points surveyed as described above. If positive HE or above-background radiation field-screening measurements are found in the points located at 10 ft from the drainage channel and pond, additional field-screened points, spaced at 5-ft intervals, will be surveyed and screened until the soils field screen as uncontaminated with HE or uranium. The goal of this HE field screening is to provide constraints on the downslope and lateral extent of the HE-contaminated region extending away from the central drainage channel and outfall to facilitate a VCA.

Thus, we will define a perimeter that bounds the highly HE-contaminated region using inexpensive field-screening techniques.

5.3.4.2 Sampling

Surface samples for laboratory analysis will be taken to investigate PCOC concentrations in areas abutting the channel, which is slated for VCA. Thus, if the environmental transport mechanisms for HE and other PCOCs such as barium are significantly different, there should be evidence of any other PCOCs that were transported from the channels. These laboratory samples will also provide quantitative information on any low-level HE contamination outside the drainage channels and information on any HE by-products outside the drainage channel. The laboratory surface samples will investigate HE levels in soils near the TA-16-260 outfall that may be present at a level between background and the detection limit for the HE screening.

After determination of the HE-contaminated region using the HE field spot test, laboratory samples will be taken at field-screening points at a distance of 5 ft from the edge of the main drainage on both the northwest and southeast of the drainage channel. These laboratory samples will be taken every 100 ft from the outfall point to Cañon de Valle, for a total of 14 samples. In addition, any points that yield positive results for radiation during the field surveys will be sampled for laboratory analysis. At all of these surface sampling locations, 0 to 6 in. of soil will be collected. The sampling strategy is delineated schematically in Fig. 5-29.

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Samples will be taken in the center of the drainage every 20 ft starting at the outfall and continuing for a distance of 100 ft from the HE pond (Fig. 5-25). Each of these samples will be augered to a depth of 2 ft or bedrock. The 0- to 6-in. interval of each of these cores will be submitted for laboratory analysis (Table 5-27). The remainder of each of these cores will be screened on 6-in. intervals for volatile organics by PID. Three deep-surface laboratory samples will be selected from these screened intervals based on positive readings on the PID. The samples exhibiting the highest readings will be selected. In the absence of positive readings, the three deep-subsurface samples will be randomly selected. These deep surface samples will be analyzed for volatiles, as well as the other COCs for this aggregate. Starting at a distance of 100 ft from the pond additional (0 to 6 in.) laboratory samples will be collected from the surface at 60-ft intervals downstream to Cañon de Valle.

24a

Subsurface sampling is needed beneath the active sumps and drainage troughs.

Sumps 4, 6, 11, 12, and 13 (from the north end of the building) have been used extensively (Hyde 1994, 15-16-564) and are representative of all 13 sumps (Fig. 5-30). A single 45-degree angled core hole to a total depth of 4 ft, with a wellhead at a distance of 2 ft east of each of these sumps would yield a core that passed roughly 2 ft beneath the center of each sump (Fig. 5-30). Wellheads will be located so the cores pass adjacent to the sump-trough joint, a possible leak point. These cores will be screened at 6-in. intervals for HE by spot test. The deepest and shallowest positive sample for each sump will be submitted for laboratory analysis. In the absence of a positive reading for any sump, submit only the deepest sample from a core. We will not continue coring farther than beneath the center of the sump because we do not want to core into the building's foundation.

The subsurface beneath the feeder troughs to the 260 outfall will also be sampled using angled cores. A preliminary examination of roughly 10 locations on the feeder troughs revealed no obvious leak points or cracks. A more detailed survey that will include washing the interior of the troughs with water will further search for leak points or patched areas. If these are found, they will be sampled preferentially. In the absence of the discovery of leak points, the 5 trough samples will be located: 1) at a

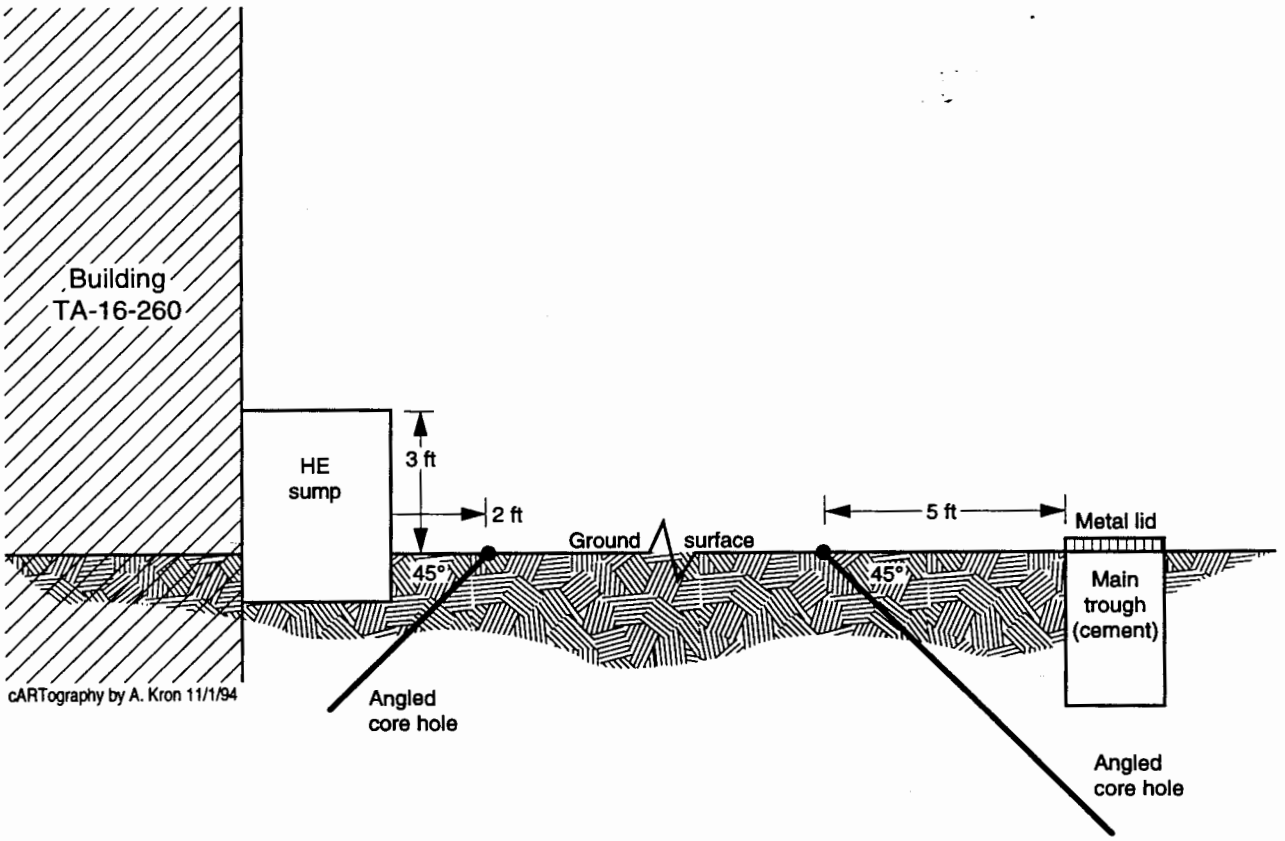

Fig. 5-30. Schematic cross section showing angled coring approach under sumps and troughs

distance of 20 ft down the main feeder trough; 2) at a distance of 40 ft down the main feeder trough; 3) at the joint between the main feeder trough and the 2 main secondary troughs; 4) at a distance 20 ft north of the main trough joint; and, 5) at a distance 20 ft south of that joint. Those locations are designated as 1 - 5 on Fig. 5-29.

Each of these 45-degree angled cores will have a wellhead roughly 5 ft from the trough and will pass roughly 1 to 2 ft beneath the center of the trough. The cores will be HE field screened on 6-in. intervals, and the shallowest and deepest positive intervals will be sent for laboratory analysis. In the absence of positive indicators only the deepest core interval will be submitted for laboratory analysis. If the deepest interval in any core yields a positive field screening reading, continue coring and laboratory sampling until no positive HE screening readings are found.

5.3.4.3 Laboratory Analysis

Full laboratory analyses of samples will be at Level III using the following methods: uranium (LANL or DOE method), VOCs (SW-846 Method 8240), SVOCs (SW-846 Method 8270), metals (SW-846 Method 6010), and HE and its by-products (SW-846 Method 8330). TCLP analysis for metals will be performed on a subset of samples. SOPs used in this sampling plan are listed in Table 5-26. The metal of particular concern for this sampling plan is barium; HE of principal concern are HMX, RDX, TATB, and TNT; HE by-products of concern are HE degradation products and HE impurities such as DNT, DNB, and TNB (See Appendix D).

5.3.4.4 Sample Quality Assurance

Field quality assurance samples will be collected according to the guidance provided in the latest revision of the IWP. Sampling parameters are summarized in Table 5-27, including a listing of appropriate QA/QC field duplicates planned to be collected during the course of the field investigations.

Department of Energy
Field Office, Albuquerque
Los Alamos Area Office
Los Alamos, New Mexico 87544

NOV 30 1994

Mr. William Honker, Chief
RCRA Permits Branch
Hazardous Waste Management Division
U.S. EPA, Region 6
1445 Ross Ave., Suite 1200
Dallas, Texas 75202-2733

Dear Mr. Honker:

Please find enclosed revised sections of the Operable Unit 1082 Resource Conservation and Recovery Act Facility Investigation Workplan which incorporates all changes listed in the Notice of Deficiency (NOD) submitted by the Environmental Protection Agency (EPA) on July 18, 1994. The revised sections reflect the response to the NOD that was transmitted to the EPA on August 17, 1994. Should you have any questions, please contact me at (505) 665-7203.

Sincerely,

Theodore J. Taylor
Program Manager
Environmental Restoration
Program

Enclosure

cc w/enclosure:
Ms. Kathleen Sisneros
New Mexico Environment Department
1190 St. Francis Drive
P.O. Box 26110
Santa Fe, New Mexico 87502
B. Swanton, NMED-AIP, MS J993
T. Taylor, LAAMEP, MS A316
C. Fesmire, LAAMEP, MS A316

NOV 30 1994

cc wo/enclosure:
K. Schenck, Scientech/LAAO, ES&H, MS A316
J. Levings , AL-ERPO, MS A906
E. Merrill, EM-452, HQ
W. Spurgeon, EM-452, HQ
T. Baca, UC-LANL, EMP, MS J591
J. Jansen, UC-LANL, EM/ER, MS M992
K. Hargis, UC-LANL, ESH-8, K490
RPF, MS M707
File 1.4.2.6.1.7.1.2

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS, TX 75202-2733

DEC 2 2 1994

Mr. Joseph C. Vozella, Chief
Environment, Safety and Health Branch
Los Alamos Area Office
Department of Energy
Los Alamos, NM 87544

Dear Mr. Vozella:

The Environmental Protection Agency (EPA) has reviewed and approves the first RCRA Facility Investigation (RFI) workplan for Operable Unit 1082 with the enclosed modifications. The approved workplan shall consist of the RFI workplan submitted on July 16, 1993, the Notice of Deficiency responses dated August 17, 1994, September 16, 1994, October 14, 1994, and November 30, 1994, as well as the enclosed modifications. Los Alamos National Laboratory shall immediately implement this workplan according to the proposed schedule.

If you should have any questions, please feel free to contact Barbara Driscoll of my staff at (214) 665-7441.

Sincerely yours,

for Allyn M. Davis, Director
Hazardous Waste Management Division

Enclosure

cc: Ms. Kathleen Sisneros
New Mexico Environment Department
Mr. Jorg Jansen
Los Alamos National Laboratory

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US DOE/LAAO

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Modifications
Operable Unit 1082

1. RFI report dates for each SWMU in this Operable Unit (OU) are listed below:

Report Due	SWMUs
9-30-96	11-001(a-c), 11-002, 11-004(a-e), 11-005(a-c), 11-006(a-d), 11-011(a,b,d), 13-003(a), 16-003(a-o), 16-004(a-f), 16-005(n), 16-006(a,c,d,e), 16-007(a), 16-009, 16-010(a,h,i,k,l,m,n), 16-013, 16-016(a-c), 16-020, 16-021(a,c), 16-026(b,c,d,e,h2,j2,v), 16-029(a-g), 16-030(h)
9-30-97	13-001, 13-002, 13-004, 16-001(a-e), 16-005(g,j), 16-008(a), 16-019, 16-035, 16-036

2. Los Alamos National Laboratory (LANL) may request a Class 3 permit modification for removal of the following solid waste management units (SWMUs) from the HSWA portion of the RCRA permit:

16-012(a-z)

3. **NOD Response dated September 16, 1994, p. 5-81, first and second paragraphs** - LANL shall submit the deepest core sample with an above background reading for laboratory analysis, and shall also submit a sample from one foot below the deepest sample for laboratory analysis.

United States Government

memorandum

Department of Energy
Los Alamos Area Office
Albuquerque Operations Office
Los Alamos, New Mexico 87544

DATE: JAN 9 1995

REPLY TO ATTN OF: LESH:PJT:1082nodapp:1.4.2.6.1.7.1.2

SUBJECT: Approval of the OU 1082 RFI Workplan

TO: H. Jansen, UC-LANL, EM/ER, MS M992

The Region VI Environmental Protection Agency has approved the RCRA Facility Investigation (RFI) Workplan for Operable Unit 1082 pending the attached modifications. The approval was received by LAAO on December 22, 1994. Please modify the RFI Workplan as specified by Region VI and update working copies as appropriate. Should you have any questions, please contact Paul Treat, of my staff, at 7-5808.

Theodore J. Taylor
Program Manager
Environmental Restoration Program

Attachment

cc w/Attachment:
T. Taylor, LAAMEP, MS A316
P. Treat, LAAMEP, MS A316
K. Schenck, Scientech/LAAO, ES&H, MS A316
J. Levings , AL-ERPO, MS A906
E. Merrill, EM-452, HQ
W. Spurgeon, EM-452, HQ
T. Baca, UC-LANL, EMP, MS J591
J. White, UC-LANL, ESH-19, K498
RPF, MS M707

Received by ER-RPF
JAN 09 1995

Paul- Please draft a memo to send to Jorg.
Ted

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS, TX 75202-2733

JAN 12 1995

Mr. Joseph C. Vozella, Chief
Environment, Safety and Health Branch
Los Alamos Area Office
Department of Energy
Los Alamos, NM 87544

Dear Mr. Vozella:

The Environmental Protection Agency (EPA) has reviewed and approves Operable Unit 1082 RCRA Facility Investigation (RFI) Workplan Addendum I with the enclosed modification. The approved workplan shall consist of the RFI workplan submitted on May 25, 1994, and the Notice of Deficiency responses dated November 21, 1994, and December 22, 1994, along with the enclosed modification. Los Alamos National Laboratory shall immediately implement this workplan according to the proposed schedule.

Should you have any questions, please feel free to contact Ms. Barbara Driscoll of my staff at (214) 665-7441.

Sincerely yours,

Allyn M. Davis

Allyn M. Davis, Director
Hazardous Waste Management Division

Enclosure

cc: Ms. Kathleen Sisneros
New Mexico Environment Department
Mr. Jorg Jansen
Los Alamos National Laboratory

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US DOE/LAAO IN

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Modification
Operable Unit 1082 Addendum I

Los Alamos National Laboratory shall submit RFI reports for the following SWMUs as indicated below.

Report Submittal Date	SWMUs
9-30-97	16-005(c,d,j,m); 16-011; 16-023(b); 16-024(e); 16-025(a-b); 16-025(d-f); 16-025(g-s); 16-025(u,v); 16-026(m-q); 16-026(w); 16-029(f2,h2); 16-029(k-u); 16-029(x-z); 16-031(c-d); 16-032(a,c); 16-034(a-f); 16-034(l,p)
6-30-98	16-005(a,e,h,k,l); 16-006(g); 16-015(a,b); 16-017; 16-025(b2,c2); 16-025(t); 16-025(w-z); 16-026(s); 16-028(a); 16-029(a2-e2); 16-029(v,w); 16-034(m-o)

United States Government

(3)

Department of Energy
Los Alamos Area Office
Albuquerque Operations Office
Los Alamos, New Mexico 87544

memorandum

DATE: JAN 18 1995

REPLY TO ATTN OF: LESH:PJT:1082nodapp:1.4.2.6.1.7.1.2

SUBJECT: Approval of the OU 1082 RFI Workplan

TO: H. Jansen, UC-LANL, EM/ER, MS M992

The Region VI Environmental Protection Agency has approved the RCRA Facility Investigation (RFI) Workplan for Operable Unit 1082 Addendum I pending the attached modifications. The approval was received by LAAO on January 18, 1995. Please modify the RFI Workplan as specified by Region VI and update working copies as appropriate. Should you have any questions, please contact Paul Treat, of my staff, at 7-5808.

Theodore J. Taylor
Program Manager
Environmental Restoration Program

Attachment

cc w/Attachment:
T. Taylor, LAAMEP, MS A316
P. Treat, LAAMEP, MS A316
K. Schenck, Scientech/LAAO, ES&H, MS A316
J. Levings , AL-ERPO, MS A906
E. Merrill, EM-452, HQ
W. Spurgeon, EM-452, HQ
T. Baca, UC-LANL, EMP, MS J591
J. White, UC-LANL, ESH-19, K498
RPF, MS M707

Received by ER-RPF
JAN 20 1995

(12)

Los Alamos National Laboratory

ENVIRONMENTAL RESTORATION

Environmental Restoration
University of California
Environmental Restoration, MS M992
Los Alamos, New Mexico 87545
505-667-0808/FAX 505-665-4747

U. S. Department of Energy
Los Alamos Area Office, MS A316
Los Alamos, New Mexico 87544
505-665-7203
FAX 505-665-4504

Date: February 12, 1996
Refer to: EM/ER:96-050

Mr. Steve Yanicak
New Mexico Environment Department
2044 Galisteo Street, Bldg. A
Santa Fe, NM 87502

SUBJECT: SUBMITTAL OF POTENTIAL RELEASE SITE (PRS) 16-021(c) INTERIM ACTION FINAL REPORT

Dear Mr. Yanicak:

In coordination with the Los Alamos National Laboratory's Water Quality group (ESH-18), the New Mexico Environment Department, and the Los Alamos Area Office, Field Unit 3 is formally submitting the final report for the interim action that took place at PRS 16-021(c). As specified in a letter to you dated October 11, 1995, all the suggested best management practices were implemented.

If you have any questions, please call Brad Martin at (505) 667-6080 or Joe Mose at (505) 667-5808.

Sincerely,

for Jorg Jansen, Program Manager
Environmental Restoration

Sincerely,

Theodore J. Taylor, Program Manager
Los Alamos Area Office

JJ/TT/bp

Enclosures: PRS 16-021(c) Interim Action Final Report

Received by ER-RPF
FEB 20 1996

Cy (w/enc.):
M. Alexander, ESH-18, MS K497
B. Driscoll, EPA
B. Garcia, NMED-HRMB
D. Griswold, ERD, AL, MS A906
B. Hoditschek, NMED-HRMB
R. Kern, NMED-HRMB
D. Macdonnel, ESA-FM, MS C928
B. Martin, CST-18, MS E525
R. Michelotti, CST-18, MS E525
J. Mose, LAAO, MS A316
N. Naraine, EM-453, DOE-HQ
R. Taylor, ESA-WMM, MS C930
T. Taylor, LAAO, MS A316
N. Weber, Bureau Chief, NMED-AIP
J. White, ESH-19, MS K490
EM/ER File, MS M992
RPF: [illegible]

Please see Reference Library for attachment(s)

38

Cy (w/o enc.):
T. Baca, EM, MS J591
T. Glatzmaier, DDEES/ER, MS M992
D. McInroy, EM/ER, MS M992
G. Rael, ERD, AL, MS A906
W. Spurgeon, EM-453, DOE-HQ
J. Vozella, LAAO, MS A316

2

Los Alamos National Laboratory

UNIVERSITY OF CALIFORNIA

Environmental Restoration Project
MS M992
Los Alamos, New Mexico 87545
505-667-0808/FAX 505-665-4747

Date: February 16, 1996
Refer to: EM/ER:96-066

SUBJECT: RESUBMITTAL OF POTENTIAL RELEASE SITE (PRS) 16-021(C) INTERIM ACTION FINAL REPORT

To Distribution:

Enclosed please find a good copy of the final report for the interim action that took place at PRS 16-021(c), reference EM/ER:96-050, dated February 12, 1996. I apologize that the enclosure that was previously submitted was missing every other page.

Sincerely,

Gloria M. Norris

Gloria M. Norris

GMN/bp

Enclosure: Potential Release Site 16-021(c) Interim Action Final Report

Cy: M. Alexander, ESH-18, MS K497
B. Driscoll, EPA
B. Garcia, NMED-HRMB
D. Griswold, ERD, AL, MS A906
B. Hoditschek, NMED-HRMB
R. Kern, NMED-HRMB
D. Macdonnel, ESA-FM, MS C928
B. Martin, CST-18, MS E525
R. Michelotti, CST-18, MS E525
J. Mose, LAAO, MS A316
N. Naraine, EM-453, DOE-HQ
R. Taylor, ESA-WMM, MS C930
T. Taylor, LAAO, MS A316
N. Weber, Bureau Chief, NMED-AIP
J. White, ESH-19, MS K490
EM/ER File, MS M992
RPF, MS M707

FEB 27 1996

Interim Action Report for

Solid Waste Management Unit 16-021(c)

Field Unit 3

Environmental Restoration Project

January 1996

A Department of Energy
Environmental Cleanup Program

Los Alamos
NATIONAL LABORATORY

LA-UR-96-419

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1.0 OBJECTIVE

Potential release site (PRS) 16-021(c) is the National Pollutant Discharge Elimination System (NPDES) permitted outfall [Environmental Protection Agency (EPA) 05A056] from TA-16-260, the high explosives (HE) machining facility at S-Site. This PRS has undergone an interim action to stabilize the soil and prevent further migration of contaminants into Cañon de Valle. This action is being conducted at the request of the New Mexico Environment Department (NMED) and the Department of Energy (DOE) Los Alamos Area Office (see Attachment 1). The associated fact sheet can be found in Attachment 2.

2.0 SITE TYPE AND DESCRIPTION

Large quantities of explosives are processed in TA-16-260. Machine turnings are routed to the sumps as waste. Each sump flows into a trunk line that discharges to the outfall. The drainage channel from the outfall is contaminated with explosives waste, including barium nitrate, the primary ingredient in the explosive baratol. The drainage channel from the outfall flows about 600 ft to the bottom of Cañon de Valle, a drop in elevation of 80 ft (Fig. 1). A small pond approximately 55 ft long is formed by a rock dam located 93 ft from the outfall. Stressed vegetation is present in the drainage channel. Rainwater from the roadway on the northeast side of TA-16-260 also flows into the pond.

3.0 CONTAMINANTS

Existing data for the TA-16-260 outfall are extensive and show widespread HE contamination extending from the discharge point to Cañon de Valle [Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) Work Plan for OU 1082, Subsection 5.3.1.1] (LANL 1993, 1094). Sediment samples were taken from the channel from 1960 through 1991. These studies analyzed soil for a distance of several hundred feet from the outfall. The highest concentrations of the high explosives HMX-RDX and TNT were found in the pond. Concentrations of total HE in the pond have remained uniformly high with a maximum of 9.8 wt % in 1960 to 34.1 wt % in 1991(Appendix A). In 1995 RFI sampling was conducted at the TA-16-260 outfall. Surface soil samples were collected and indicated barium levels greater than the SAL of 5 340 ppm. Eleven samples were collected with barium concentrations ranging from 7 500 ppm to 26 900 ppm. Data on water and sediment samples from Cañon de Valle suggest that both RDX and barium have been mobilized from PRS 16-021(c) to the canyon. Other constituents of concern include other metals, uranium, semivolatile organic compounds, and volatile organic compounds.

4.0 INTERIM ACTION

As requested by the NMED and DOE, Field Unit 3 initiated an interim action to stabilize the soil associated with PRS 16-021(c) and prevent further release of contaminants. In coordination with the Water Quality Group (ESH-18) at LANL, the interim action consisted of three measures.

- The volume of surface flow through the drainage channel was reduced by diverting storm water runoff. Johnson Controls workers placed sandbags along the eastern edge of the asphalt apron to divert storm water runoff from the area into adjacent drainages (Fig. 1).
- ICF Kaiser Engineers covered the existing settling pond with Poly-Jute™ matting to reduce the potential for sediments within the pond to be mobilized by rainfall.
- The capacity for sediment deposition within the drainage was enhanced by installing eight straw-bale dams. ICF Kaiser Engineers constructed these dams within the steeper sections of the channel between the existing rock dam and cliff face where the drainage drops into Cañon de Valle.

The dams consist of loose straw, straw bales, and Poly-Jute™ matting. The straw bales are partially wrapped in Poly-Jute™ to maintain the bale structure. A section of Poly-Jute™ mat the width of the drainage channel and 15 ft long was placed in the drainage at each dam location. Loose straw was laid down over the mat in the location of the dam to ensure a seal between the straw bales and the bottom of the drainage channel. The mat was placed so that the upgradient edge of the mat is at or above the specified dam location. Straw bales were placed end-to-end over the loose straw across the entire width of the drainage channel at the specified dam location. The downgradient portion of Poly-Jute™ mat was wrapped over the straw bales. Any excess Poly-Jute™ mat will lay in the bottom of the drainage channel upgradient of the dam, secured in place with rocks. The entire structure is supported with rocks and a log on the downgradient side of the dam. Wire anchors the log at both ends to nearby trees. These measures will reduce mobilization and subsequent transfer of contaminants into Cañon de Valle.

PRS 16-021(c) is listed in the Hazardous and Solid Waste Amendments Module of Los Alamos National Laboratory's Part B operating permit and has undergone a National Environmental Policy Act review for categorical exclusion (B1.3).

Figures 2, 3, and 4 are photographs taken before, during, and after the interim action.

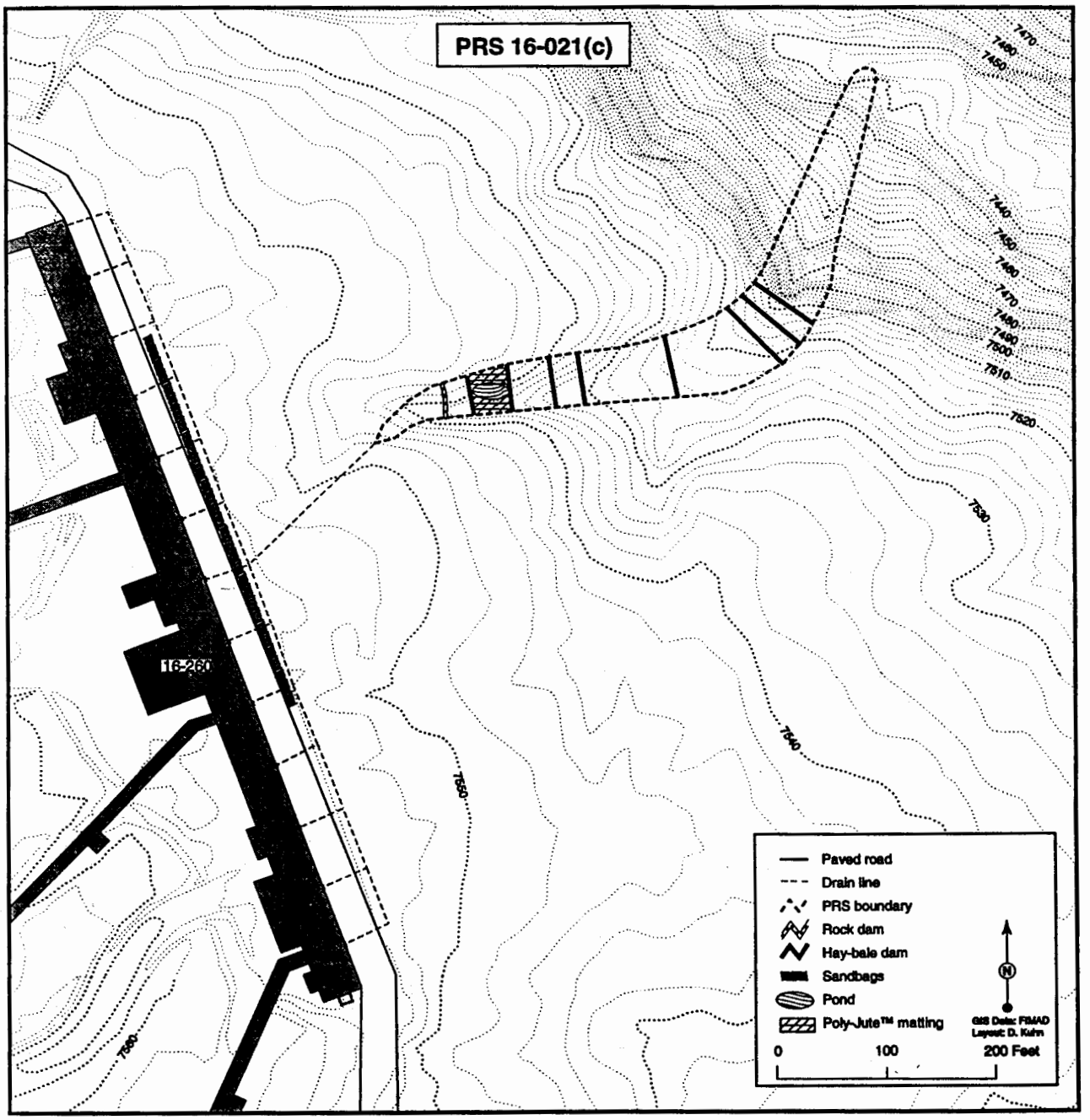

Fig. 1. PRS 16-021(c), outfall from TA-16-260.

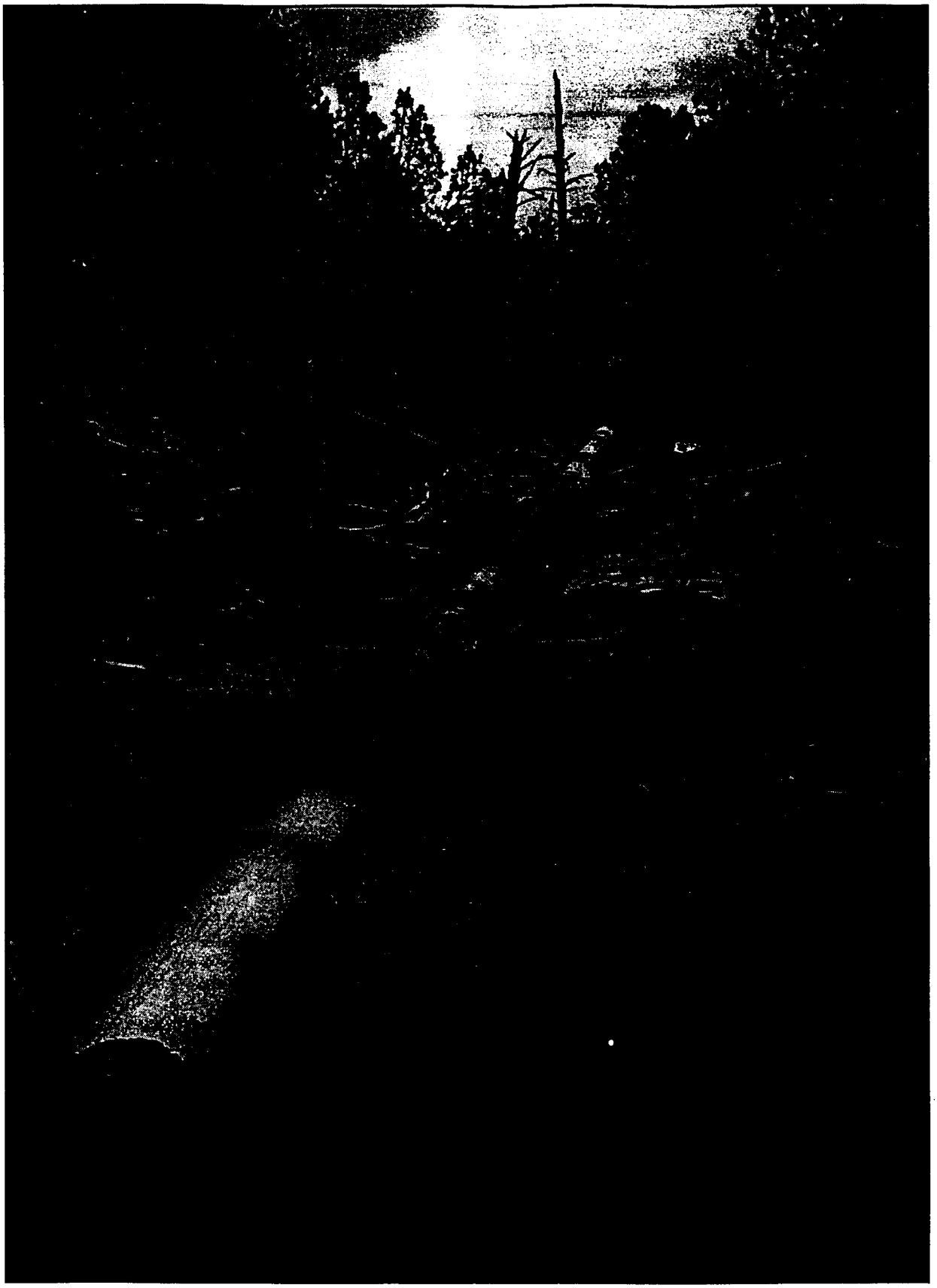

Fig. 2. TA-16-260 outfall, before interim action.

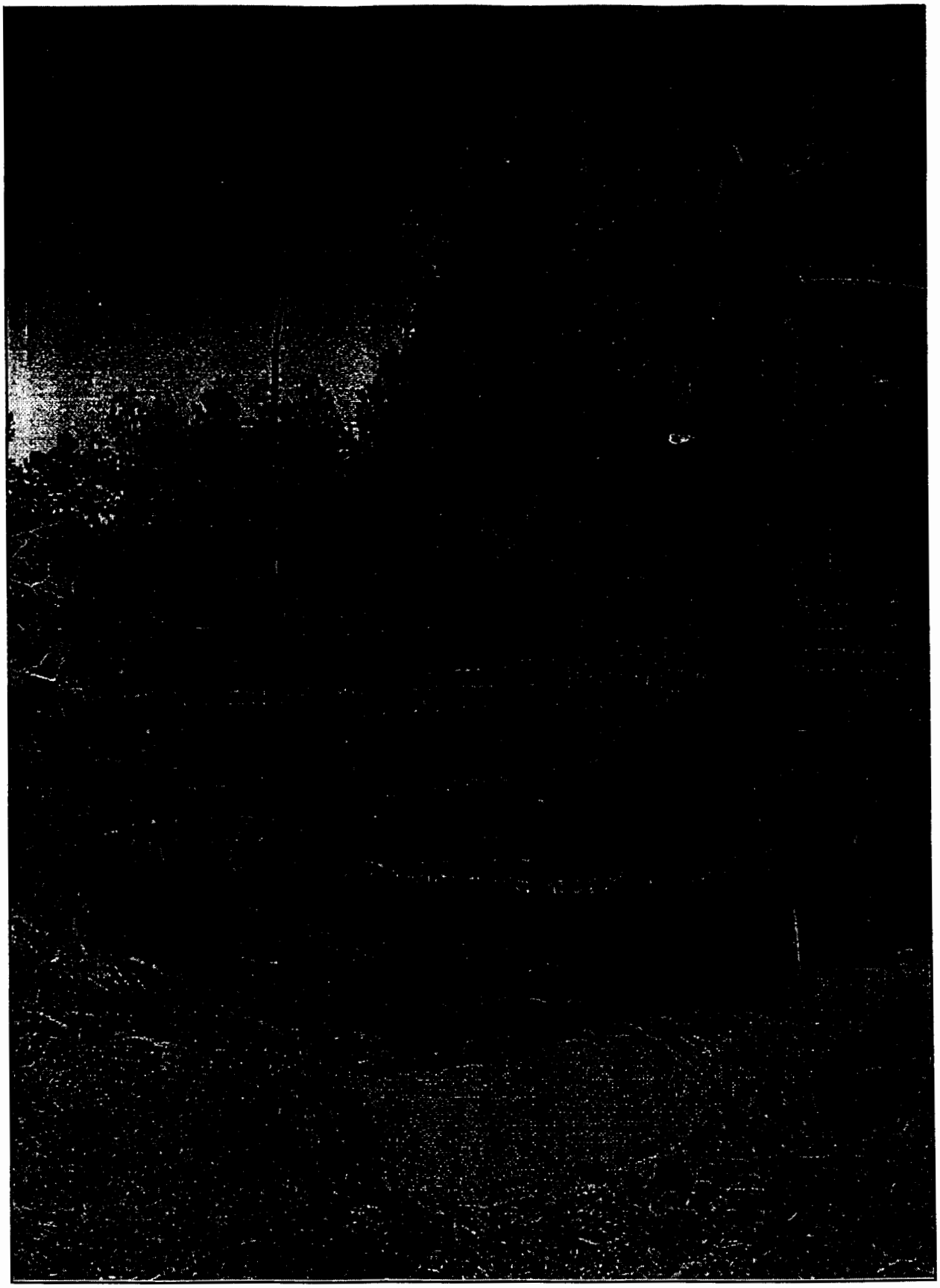

Fig. 3. TA-16-260 outfall, during interim action.

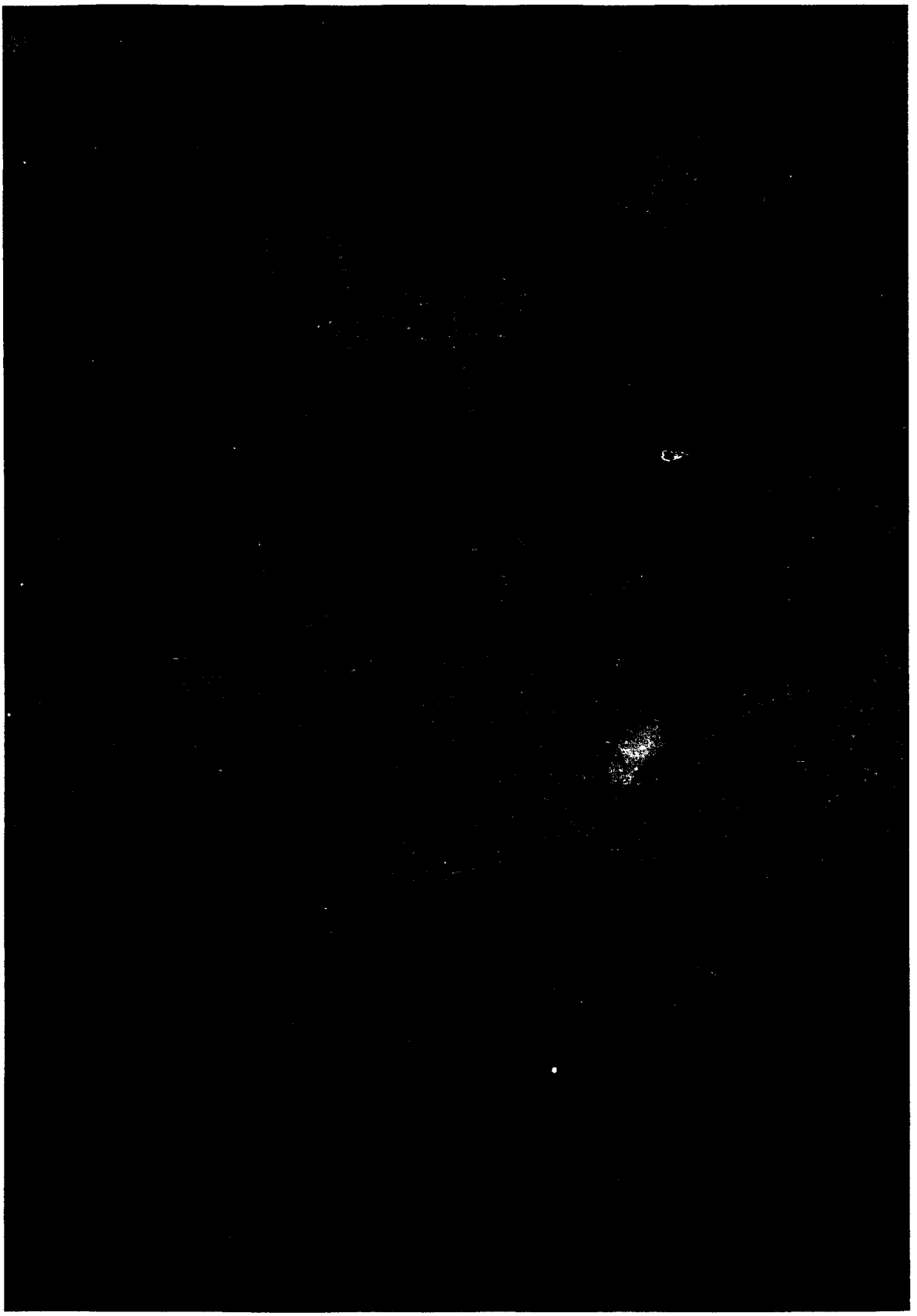

Fig. 4. TA-16-260 outfall, after interim action.

5.0 CONFIRMATORY ACTIVITIES

The objective of confirmatory activities is to demonstrate whether the best management practice implemented was effective at reducing or preventing the migration of contaminants into Cañon de Valle.

The objective of the sampling effort is to evaluate the effectiveness of the pond stabilization and down-drainage dams in reducing the off-site migration of contaminants. One sample will be collected from along the upstream side of each of the eight dams. A geomorphologic survey and professional judgment will be used to insure that only sediments deposited after completion of the interim action are collected and analyzed. The survey will also evaluate the volume of sediment deposited within the eight reaches of the drainage as defined by the dams. Samples will be collected immediately following spring snowmelt runoff; this should insure that an adequate volume of sediment for sampling has accumulated along the dams. If is determined during the survey that a sufficient volume of sediment has not been deposited, the site will be resurveyed and sampled following the summer rainwater runoff season. Samples will be analyzed for high explosives.

6.0 MAINTENANCE AND INSPECTION

An inspection of the Poly-Jute™ matting, straw bales, and sandbags will be conducted once every month and after storm water runoff events (Federal Register 1992, 15-16-619). If it becomes necessary to move or replace these materials ICF Kaiser engineers will take the required actions to restore the site. Inspection and maintenance reports will be placed in the project file.

7.0 WASTE MANAGEMENT

The waste generated from the interim action will be minimal. The Poly-Jute™ matting and the straw bales will eventually deteriorate. If it becomes necessary to replenish the materials, the older material will be taken to the burning ground for flash burning. The sandbags will be disposed of in the same manner.

8.0 ESTIMATED SCHEDULE AND COST TO COMPLETE

Sandbags were placed along the edge of the asphalt Friday, November 17, 1995.

The Poly-Jute™ matting was placed on the pond Friday, December 1, 1995.

Eight straw-bale dams were placed with the Poly-Jute™ matting on Friday, December 1, 1995.

TABLE 8-1

INTERIM ACTION COST

MATERIALS AND LABOR	COST
Poly-Jute™ matting	$ 600
Straw bales	$ 120
Labor for dams and pond cover	$ 6 000
Total	**$ 8 720**

9.0 REFERENCES

Baytos, J. F., August 7, 1985. "Analysis of Soil Samples for Residual Explosives from Drainage Ditches at Sump Effluent Outlets," Los Alamos National Laboratory Memorandum M-1 to A. P. Torres (WX-3) from J. F. Baytos (M-1), Los Alamos, New Mexico. **(Baytos 1985, 15-16-268)**

Baytos, J. F., June 2, 1970. "Analysis of Soil Samples for Residual Explosives from Drainage Ditches at the Sump Effluent Outlets at Group GMX-3 Operating Buildings," Los Alamos Scientific Laboratory Memorandum GMX-3 to E. Wilder from J. F. Baytos, Los Alamos, New Mexico. **(Baytos 1970, 15-16-278)**

Federal Register, September 9,1992. "Final NPDES General Permits for Storm Water Discharges from Construction Sites, Section IV, Storm Water Pollution Prevention Plan, D, 2a," Federal Register, Vol. 57, No. 175. **(Federal Register 1992, 15-16-619)**

King, W., October 23, 1991. "Group M-1 Analytical Laboratory Report," Los Alamos National Laboratory Report, Los Alamos, New Mexico. **(King 1991, 15-16-381)**

King, W., February 7, 1992. "Group M-1 Analytical Laboratory Report," Los Alamos National Laboratory Report, Los Alamos, New Mexico. **(King 1992, 15-16-380)**

LANL (Los Alamos National Laboratory), July 1993. "RFI Work Plan for Operable Unit 1082," Los Alamos National Laboratory Report LA-UR-93-1196, Los Alamos, New Mexico. **(LANL 1993, 1094)**

Los Alamos Scientific Laboratory, August 1972. "Analysis of Soil Samples for Residual Explosives from Drainage Ditches at the Sump Effluent Outlets at Group GMX-3 Operating Buildings," Los Alamos Scientific Laboratory Report No. LA-4925 by J. F. Baytos, Los Alamos, New Mexico. **(LASL 1972, 15-16-275)**

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APPENDIX A SAMPLING DATA

TABLE A-1

HIGH EXPLOSIVES IN THE TA-16-260 DRAINAGE CHANNEL[a,b]

DATE	SAMPLE LOCATION	HMX/RDX [c]	TNT [d]	TOTAL HE [e]
03/11/60	Pond center	8.5	1.3	9.8
03/11/60	Pond center	3.5	1.3	4.8
03/11/60	20 ft below dam	4.3	1.7	6.0
03/11/60	30 ft below dam	3.3	0.7	4.0
03/11/60	100 ft below dam	2.7	0.04	2.7
03/11/60	150 ft below dam	0.5	0.02	0.5
04/29/70	Outfall	7.0	0.0	7.0
04/29/70	Pond center	20.5	3.7	24.2
04/29/70	1 ft below dam	4.8	0.07	4.9
04/29/70	Between dam and cliff	12.9	0.12	13.0
04/29/70	Cliff	3.9	0.10	4.0
11/18/70	10 ft from outfall	3.2	0.0	3.2
11/18/70	Inlet to pond	14.1	0.1	14.5
11/18/70	10 ft above dam	22.1	0.5	22.6
11/18/70	5 ft below dam	14.5	0.2	14.7
11/05/71	10 ft from outfall	2.9	0.0	2.9
11/05/71	Pond inlet	10.8	0.0	10.8
11/05/71	10 ft above dam	25.7	0.0	25.7
11/05/71	10 ft below dam	22.5	0.0	22.5
08/22/73	10 ft from outfall	1.3	0.0	1.3
11/14/74	Outfall	1.7	0.0	1.7
11/14/74	1 ft above dam	17.1	0.1	17.8
11/14/74	50 ft below dam	13.7	0.2	13.9
12/05/75	10 ft from outfall	0.2	0.0	0.2
12/05/75	1 ft above dam	9.2	0.0	9.2
11/19/76	10 ft from outfall	0.2	0.0	0.2
11/19/76	50 ft from outfall	3.0	0.1	3.1
11/19/76	65 ft from outfall	26.7	0.3	27.0
11/19/76	250 ft from outfall	17.3	0.3	17.6
07/18/84	3 ft from outfall	0.3	0.0	0.3
07/18/84	30 ft from outfall	10.4	0.9	11.3
07/18/84	50 ft from outfall	16.7	2.3	19.0
09/12/85	30 ft from outfall	2.0	0.1	2.1
09/12/85	110 ft from outfall	26.6	4.8	31.4
09/12/85	230 ft from outfall	1.7	0.1	1.8

[a] Quantities of explosives are given in weight percent (wt%). Surface samples were taken from the sediment. Most samples were taken along the centerline of the drainage channel. Distances are approximate. The sampling technique and analytical method are described in Baytos 1972, 15-16-275.
[b] Data from Baytos (1970-1985, 15-16-278 to 15-16-268.
[c] Soil SAL HMX = 3 259 ppm (0.32 wt%), RDX = 4 ppm (0.0004 wt%).
[d] Soil SAL TNT = 48.4 ppm (0.004 wt%).

TABLE A-2

HIGH EXPLOSIVES IN THE TA-16-260 DRAINAGE CHANNEL, BARR-KING DATA OF 1991[a,b]

SEDIMENT SAMPLE LOCATION [c]	HMX/ RDX	TNT	TOTAL HE	BARIUM
1 ft from outfall	3.4	0.1	3.5	ND [d]
20 ft from outfall	1.8	1.0	2.8	ND
40 ft from outfall	0.1	<0.1	0.1	ND
45 ft from outfall	2.9	<0.1	2.9	ND
50 ft from outfall, pond centerline	4.9	<0.1	4.9	ND
60 ft from outfall, pond centerline	6.4	0.1	6.4	ND
60 ft from outfall, north edge of pond	0.5	<0.1	0.5	ND
70 ft from outfall, pond centerline	9.1	0.6	9.7	ND
70 ft from outfall, north edge of pond	19.0	2.0	21.0	ND
80 ft from outfall, pond centerline	22.3	3.0	25.3	ND
90 ft from outfall, pond centerline	26.7	2.0	28.7	ND
90 ft from outfall, 12 in. from north edge	7.6	<0.1	7.6	0.85
91 ft from outfall, pond centerline	3.0	<0.1	3.0	0.43
91 ft from outfall, pond centerline, 2 in. deep	7.6	<0.1	7.6	0.53
91 ft from outfall, pond centerline, 8 in. deep	6.1	0.2	6.3	0.51
91 ft from outfall, pond centerline, 13 in. deep	13.5	0.4	13.9	0.46
91 ft from outfall, 8 in. from edge, 13 in. deep	24.8	9.3	34.1	0.33
91 ft from outfall, 12 in. from edge, 13 in. deep	27.8	1.0	28.8	0.67
110 ft from outfall	7.6	0.3	7.9	ND
135 ft from outfall	2.3	<0.1	2.3	0.35
210 ft from outfall	4.4	<0.1	4.4	0.65

[a] King 1991, 15-16-381; King 1992, 15-16-380.
[b] Quantities of explosives and barium are given in weight percent (wt%).
[c] Surface samples were taken from the sediment along the centerline of the drainage channel, unless otherwise specified.
[d] ND = Not detected..

APPENDIX B ANALYTICAL DATA

TABLE B-1

BARIUM CONCENTRATIONS ABOVE SCREENING ACTION LEVELS IN 1995 RFI SAMPLING DATA

SAMPLE NUMBER	CONCENTRATIONS (mg/kg)	SAL[a] (mg/kg)
0316-95-0030	12 700	5 340
0316-95-0031	14 600	
0316-95-0033	19 000	
0316-95-0034	11 100	
0316-95-0035	21 100	
0316-95-0036	26 100	
0316-95-0037	26 900	
0316-95-0017	7 500	
0316-95-0018	12 100	
0316-95-0019	7 750	
0316-95-0022	20 200	

[a] SAL = Screening action level

TABLE B-2

HIGH EXPLOSIVE CONCENTRATIONS IN 1995 RFI SAMPLING DATA

ANALYTE	HMX (mg/kg)	RDX (mg/kg)	TNT (mg/kg)	2,4-DNT (mg/kg)
SAL	3 259	4	48.4	0.65
SAMPLE ID				
0316-95-0026	378	74.8[a]	16.8	ND[c]
0316-95-0027	1 360	898[a]	22.8	0.122
0316-95-0028	4 860[a]	6 830[a]	1 760[a]	0.917[a]
0316-95-0029	4 300[a,b]	ND[c]	90[a,b]	ND[c]
0316-95-0030	7 900[a,b]	4 100[a,b]	100[a,b]	ND[c]
0316-95-0031	6 400[a,b]	4 300[a,b]	180[a,b]	ND[c]
0316-95-0032	32 900[a]	29 600[a]	4 570[a]	2.54[a]
0316-95-0033	8 100[a,b]	5 100[a,b]	240[a,b]	ND[c]
0316-95-0034	10 000[a,b]	5 700[a,b]	ND[c]	ND[c]
0316-95-0035	2 700[b]	2 700[a,b]	ND[c]	ND[c]
0316-95-0036	3 500[a,b]	1 800[a,b]	ND[c]	ND[c]
0316-95-0037	3 200[b]	1 200[a,b]	ND[c]	ND[c]
0316-95-0038	54 700[a]	3 500[a]	106[a]	1.45[a]
0316-95-0039	2 750	1 220[a]	19.8	0.308
0316-95-0040	23 000[a]	137[a]	95.2[a]	0.88[a]
0316-95-0041	5 200[a]	452[a]	19.9	1.13[a]
0316-95-0042	20 300[a]	611[a]	44.3	0.916[a]
0316-95-0043	12 500[a]	302[a]	14.3	0.877[a]
0316-95-2012	5 400[a,b]	4 200[a,b]	190[a,b]	ND[c]

[a] Values above SALs.
[b] DX-16 data.
[c] ND = Not detected.

ATTACHMENT 1 CORRESPONDENCE

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Bob - [illegible] Everett on Wed. Ted

United States Government

Department of Energy

memorandum

Albuquerque Operations Office
Los Alamos Area Office
Los Alamos, New Mexico 87544

DATE:

REPLY TO ATTN OF: LAAO:EP:TJT:1.4.2.6.1.7.1

SUBJECT: Stabilization of Solid Waste Management Unit

TO: J. Jansen, EM/ER, UC-LANL, MS M992

Attached is a letter from Steve Yanicak, New Mexico Environment Department, dated September 8, 1995, in which Mr. Yanicak expresses a concern regarding the potential for release of contaminants from solid waste management unit (SWMU) 16-021(c). Please review the letter and ask your staff to initiate any mitigation measures you believe are appropriate. Everett Trollinger will be available by phone on Wednesday, September 20, 1995, to discuss this matter with your staff. He can be reached on his digital pager at 104-8636.

Please advise me of the actions, if any, that you plan to take.

If you have any questions, please call me at 665-7203.

T J Taylor

Theodore J. Taylor
Program Manager
Environmental Restoration Program

Attachment

cc w/attachment:
D. Griswold, ERD, AL, MS A906
T. Taylor, EP, LAAO
C. Fesmire, EP, LAAO
E. Trollinger, EP, LAAO
K. Zamora, EP, LAAO
E. Merrill, EM-452, HQ
RPF, UC-LANL, MS M707
J. White, ESH-19, MS K498

cc w/o attachment:
J. Vozella, AAMEP, LAAO
W. Spurgeon, EM-452, HQ
T. Baca, EM, UC-LANL, MS J591

Post-It™ brand fax transmittal memo 7671 | # of pages ▸

To Don Hickmott	From Roy Michelotti
Co.	Co. α
Dept.	Phone # 5-7444
Fax # 665-3285	Fax #

from Everett 9/22/95

gire

copy you [illegible]
Copy sent to Jorg
Rec'd at LAAO
9/14/95 11:46 a.m.

State of New Mexico
ENVIRONMENT DEPARTMENT
DOE OVERSIGHT BUREAU
2044 A Galisteo Street
P.O. Box 26110
Santa Fe, New Mexico 87502

GARY E. JOHNSON
GOVERNOR

MARK E. WEIDLER
SECRETARY

EDGAR T. THORNTON, III
DEPUTY SECRETARY

Dan has seen this. He has dealt with it already -K

September 8, 1995

Joseph Vozella, Chief
Environment, Safety, and Health Bra
Department of Energy
Los Alamos Area Office
Los Alamos, NM 87544

Re: Storm water discharges into Cañon de Valle from SWMU 16-021(c)

Dear Mr. Vozella:

On August 29, 1995, 1.52 inches of rainfall in one hour (recorded at the S-site meteorological station) resulted in storm water runoff in most of the major canyon systems at Los Alamos National Laboratory (LANL). Storm water runoff samples were collected by DOE OB personnel from Mortandad, Canada del Buey, Potrillo, Ancho and Water Canyons along State Road 4. On August 30, 1995, New Mexico Environment Department (NMED), Department of Energy Oversight Bureau (DOE OB) personnel conducting field surveys observed that flash flooding had recently occurred in Cañon de Valle. There was evidence (debris piles) at the junction of SWMU 16-021(c) and Cañon de Valle that showed that this tributary may also have experienced high flows of storm water runoff.

SWMU 16-021(c) has been described as by far the most contaminated outfall at S-site with HE contamination ranging up to three orders of magnitude greater than SALs (RFI Work Plan for OU 1082, 1993). Other Constituents Of Concern (COCs) include barium and other metals, uranium, semi-volatile organics and volatile organics.

The RFI Work Plan notes that due to the continuing operation of Outfall 05A-056, field activities will be deferred until the outfall is plugged sometime in 1995 or 1996. The RFI Work Plan does not mention any Best Management Practices (BMPs) for this SWMU and to this date none have been put in place.

The proximity of this SWMU and it's subsequent direct discharge into Cañon de Valle is of immediate concern. The postponement of remediation, noted above, necessitates that BMPs should be put in place and maintained to mitigate the transport of contaminants from

SWMU 16-021 (c) into Cañon de Valle. The RFI work plan notes that rain water from the roadway on the northeast side of TA-16-260 also flows into this drainage. Consideration should be given to the diversion of this runoff away from SWMU 16-021 to reduce mobilization of contaminants and subsequent transfer into Cañon de Valle. Measures must be taken to assure that COCs remain in SWMU 16-021 (c) until remediation is completed.

These concerns are being forwarded to the NMED Surface Water Quality Bureau. If you have any questions please contact Ralph Ford-Schmid at 827-1536.

Sincerely,

Stephen Yanicak

Steve Yanicak,
Point of Contact/LANL,
NMED, DOE OB

cc: John Parker, Program Manager, NMED, DOE OB
Glen Saums, Program Manager, NMED, SWQB
Steve Rae, UC-LANL/ESH-18, MS K490
Ivan Trujillo, DOE/LAAO AIP POC, MS A316

Los Alamos National Laboratory

ENVIRONMENTAL RESTORATION

University of California
Environmental Restoration, MS M992
Los Alamos, New Mexico 87545
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FAX 505-665-4747

U. S. Department of Energy
Los Alamos Area Office, MS A316
Los Alamos, New Mexico 87544
505-665-7203
FAX 505-665-4504

Date: October 11, 1995
Refer to: EM/ER:95-562

Mr. Steve Yanicak
New Mexico Environment Department
DOE-Oversight Bureau
P.O. Box 1663, MS J993
Los Alamos, NM 87545

SUBJECT: STABILIZATION OF SOLID WASTE MANAGEMENT UNIT (SWMU) 16-021(c)

Dear Steve:

In a letter to the U.S. Department of Energy (DOE) Office dated September 8, 1995, you expressed concern that there was the potential for release of contaminants from SWMU 16-021(c). The Los Alamos National Laboratory's (Laboratory's) Environmental Restoration (ER) Project shares many of the New Mexico Environment Department's (NMED's) concerns.

The Laboratory staff visited SWMU 16-021(c) with NMED DOE Oversight Bureau personnel on September 29, 1995. NMED personnel approved of the existing best-management practices (BMP), which consist of a sandbag run-on diversion that was implemented in June 1995 by Field Unit 3 personnel. NMED DOE Oversight Bureau also suggested additional BMPs such as installation of hay-bale check dams, jute matting, and additional run-on control. Field Unit 3 personnel agree that the suggested BMPs suggested would further decrease potential impacts to human health and the environment from transport of contaminants from SWMU 16-021(c). Field Unit 3 personnel will immediately begin implementing the suggested BMPs as interim measures. The ER Project will coordinate these activities with the Laboratory's Water Quality and Hydrology Group. Field Unit 3 will continue to inform DOE and NMED of their progress.

Environmental Restoration

If you have any questions, please call Roy Michelotti at (505) 667-5444, or Everett Trollinger at (505) 667-5801.

Sincerely,

Jorg Jansen, Program Manager
Environmental Restoration

Sincerely,

Theodore J. Taylor, Program Manager
Los Alamos Area Office

JJ/TT/bp

Cy: T. Baca, EM, MS J591
B. Driscoll, EPA
B. Garcia, NMED-HRMB
T. Glatzmaier, DDEES/ER, MS M992
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T. Taylor, LAAO, MS A316
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J. Vozella, LAAO, MS A316
N. Weber, Bureau Chief, NMED, DOE-OB
J. White, ESH-19, MS K498
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RPF, MS M707

State of New Mexico
ENVIRONMENT DEPARTMENT
DOE OVERSIGHT BUREAU
P.O. Box 1663, MS/J-993
Los Alamos, New Mexico 87545

GARY E. JOHNSON
GOVERNOR

MARK E. WEIDLER
SECRETARY

EDGAR T. THORNTON, III
DEPUTY SECRETARY

October 11, 1995

Ivan Trujillo
Department of Energy
Los Alamos Area Office
MS-A316
Los Alamos, NM 87545

Re: Storm Water Pollution Prevention Best Management Practices (BMPs) at the TA-16 05A056 H.E. outfall SWMU 16-021(c)

Dear Mr. Trujillo:

On Friday September, 29th NMED DOE OB staff visited the TA-16 021(c) High Explosives SWMU in conjunction with LANL ER staff in order to discuss Storm Water Pollution Prevention BMPs associated with this site. At present, the date of remediation for this site is expected to be sometime in 1997. Because of this delay in remediation it is the concern of the NMED DOE OB that contaminants from this site will be transported down the arroyo into Canon de Valle unless Storm Water BMPs are implemented. The following recommendations were expressed to ER staff at this site visit:

* Existing BMP measures currently in place (sand bags and diversions) used to reduce the flow of water over the most contaminated portion of the SWMU should be maintained.

* In addition to existing BMPs the following recommended BMPs should be considered:

  1) A series of check dams constructed of hay bales and silt fencing should be erected along intervals down canyon beginning at the earthen dam below the most highly contaminated area and continuing down the arroyo to near the junction with Canon de Valle. It is recommended that at least four such check dams be installed.

  2) In addition to the check dams it is recommended that a "Jute" matting also be installed over the exposed soil in the arroyo between each of the check dams. This matting would minimize mobilization of contaminated soil particles from the impact of rain drops and help trap sediment.

  3) Storm Water runoff from the upgradient parking lot should be diverted to prevent entry onto the SWMU site.

DOE OB staff feel that the implementation of these BMPs would significantly reduce contaminant migration due to Storm Water runoff into Canon de Valle.

If you have any further questions please do not hesitate to call Harvey Decker at 672-0459 to discuss this matter.

Sincerely,

Stephen Yanicak

Steve Yanicak
NMED/DOE/OB/POC

cc: Steve Rae, Group Leader, ES&H-18, MS-K497
Neil Weber, Chief, NMED, DOE OB
Steve Yanicak, NMED/AIP/POC, MS-J993
Jim Piatt, Chief, NMED, SWQB
Benito Garcia, Chief, NMED, HRMB
Brad Martin, LANL, ER/FPL/FU3, MS-E525
Everett Trollinger, DOE, FPC/FU3, MS-A316
Roy Michelotti, LANL, ER, MS-E525
Don Hickmott, LANL, ER, MS-D462
Harvey Decker, NMED, DOE OB, LANL

SY:hld

ATTACHMENT 2 FACT SHEET

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Los Alamos National Laboratory
Environmental Restoration Project
PRS Fact Sheet for Interim Action

Description:

PRS 16-021(c) is the NPDES permitted outfall (EPA 05A056) from the high explosives (HE) machining facility at S-Site, TA-16-260. Large quantities of explosives are processed in this building. Machine turnings are routed to the sumps as waste. Each sump flows into a trunk line that discharges to the outfall. The drainage channel from the outfall is contaminated with explosive waste, including barium nitrate, the primary ingredient in the explosive baratol. The drainage channel from the outfall flows about 600 ft to the bottom of Cañon de Valle, a drop in elevation of 80 ft. A small pond approximately 55 ft long is formed by a rock dam located 93 ft from the outfall. Stressed vegetation is present in the drainage channel. Rainwater from the roadway on the northeast side of TA-16-260 also flows into the pond.

Contaminants:

Existing data for the TA-16-260 outfall are extensive and show widespread HE contamination extending from the discharge point to Cañon de Valle (RFI Work Plan for OU 1082, subsection 5.3.1.1). Sediment samples were taken from the channel from 1960 through 1991. These studies analyzed soil for a distance of several hundred feet from the outfall. The highest concentrations of HMX-RDX and TNT were found in the pond. Concentrations of total HE in the pond have remained uniformly high with a maximum of 9.8 wt % in 1960 to 34.1 wt% in 1991 (RFI Work Plan for OU 1082, subsection 5.3.1.1). In 1995 RFI sampling was conducted at the TA-16-260 outfall. Surface soil samples were collected and indicated barium levels greater than the SAL of 5 340 ppm. Eleven samples were collected with barium concentrations ranging from 7 500 ppm to 26 900 ppm. Data on water and sediment samples from Cañon de Valle suggest that both RDX and barium have been mobilized from PRS 16-021(c) to the canyon. Other constituents of concern include other metals, uranium, semivolatile organics, and volatile organics.

Interim Action:

As requested by the State of New Mexico, Field Unit 3 is initiating an interim action to stabilize the soil associated with PRS 16-021(c) and prevent further release of contaminants. In coordination with the Water Quality Group at LANL, the interim action, also known as a best management practice to be implemented will consist of three actions.

- The volume of surface flow through the drainage channel will be reduced by diverting storm water runoff. Johnson Controls workers will place sandbags along the eastern edge of the asphalt apron to divert storm water runoff from the area into adjacent drainages (see attached figure).

- ICF Kaiser Engineers will cover the existing settling pond with Poly-Jute™ matting to reduce the potential for rainfall mobilized sediments within the pond.

- The capacity for sediment deposition within the drainage will be enhanced by installing eight straw-bale dams. ICF Kaiser Engineers will construct these dams within the steeper sections of the channel between the existing rock dam and cliff face where the drainage drops into Cañon de Valle.

The dams will consist of loose straw, straw bales, and Poly-Jute™ matting. The straw bales will be partially wrapped in Poly-Jute™ to maintain the bale structure. A section of Poly-Jute™ mat the width of the drainage channel and 15 ft long will be placed in the drainage at each dam location. Loose straw will be laid down over the mat in the location of the dam to ensure a seal between the straw bales and the bottom of the drainage channel. The mat will be placed so that the upgradient edge of the mat is at or above the specified dam location. Straw bales will then be placed end-to-end over the loose straw across the entire width of the drainage channel at the specified dam location. The downgradient portion of Poly-Jute™ mat will then be wrapped over the straw bales. Any excess Poly-Jute™ mat will lay in the bottom of the drainage channel upgradient of the dam,

secured in place with rocks. The entire structure will be supported with rocks and a log on the downgradient side of the dam. Wire will anchor the log at both ends to nearby trees.
The proposed best management practice will reduce mobilization and subsequent transfer of contaminants into Cañon de Valle.

PRS 16-021(c) is HSWA listed and has undergone a NEPA review for categorical exclusion (B1.3).

Estimated Cost:

Sandbags with labor	$2 000
Poly-Jute™ matting	$600
Straw bales	$120
Labor	$6 000
Total	$8 720

Schedule:

Sand bags were placed along the edge of the asphalt on Friday, November 17, 1995.

The Poly-Jute™ matting will be placed on the pond Friday, December 8, 1995.

Eight straw-bale dams will be placed with the Poly-Jute™ matting on Friday, December 8, 1995.

State of New Mexico
ENVIRONMENT DEPARTMENT
Hazardous & Radioactive Materials Bureau
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(505) 827-1557
Fax (505) 827-1544

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EDGAR T. THORNTON, III
DEPUTY SECRETARY

1.4.2.6.1.7.2

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

4/3/96

Mr. Joseph C. Vozella, Chief
Environment, Safety, and Health Branch
Los Alamos Area Office
Department of Energy
Los Alamos, New Mexico 87544

RE:Corrective Measure Study for SWMU 16-021(c)
Los Alamos National Laboratory (NM0890010515)

Dear Mr. Vozella:

The New Mexico Environment Department (NMED)-Hazardous and Radioactive Materials Bureau (HRMB) and the U.S. Environmental Protection Agency (EPA), recently reviewed Los Alamos National Laboratory's (LANL) Interim Action Report dated February 12, 1996, for Solid Waste Management Unit (SWMU) 16-021(c). SWMU 16-021(c) is an area of significant high-explosive contamination that discharges into Cañon de Valle.

During a site visit by NMED-HRMB/EPA in October 1995, LANL staff indicated that SWMU 16-021(c) was the possible source of high explosives found in nearby springs. Based upon a review of the above- mentioned report and previous documentation of extensive contamination, NMED-HRMB/EPA recommends that a Corrective Measure Study (CMS) be conducted for this site and that a CMS Workplan for this site be submitted by LANL by October 1, 1996.

Should you have any questions concerning this letter, please contact either Mr. Robert Dinwiddie at 505/827-1561 or Ms. Teri Davis at 505/827-1558 concerning permitting or technical issues, respectively.

Sincerely,

Barbara Hoditschek

Barbara Hoditschek,
RCRA Permitting Program Manager

enclosures

cc: Benito Garcia, Bureau Chief, NMED-HRMB
Ronald Kern, Technical Compliance Program Manager, NMED-HRMB
David Noloigh, Chief, US EPA Region 6

FACSIMILE TRANSMITTAL SHEET

UNCLASSIFIED

Don

U.S. DEPARTMENT OF ENERGY

LOS ALAMOS AREA OFFICE

Office of Environment and Projects

FAX Number: (505) 665-4504 (Unclassified)

DATE:	9/18/96	**# PAGES TO FOLLOW:**	2
TO:	Roy	**FROM:**	Joseph H. Mose
FAX NO:	5-4632	**PHONE NO:**	(505) 667-5808
PHONE NO:	5-7440		

REMARKS:

We are checking to see if this letter was Received by LAAO in April. I will also Call Stu & ask if he has the return receipt.

Please Draft a letter to NMED describing actions that are planned this year to support a CMS Workplan that will be provided by ....?

Also in this letter state that the NMED Memo was apparently not received until Sept. 17, 1996.

Thanks, Joe

University of California
Environmental Restoration Project, MS M992
Los Alamos, New Mexico 87545
505-667-0808/FAX 505-665-4747

U. S. Department of Energy
Los Alamos Area Office, MS A316
Environmental Restoration Program
Los Alamos, New Mexico 87544
505-667-7203/FAX 505-665-4504

Date: September 23, 1996
Refer to: EM/ER:96-502

Mr. Benito Garcia
NMED-HRMB
P.O. Box 26110
Santa Fe, NM 87502

SUBJECT: SUBMITTAL OF THE RFI REPORT FOR PRSs 16-003(k) AND 16-021(c) IN TA-16

Dear Mr. Garcia:

Enclosed are two copies of the Los Alamos National Laboratory's Resource Conservation and Recovery Act Facility Investigation (RFI) Report concerning Potential Release Sites 16-003(k) and 16-021(c) in Technical Area 16. One report is for your information and the second should go to your technical branch. The report documents the field work performed as detailed in the approved RFI Work Plan for Operable Unit 1082 and the results of the sampling.

Please ask your office to contact Roy Micheloto at (505) 665-7444 or Joe Mose at (505) 667-5808 if you have any questions.

Sincerely,

Jorg Jansen, Program Manager
LANL/ER Project

Sincerely,

Theodore J. Taylor, Program Manager
DOE/LAAO

JJ/TT/bp

Enclosures: 1) RFI Report for PRSs in TA-16
2) Certification

OCT 15 1996

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RFI Report for Potential Release Sites in TA-16

16-003(k)
16-021(c)

Field Unit 3

Environmental Restoration Project

September 1996

A Department of Energy
Environmental Cleanup Program

Los Alamos
NATIONAL LABORATORY

LA-UR-96-3191

EXECUTIVE SUMMARY

This Resource Conservation and Recovery Act (RCRA) facility investigation (RFI) report discusses Phase I investigations, results, and recommendations for two potential release sites (PRSs), 16-021(c) and 16-003(k), at Los Alamos National Laboratory (LANL) Technical Area (TA) 16. TA-16 has been the site of high explosives (HE) research and development programs since 1944. PRSs 16-021(c) and 16-003(k) are the HE sumps, drain lines, and outfall associated with TA-16-260, an HE-machining building that has been in operation since 1951. PRS 16-003(k) includes the HE sumps, the vitrified-clay pipe connected to the sumps, the concrete troughs that feed the single outfall, and contaminated soil surrounding those structures. PRS 16-021(c) includes all contaminated soils and tuff downstream from the outfall. These two PRSs are combined in this RFI report because they are both associated with TA-16-260, because they contain similar constituents, and because any cleanup of the two PRSs will be coordinated to save costs and time.

The RFI work plan for Operable Unit (OU) 1082 (LANL 1993, 1094) was approved by the Environmental Protection Agency (EPA) Region 6 in December 1994 (Taylor 1995, 1357). The approval letter required that RFI reports for these two PRSs be completed by September 30, 1996. Only a subset of the sampling prescribed for PRS 16-003(k) was completed due to funding constraints and hazards associated with drilling in HE-contaminated areas. This deviation from the approved work plan was documented in a letter to EPA dated May 24, 1995 (Jansen and Taylor 1995, 15-16-627).

Phase I sampling for PRSs 16-021(c) and 16-003(k) was completed during fiscal year (FY) 1995. Surface and near-surface samples were collected. Analyses were performed for HE, inorganics, volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), and uranium. Existing data suggested that PRS 16-021(c) was highly contaminated with HE and barium, so the objective of the Phase I sampling at that PRS was to determine the lateral extent of contamination in anticipation of a voluntary corrective action (VCA) cleanup. The objective of Phase I sampling at PRS 16-003(k) was to determine whether a release had occurred beneath the HE sumps and troughs that presented a risk to human health and the environment.

The following constituents were found above screening action levels (SALs) at PRS 16-021(c): cyclotrimethylenetrinitramine (RDX), cyclotetramethylene-tetranitamine (HMX), 2,4,6-trinitrotoluene (TNT), 2,4-dinitrotoluene (DNT), 1,3,5-trinitrobenzene (TNB), anthracene, bis(2-ethylhexyl)phthalate, and barium. Some constituents, such as RDX, were present at levels more than four orders of magnitude greater than SALs. Detection limits for HE and other

organic constituents were high due to the large amounts of HE in many samples and the resultant large numbers of dilutions required for chemical analyses. Non-RFI surface and groundwater sampling reveal that HE constituents and barium are present at levels greater than maximum contaminant levels (MCLs) in springs and surface waters potentially associated with PRS 16-021(c). Together, these data imply that a corrective measures study (CMS) and corrective measures implementation (CMI) are required for this unit.

The PRSs discussed in this RFI report are listed in Table ES-1. PRS 16-003(k) is recommended for voluntary corrective action (VCA) to be performed in conjunction with CMS/CMI at PRS 16-021(c). Phase I data indicated that minor releases of constituents to the environment have occurred at the sumps, but the identified releases are not at levels greater than SALs. Final soil characterization, drain line and trough removal, and, if necessary, soil cleanup of PRS 16-003(k) will occur in association with the CMI at PRS 16-021(c). Accelerated Phase II sampling is recommended for PRS 16-021(c) in preparation for a CMS. A CMS plan will be completed during fiscal year 1997.

Although radionuclides are regulated by the Department of Energy (DOE) and not under RCRA, it is more efficient and cost-effective to investigate all types of potential contaminants during a single site characterization. Therefore, it is LANL and DOE policy to address radiochemical concerns in this report.

TABLE ES-1

SUMMARY OF PROPOSED ACTIONS

PRS[a] NUMBER.	HSWA[b]	RADIONUCLIDE COMPONENT[c]	PROPOSED ACTION			SECTION NO.
			NFA[d] RITERION	FURTHER ACTION	RATIONALE	
16-003(k)	X		N/A[e]	VCA	Characterize soils, remove fixtures, and cleanup soil with CMI[f] at 16-021(c)	5.1.10
16-021(c)	X	X	N/A	Further Investigation (10/96) CMS[g] (9/97)	Contamination not bounded Highly contaminated soils	5.2.10

[a] PRS = Potential release site.
[b] An X in this column indicates that the site is listed on the Hazardous and Solid Waste Amendments (HSWA) Module (Module VIII) of the Laboratory's RCRA operating permit.
[c] An X in this column indicates that the site has a known radionuclide component.
[d] NFA = No further action.
[e] N/A = Not applicable.
[f] CMI = Corrective Measures Implementation.
[g] CMS = Corrective measures study.

SUMMARY OF PRSs

PRS 16-003(k) consists of 13 HE sumps and drain lines associated with TA-16-260. The sump outlets to the outfall are currently scheduled to be plugged during fall 1996. After the sumps are plugged they will continue to receive large amounts of HE-bearing process water, which will be collected in vacuum trucks and transported to the TA-16 Burning Ground rather than be discharged at the outfall. Barium, chromium, cobalt, copper, lead, nickel, silver, uranium and zinc were found above LANL upper tolerance limits (UTLs). The HE 4-amino-dinitrotoluene (4-ADNT), HMX, TNB, and TNT were found above analytical detection limits. These analytes were found in soils near the sumps and troughs. Small amounts of VOCs and SVOCs were found. No analytes above SALs were found. A multiple constituent evaluation (MCE) suggests that the cumulative risk from both carcinogens and noncarcinogens is small. However, potential releases from this unit have not been fully characterized. Thus, PRS 16-003(k) is recommended for further characterization and VCA in conjunction with CMS/CMI activities at PRS 16-021(c). The drain lines and troughs are currently scheduled to be deactivated during fall 1996. LANL will remove those drain lines and troughs, and complete additional characterization sampling in the locations of these removed structures. The active portions of PRS 16-003(k) beneath the sumps will be characterized as part of the VCA. Details of these activities will be provided in a VCA plan that will be submitted concurrently with the CMS report. VCA activities will occur concurrently with CMI activities.

PRS 16-021(c) is the outfall associated with the 13 HE sumps on the northeast side of TA-16-260. The outfall will no longer receive HE-bearing wastewater following plugging of the sumps. Barium, chromium, copper, lead, nickel, silver, uranium, vanadium, and zinc were found in soils above LANL UTLs. Barium was found well above SALs throughout the PRS. The HE 2-amino-dinitrotoluene (2-ADNT), 4-ADNT, DNB, DNT, HMX, nitrobenzene (NB), 3-nitrotoluene (NT), RDX, TNB, and TNT were all found at this PRS. DNT, HMX, RDX, TNB, and TNT were all found at levels in soils well above SALs for a distance of 600 ft from the outfall. SVOCs and VOCs were detected above analytical detection limits - including anthracene and bis(2-ethylhexyl)phthalate at levels greater than SALs. Although no formal risk assessment was performed, risks are estimated to be in the range of 10^{-2} to 10^{-3} for carcinogens and a hazard index greater than 1 based under comparison with EPA Region IX calculations made under a generic industrial exposure scenario. In addition, HE levels in the PRS represent an acute (explosive) hazard due to HE levels greater than five weight percent. Nearby springs and surface waters are contaminated at levels greater than background and MCLs, potentially due

to contaminants derived from PRS 16-021(c). Several best-management practices (BMPs), including hay bale dams, sandbag barriers, and geotextile matting in the highly-contaminated zone, have been implemented at this PRS to minimize run-on and runoff.

A Phase II sampling plan is proposed to: 1) determine the extent of contamination requiring remediation, 2) investigate the hydrologic connection between the PRS and contaminated surface waters and groundwaters, and 3) examine the potential for off-site migration of contaminants from the PRS. This Phase II sampling and analysis plan is designed to support the CMS plan for this PRS. The CMS plan is currently scheduled for delivery to the New Mexico Environment Department in September 1997.

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1.0 INTRODUCTION

This report presents the results of the Phase I Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) for two potential release sites (PRSs) associated with Technical Area (TA) 16 at Los Alamos National Laboratory (LANL). The two PRSs are the outfall and sumps from a high explosives (HE) machining building, TA-16-260. This report describes the sampling conducted during Phase I, examines the analytical results, and proposes future action for the PRSs.

1.1 General Site History

TA-16 is located in the southwest corner of the Laboratory (Fig. 1.1-1 and Fig. 1.1-2). It contains 2 410 acres or 3.8 square miles. The land is a portion of that acquired by the Department of Army for the Manhattan Project in 1943. It was used prehistorically by the ancestral Indians of the Pajarito Plateau and prior to World War II for farming and a sawmill operation. TA-16 is bordered by Bandelier National Monument along State Road 4 to the south and the Santa Fe National Forest along State Road 501 to the west. To the north and east, it is bordered by TAs 8, 9, 14, 15, and 49. TA-16 is fenced and posted along State Road 4. Water Canyon, a 200-ft-deep ravine with steep walls, separates State Road 4 from active sites at TA-16. Cañon de Valle forms the northern border of TA-16. Security fences surround the production facilities.

TA-16 was established to develop explosive formulations, cast and machine explosive charges, and assemble and test explosive components for the US nuclear weapons program. Almost all of the work was conducted in support of the development, testing, and production of explosive charges for the implosion method. Present day use of this site is essentially unchanged, although facilities have been upgraded and expanded as explosive and manufacturing technologies advanced.

TA-16-260 is located on the north side of TA-16. The structure was originally built in 1951, with minor modifications to the structure made later. It is an HE machining facility that processes large quantities of explosives. Machine turnings and HE washwater are routed to the 13 sumps as waste. The drainage channel from the outfall is contaminated with high-explosive waste and barium. The outfall is currently scheduled to be deactivated; however, it is still permitted as Environmental Protection Agency (EPA) 05A056. The sumps, drain lines, and troughs have been designated PRS 16-003(k) and the outfall as PRS 16-021(c).

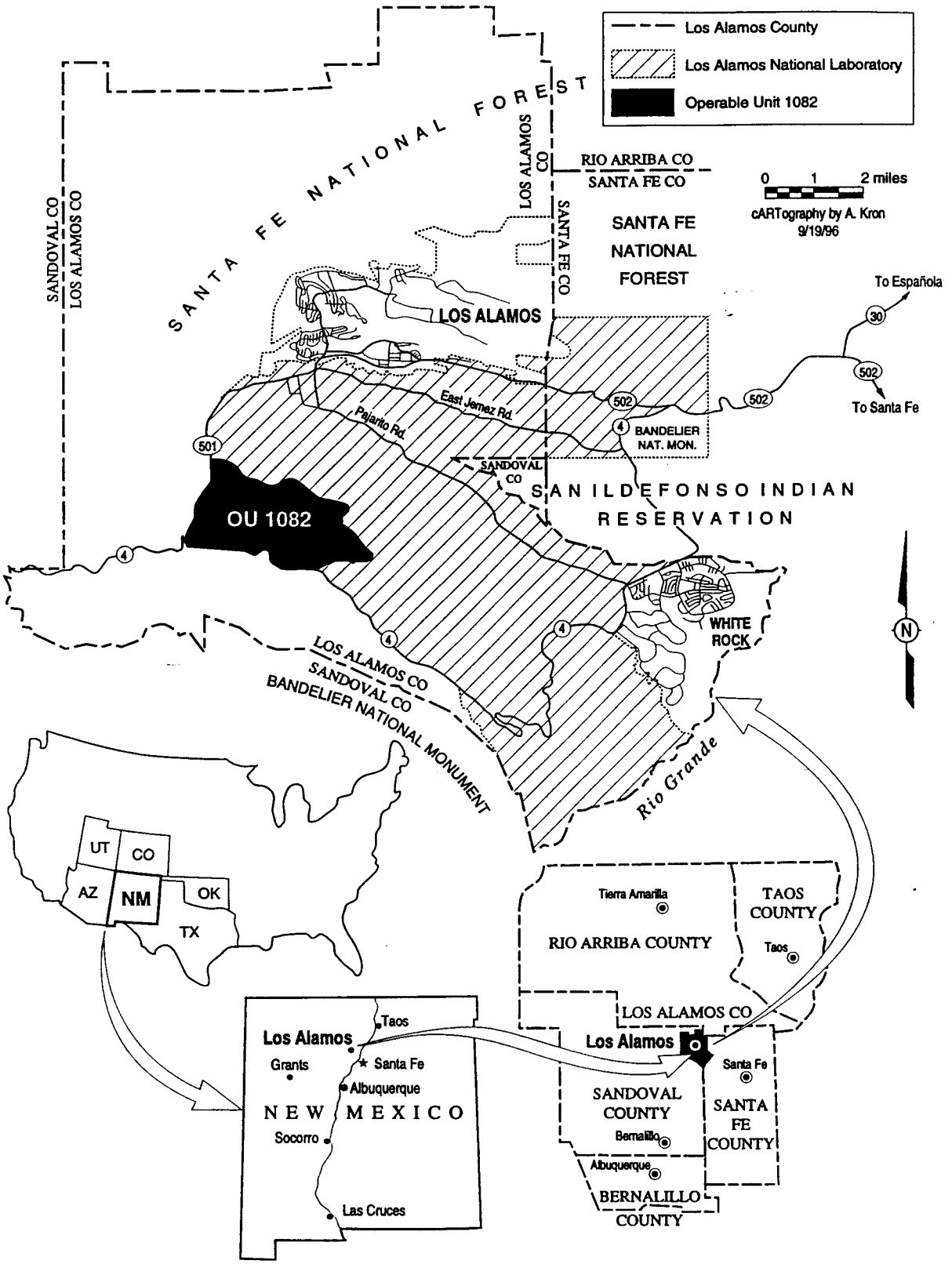

Fig. 1.1-1. Location of Operable Unit 1082.

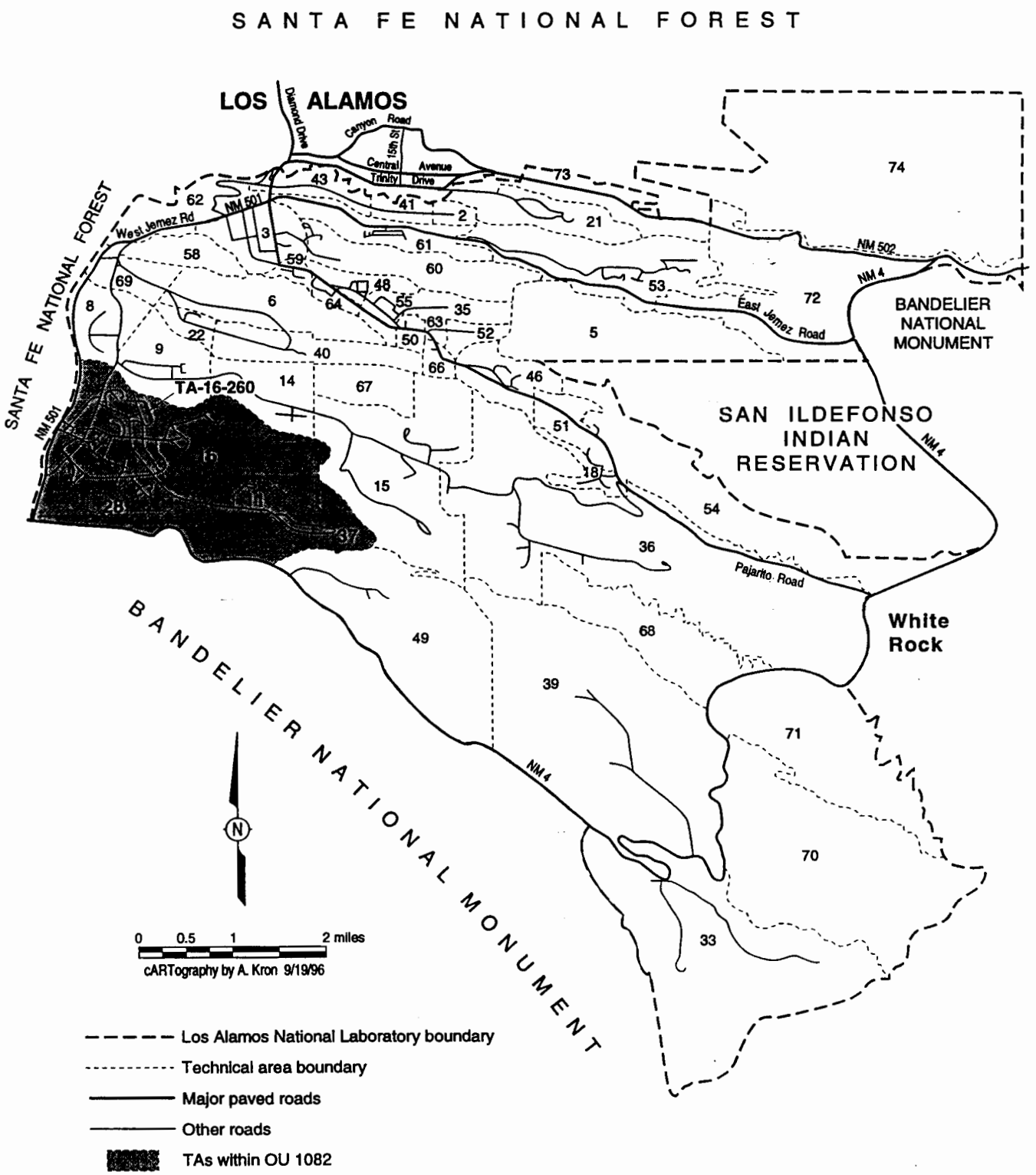

Fig. 1.1-2. Location of Operable Unit 1082 with respect to Laboratory technical areas and surrounding landholdings. Building TA-16-260 within TA-16 is also shown.

Chemicals of potential concern (COPCs) at this site include various types of HE, HE impurities and degradation products, uranium, metals (especially barium), volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), and cyanide.

1.2 RFI Overview

The sampling plans for the PRSs discussed in this document are contained in subsection 5.3 of the RFI Work Plan for Operable Unit (OU) 1082 (LANL 1993 1094). This work plan was submitted to the EPA Region 6 in July 1993. A notice of deficiency (NOD) was received in July 1994. LANL's response was submitted to the Los Alamos Area Office of the Department of Energy (DOE) in August 1994. EPA' s approval of the work plan with modifications was received during December 1994 (Taylor 1995, 1357)

The technical approach of the work plan included phased sampling to locate the sources and types of contamination associated with LANL activities. Contaminants detected during Phase I reconnaissance sampling may be subject to subsequent sampling to ensure that contamination is investigated in compliance with the Hazardous and Solid Waste Amendments (HSWA) Module VIII of the LANL Hazardous Waste facility permit (EPA 1990, 0306).

The conceptual model for this site is referenced in subsection 4.3 of the RFI work plan for Operable Unit 1082 (LANL 1993, 1094). The primary exposure routes for continued industrial operations include ingestion and inhalation, dermal contact, external radiation, and potential HE detonation. Further work at these PRSs includes: 1) Phase II sampling followed by the corrective measures study (CMS)/corrective measures implementation(CMI) process, and 2) further characterization associated with voluntary corrective action (VCA).

1.3 Field Activities

1.3.1 Sample Collection Activities

The fieldwork for the PRSs in this report began in June 1995 and ended in October 1995. Sampling was limited to Fridays due to safety requirements dictated by the operating group. Sampling was completed by ICF Kaiser Engineers. All applicable LANL Environmental Restoration (ER) standard operating procedures (SOPs) were followed, unless otherwise noted in Chapter 5 of this document.

Field screening for HE by spot test, volatiles by photoionization detector (PID), and radionuclides by hand-held sodium-iodide (NaI_2) detector occurred at both PRSs. The purpose of field screening was to bias core samples to locations with the highest contamination at

PRS 16-003(k) and to aid in bounding extent of contamination at PRS 16-021(c). Screening was also needed to ensure compliance with shipping requirements for explosive materials. HE spot test results were particularly important for biasing laboratory sampling locations and to support bounding of the extent of contamination.

PRS 16-003(k) sampling consisted of remote-drilled vertical boreholes adjacent to the sumps and drainage troughs that constitute this PRS. PRS 16-021(c) sampling consisted of surface and near-surface sampling using spade and scoop and hand-auger methods. Each sample was photographed and all sampling data were loaded into a field 4-D database that was later uploaded into the facility for information management and display (FIMAD).

Land surveys were conducted between January and March 1995 and June 1996. All surface samples were taken to an approximate depth of 6 in. within a diameter of 6–8 in. VOC samples were taken from a depth of greater than 6 in. but less than 6 ft. Soil was collected from each sampling location using dedicated nonsparking aluminum sampling implements. Augered samples were collected with a remote drill rig (SIMPCO™) operated from a distance of greater than 30 ft with all operators shielded behind a bullet-proof polycarbonate shield. Wet drilling was required to comply with operational health and safety requirements. These sampling safety precautions are required in areas containing potentially-explosive levels of HE.

1.3.2 Field Quality Assessment Activities

Field quality assessment (QA) samples, in the form of collocated and performance evaluation (PE) samples, were collected as specified and defined in the site-specific quality assurance/ quality control (QA/QC) plan for the fiscal year (FY) 95 TA-16 field campaign (ICF-Kaiser 1995, 15-16-628). Collocated surface samples, designated as field duplicates in the RFI work plan, were established less than 1 ft north of their respective RFI-mandated sample locations. Split subsurface samples were collected from 1–2 ft intervals of core.

The PE samples were collected to check for contamination that may have been introduced from ambient conditions or improper handling procedures, to evaluate matrix effects on analytical laboratory recovery of inorganics and radioactive constituents, and to evaluate the overall process of sample handling and analysis. Because most of the PE samples were submitted to support the entire FY95 TA-16 field campaign, a detailed discussion of these samples is provided in the RFI report for the other 35 PRSs sampled in FY95. This report will be submitted by October 31, 1996. As described in that report, no problems were noted with the PE samples.

1.3.3 Deviations from the RFI Work Plan

Three deviations from the RFI work plan and its NOD occurred:

1) At PRS 16-003(k) two vertical boreholes were collected at each sampled sump rather than the angled borehole proscribed in the work plan NOD. This change was necessitated by HE safety concerns promulgated by the LANL operating group. The operating group requires all drilling in HE areas to be completed wet, and it was deemed impossible to maintain a wet borehole using angled drilling. Two vertical boreholes were estimated to be as effective at determining whether a large plume of HE existed beneath a sump as a single angled borehole. A large plume of HE would likely extend beyond the borders of an HE sump in one or more directions, and not be confined to the soils directly beneath the sump structure.

2) At PRS 16-003(k) only two of the five sumps and two of the five trough locations that were planned to be characterized according the work plan and its NOD were sampled during FY95. It was believed that partial implementation of the sampling plan would adequately determine whether a major release from this unit had occurred. In addition, the full sampling plan could not be completed within the budget for fiscal year 1995. This deviation from the work plan was discussed with representatives of EPA Region 6 during spring 1995, and the decision to complete only this portion of the Phase I RFI sampling was communicated to EPA Region 6 in a letter dated May 24, 1995 (Jansen and Taylor 1995, 15-16-627). Cores were screened on 12-in. intervals rather than 6-in. intervals in order to provide enough material for analysis.

3) Four waste-characterization samples , which were not included in the work plan, from two locations were collected in anticipation of soil removal and treatment. These samples were analyzed for toxicity characteristic leaching procedure (TCLP) metals and organics and for herbicides and pesticides.

2.0 ENVIRONMENTAL SETTING

The environmental setting of the Laboratory is described in Subsection 2.4 of the Installation Work Plan (IWP) for Environmental Restoration (LANL 1995, 1164). A discussion of the environmental setting, including climate, geology, hydrology, and a conceptual hydrogeologic model for the area and surroundings, is presented in Chapter 3 of the work plan for OU 1082 (LANL 1993, 1094). A summary of that and new data collected since 1993 are presented in the following sections.

2.1 Climate

Los Alamos County has a semiarid, temperate, mountain climate. Summers are generally sunny with moderate, warm days and cool nights. High altitude, light winds, clear skies, and dry atmosphere allow mean summer temperatures to range from 60° F to 68° F at TA-16. Winter mean temperatures typically range from 30° F to 37° F. The average annual rainfall in the area of TA-16 is estimated to range from 18 to 20 in. (Bowen 1990, 0333). Of this total, 40% occurs as brief, intense thunderstorms during July and August.

2.2 Geology

2.2.1 Geologic Setting

A detailed discussion of the geology of the entire Los Alamos area can be found in Subsection 2.5.1 of the IWP (LANL 1995, 1164). The geology of TA-16 is described in Subsection 3.4 of the work plan (LANL 1993, 1094). However, significant additional information on the geology of TA-16 has become available during the last three years. These new data are described below.

The operations area at TA-16 is bounded on the south by Water Canyon and on the north by Cañon de Valle. Cañon de Valle is a tributary to Water Canyon; they join at the east end of TA-16 approximately 3 miles downstream from the drainage for PRS 16-021(c), which is located 600 ft south of Cañon de Valle. Water Canyon drains into the Rio Grande approximately 7 miles east of the easternmost boundary of TA-16.

Operational areas at TA-16 are located on the mesa tops, composed of Unit 4 (QBT-4) of the Tshirege Member of the Bandelier Tuff. Unit 3 (QBT-3) of the Tshirege Member of the Bandelier Tuff crops out on the mesa tops at the east end of TA-16 and in the bottoms and walls of Cañon de Valle and Water Canyon. Correlation of recent mapping to the east of PRS 16-021(c) at Material Disposal Area (MDA)-P with the recently-released bedrock geologic map of Rogers (Rogers 1995, 1353) suggests that mesa top portions of PRS 16-021(c) are underlain by approximately 80—110 ft of Unit 4 of the Tshirege Member of the Bandelier Tuff.

At MDA-P, QBT 4 is a lithologically complex unit consisting of in ascending order: 1) a poorly indurated, white to light-gray, nonwelded ignimbrite, 2) an indurated light tan, nonwelded, cliff-forming tuff overlain by a broad bench, 3) a varicolored, nonwelded cliff-forming tuff with devitrified base and a 10-ft thick glassy upper part, 4) a crystal-rich surge bed up to 1 ft thick, and 5) a hard, densely-welded tuff that forms the caprock for the mesa (Broxton et al. 1996, 1305). The latter subunit correlates with Unit QBT_f and the first 3 units correlate with Unit QBT_e of Rogers (Rogers 1995, 1353). The crystal-rich surge bed was mapped by Rogers as the boundary between her units QBT_e and QBT_f. This high-permeability sandy parting may represent a possible perched zone - provided it also overlies a low-permeability zone. Examination of this contact in the walls of Cañon de Valle between MDA-P and PRS 16-021(c) suggests that the surge bed is discontinuous. Rogers subunit QBT_e contains a unit characterized by horizontal fractures that also may represent a possible perched-flow pathway.

QBT 3 in Cañon de Valle adjacent to MDA-P consists of two hard, pinkish-brown, partially to moderately welded, cliff-forming ignimbrites that are separated by a soft, pinkish-orange, nonwelded, slope-forming tuff. The uppermost subunit within Unit 3 contains significant horizontal fractures.

Detailed information on the mineralogy, modes, whole-rock chemistry, and outcrop characteristics of Unit 3 and Unit 4 at TA-16 are provided in Broxton et al. (1996, 15-16-1305).

A large, near-vertical fault, the Frijoles segment of the Pajarito fault zone, has been mapped to the west of OU 1082. This fault is the largest segment of the Pajarito fault system in the Los Alamos area, with down-to-the-east displacement ranging up to 400 ft during the last 1.1 million years. Fault zones may provide pathways for water flow.

2.2.2 Soils

A discussion of soils in the Los Alamos area can be found in Subsection 2.5.1.3 of the IWP (LANL 1995, 1164). Soil at TA-16 is described in Subsection 3.4.3.2 of the work plan (LANL 1993, 1094). As described in that subsection, the area surrounding PRS 16-021(c) was

mapped as fine typic Eutroboralfs by Nyhan (Nyhan et al. 1978, 0161). Examination of soils at PRSs around TA-16-260 suggests loamy fine soils. A recent study of background soils on the north and south slopes of Cañon de Valle near the TA-16 Burning Ground suggests that: 1) soil horizons ranged from 40 to 237 cm in depth, 2) soils are poorly developed and consist of A-R, A-Bw-R, or A-Bw-C soil profiles, and 3) soils are classified as Lithic Ustorthents, Typic Haplumbredt, Cumulic Haplumbredt, Typic Ustochrept, and Udic Paleoustalf soils (McDonald et al. 1996, 1354). The geomorphic environment of these soils, on the slopes of Cañon de Valle, is probably similar to that in the vicinity of PRS 16-021(c).

2.3 Hydrology

The hydrology of the Pajarito Plateau is summarized in Subsection 2.5.2 of the IWP (LANL 1995, 1164). The shallowest depth to groundwater at TA-16 is unknown. This question will be investigated as part of Phase II sampling for PRS 16-021(c). Shallow perched aquifers at TA-16 are likely quite heterogeneous. Several moderate depth (up to 200 ft) boreholes drilled at the TA-16 Burning Ground near MDA-P did not contain a saturated zone. The depth to the main aquifer at TA-16 is estimated to be greater than 1 000 ft. Four deep groundwater wells to the main aquifer are scheduled in and around TA-16 as part of sitewide hydrogeologic studies scheduled for FY97 to FY01. These wells will be located: 1) in Cañon de Valle near MDA P 2) at the confluence of Cañon de Valle and Water Canyon 3) at New Mexico State Road 501 and Cañon de Valle, and 4) at New Mexico 501 and Water Canyon.

2.3.1 Surface Water

Surface water issues at TA-16 are described in Subsection 3.5.1 of the work plan (LANL 1993, 1094). Additional information on surface waters, collected since 1993, is summarized below.

Perennial and intermittent surface water exist at many locations at TA-16, due both to natural and anthropogenic sources. Cañon de Valle contains what appears to be a perennial reach, the surface water between TA-16-260 outfall and a location beyond MDA-P has flowed continuously since initial investigations in 1992. Several small saturated areas are present in small, tributary, drainages to Cañon de Valle and Water Canyon. Many of these zones are due to the discharge of process waters from TA-16 operations. Figure 2.3.1-1 shows locations of possible wetlands-type vegetation, HE-process outfalls (as of 1994), and other surface water locations.

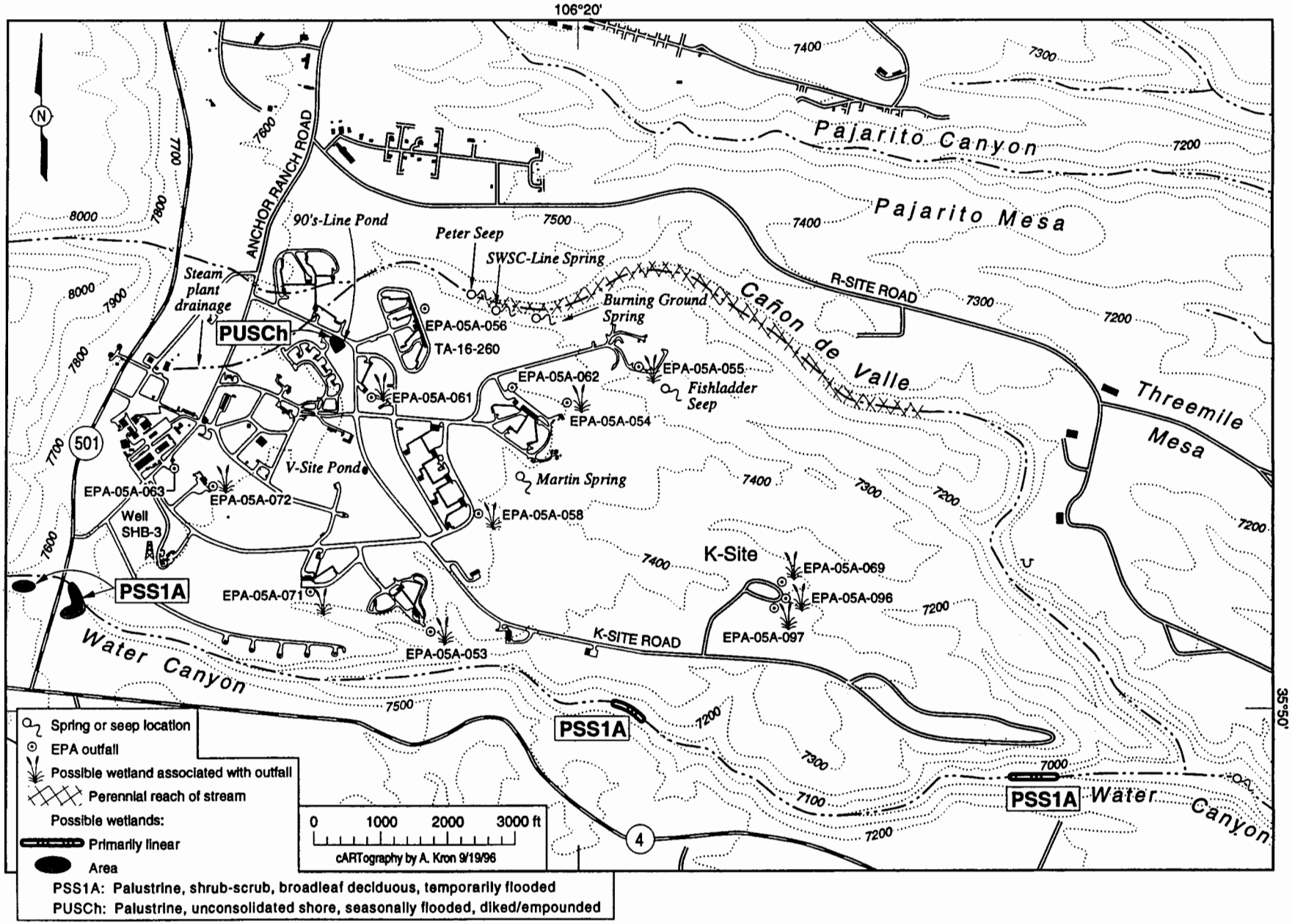

Fig. 2.3.1-1. Topography, springs, seeps, National Wetlands Inventory, and LANL-defined wetlands associated with National Pollution Discharge Elimination System (NPDES) HE outfalls (active and inactive) at TA-16.

Surface waters in many of these locations have been analyzed as part of Framework Studies surface water characterization activities, by New Mexico Environment Department (NMED) Agreement in Principle (AIP) personnel as part of their surveillance activities, and as part of non-RFI hydrogeologic sampling at TA-16. Complete water analyses, maps showing sampling locations, and more detailed discussions of these data are provided in Appendix C. Information on constituents above background in surface waters is provided in Appendix C and is summarized below.

Certain surface waters in Cañon de Valle are contaminated with several constituents at levels above screening action levels (SALs) and above background. Barium in Cañon de Valle ranges from 2 to 3 ppm, which is above the New Mexico maximum concentration level (MCL) of 1 ppm. The high explosive RDX is also consistently at levels above 100 ppb, which is greater than the New Mexico MCL for that constituent. Several other constituents in Cañon de Valle are at levels above regional spring background. These constituents include HMX, chlorine, sodium, and manganese (see Appendix C).

Other surface waters at TA-16 that have anomalously high levels of constituents include the pond behind the 90s-Line, which contains barium at levels above screening action levels (SALs), and a surface water zone at K-Site, which contains barium and boron above background.

Further analyses of these surface waters will be completed during Phase II sampling activities.

2.3.2 Groundwater

Groundwater issues at TA-16 are described in Subsection 3.5.2 of the work plan. Additional information on groundwaters, collected or reinterpreted since 1993, are summarized below. Information on constituents above background in groundwaters at TA-16 are described in detail in Appendix C.

Borehole SHB-3 (Fig. 2.3.1-1), drilled in November 1991, contained perched groundwater, hypothesized to have been derived from a depth of between 750-350 ft. (Gardner et al. 1993, 0848). This water may represent a perched zone or it could represent the regional aquifer. Water and swab samples were taken from SHB-3 during the summer of 1993. These data show sporadic elevated values of lead, phosphate, rubidium, and ammonium relative to background spring data (Blake et al. 1995, 1355). Static water depth in SHB-3 was roughly 664 ft during 1992 (EPG 1994, 1179)

Several springs and seeps have been identified at TA-16 during the past four years. Locations of these springs are shown on Fig. 2.3.1-1. SWSC Line and Burning Ground spring discharge from within the uppermost, platy, subunit of Tshirege Unit 3. Martin spring apparently discharges from the lower portion of Tshirege Unit 4. All of the springs and seeps are contaminated with constituents (barium, boron, HE, solvents) at levels above background. All of these springs are also contaminated at levels above SALs for RDX (see Appendix C). Martin spring appears to be most highly contaminated.

The presence of these springs suggests the existence of one or more perched zones at a shallow level beneath TA-16. Determination of the depth and nature of the uppermost of these perched zones is one of the goals of the Phase II sampling described in Subsection 5.2.11 of this document.

2.4 Biological and Cultural Surveys

Biological and cultural surveys were performed at TA-16 prior to sampling.

Appendix A to the work plan (LANL 1993, 1094) identifies thirty-three cultural sites eligible for inclusion on the National Register of Historic Places under Criterion D within OU 1082. However, that Appendix also notes that the attributes that make these sites eligible for inclusion on the National Register will not be affected by ER project sampling activities.

Appendix B to the RFI work plan for OU 1082 and Raymer (1996, 15-16-621) describe the results of field surveys for threatened, endangered, and sensitive species (LANL 1993, 1094). Ten plant and animal species of concern were identified in those surveys. These species were: the Jemez Mountain salamander, northern goshawk, peregrine falcon, Mexican spotted owl, broad billed hummingbird, pine marten, meadow jumping mouse, spotted bat, checker lily, and wood lily. Appropriate notifications and mitigation measures for each species were also identified in Appendix B to the work plan. One of these species is known to reside in Cañon de Valle (Dunham 1996, 15-16-622; Raymer 1996 15-16-621).

3.0 APPROACH TO DATA ASSESSMENT AND ANALYSIS

The approach to data assessment used by the ER Project is described in the "Technical Approach to Data Assessment for ER Project Site Characterization Decisions" (Knudsen et al. 1996, 1299). The approaches used in this RFI report included

- sampling and analysis design,
- field investigation and collection of field and quality assurance (QA) samples,

- chemical and radiological analyses of samples and reporting of analytical data,
- routine verification and validation of analytical data,
- organization of field and analytical data into PRS-specific data packages,
- exploratory data analysis,
- comparison of validated analytical results with LANL background data,
- comparison of validated analytical results with SALs,
- assessment of human health risk, and
- formulation of decisions.

The following subsections provide overviews of the methods used to complete these steps for the PRSs discussed in this RFI report.

3.1 Sample Analysis

Samples were collected in accordance with sample design specified in the work plan (LANL 1993, 1094). All samples requiring chemical and radiological analyses and chain-of-custody documentation were submitted to the sample management office (SMO) for analyses. Analytical suites used for samples at these PRSs include VOCs, SVOCs, inorganics, HE, and uranium.

3.1.1 Analytical Methods

All samples were analyzed by contract analytical laboratories using methods specified in ER SMO analytical subcontracts. The allowed methods are EPA SW-846 (EPA 1992, 1207) and contract laboratory program (CLP) methods or equivalent for inorganics including mercury, VOCs, SVOCs, and HE. The subcontracts specify LANL-approved methods for radiochemical analyses. Analytical method selection is described in Appendix II of the ER Project Quality Assurance Project Plan (QAPP) Requirements for Sampling and Analysis (LANL 1996, 1292). For each analyte, a lower, contract-required quantitation limit is specified. These values, estimated detection limits for inorganics and estimated quantitation limits (EQLs) for organics and radionuclides, are listed in Appendix III of the ER Project QAPP. Analytes for each suite are listed in Appendix A.

A few samples, all of those that failed the HE spot test, were analyzed for the non-standard explosive TATB using a LANL in-house analytical method. No effective commercial method exists for this compound due to its insolubility.

3.1.2 Data Verification and Validation

Data verification and baseline validation procedures are used to determine whether analytical data packages have been generated according to specifications and contain the information necessary to determine data sufficiency for decision making. For analytical data used for decisions discussed in this RFI report, routine data validation under the ER protocol was performed as described in Technical Approach to the RFI Report (Knudsen et al. 1996, 1299).

PRS-specific quality assurance/quality control details are presented in Section 4 of this RFI report. Qualifiers resulting from baseline validation are shown in analytical results tables included in Section 5 of this RFI report. Summaries of data quality evaluations for analytical data packages relevant to this RFI report are given in Appendix B.

3.2 Background Comparisons

The purpose of background comparisons is to determine if chemicals that have natural or anthropogenic background distributions should be retained as COPCs or eliminated from further consideration. Background data for decision-making concerning PRSs in this RFI report are from two sources:

- Soil samples collected throughout Los Alamos County for which chemical analyses were performed for certain inorganic (metal) chemicals and naturally occurring radioactive chemicals (Longmire et al. 1995, 1142; 1266).
- Background concentrations of radioactive chemicals associated with global fallout from atmospheric nuclear testing (e.g., plutonium, cesium, strontium, and tritium) reported in LANL Environmental Surveillance reports (i.e., Purtymun et al. 1987, 0211; ESG 1988, 0408; ESG 1989, 0308; EPG 1992, 0740).

Comparisons between site data and background data are initially performed by comparing each observed concentration datum with an upper tolerance limit (UTL) estimated from background data. Details of statistical methods used to generate UTLs from the background data sets and suggestions for statistical methods for comparing site and background concentration distributions are presented in the guidance document, Application of LANL Background Data to ER Project Decision-Making, Part I: Inorganics (Ryti et al. 1996, 1298).

3.3 Detected Organic Constituents

Background data are not available for organic chemicals. Organic chemicals that are reported as detected are carried forward to the screening assessment process in this RFI report. Chemicals reported as not detected in any sample analyses are removed from further consideration.

3.4 Human Health Assessment

3.4.1 Risk Due to Background

Background risks can result from inorganics that are naturally occurring at a site. Calculation of background risks using the same methodology as site risk estimates provides a frame of reference for risk levels calculated at a site. This information provides a basis for determining risk-based remediation goals, which in some circumstances may be set at target risks comparable to background rather than default values, i.e., cancer risk of 1E-6 or hazard index of 1. Background risks can also affect decisions at sites that have constituents for which there is a threshold of toxicity. For some inorganics, background intakes may be near a toxicity threshold so that incremental intakes associated with contamination may be unacceptable.

Background risks calculated here use the same exposure assumptions by which SALs are calculated. SALs are based on health-protective assumptions for a residential scenario (EPA 1995, 1307). For soil exposure, the pathways include incidental soil ingestion, inhalation of resuspended dust, and dermal contact with soil. Because background soil data represent geographically diverse locations, background risks are estimated for both a median concentration and the UTL from the entire background data set to present the range of potential risk associated with different soil constituent concentrations found in and around Los Alamos. The background risks based on the SAL residential exposure model are provided in Table 3.4.1-1.

Risks due to background are presented for both noncarcinogenic and carcinogenic outcomes. The potential for adverse noncarcinogenic health effects is estimated by a hazard quotient. Intakes leading to a hazard quotient up to 1 are not associated with adverse health effects. None of the median background concentrations result in hazard quotients greater than 1. The hazard quotient of the UTL concentration for manganese exceeds 1 (1.9). However, given the unlikely occurrence of this concentration, the conservative assumptions in the exposure assessment, the margin of safety in the reference dose, and the exceedance of less than a factor of two, this intake estimate is not expected to be associated with adverse health effects.

Four of the background inorganics are also carcinogens, although the cancer-risk due to Cr(vi) is not shown, because it is assumed that naturally occurring chromium is in the trivalent state. According to the default exposure assumptions used for SALs, the lifetime cancer risks due to background residential soil exposure are estimated at 1 to 2 in 100 000 for arsenic and beryllium.

These background risk estimates provide a frame of reference for the screening assessment and site decisions. If a site-specific risk assessment is necessary to further evaluate risks, background risks can also be calculated using the site/scenario-specific assumptions to assist in the remedial action decisions for the site.

TABLE 3.4.1-1

RISK DUE TO BACKGROUND CONCENTRATIONS OF SOIL INORGANICS ASSUMING A RESIDENTIAL SCENARIO[a]

SOIL INORGANIC	SOIL CONCENTRATION (mg/kg)		HAZARD QUOTIENT		LIFETIME CANCER RISK	
	MEDIAN	UTL	MEDIAN	UTL	MEDIAN	UTL
Aluminum	10 000	38 700	0.13	0.5	nc[b]	nc
Antimony	0.6	1.0	0.019	0.032	nc	nc
Arsenic	4.0	7.82	0.18	0.36	1.2E-5	2.4E-5
Barium	130	315	0.025	0.059	nc	nc
Beryllium	0.895	1.95	0.0027	0.0059	6.4E-6	1.4E-5
Cadmium[c]	0.20	2.7	0.0053	0.071	1.4E-10	1.9E-9
Chromium[d]	7.2	16.1	0.00009	0.0002	nc	nc
Cobalt	6.0	19.2	0.0013	0.0042	nc	nc
Copper	5.75	30.7	0.0021	0.011	nc	nc
Lead	12	23.3	0.03	0.058	nc	nc
Manganese	320	714	0.84	1.9	nc	nc
Mercury	0.05	0.1	0.0022	0.0043	nc	nc
Nickel	7.0	15.2	0.0047	0.01	nc	nc
Selenium	0.3	1.7	0.00078	0.0045	nc	nc
Thallium	0.2	1.0	0.033	0.16	nc	nc
Uranium	0.9	1.87	0.0039	0.0081	nc	nc
Vanadium	21	41.9	0.039	0.078	nc	nc
Zinc	30.7	50.8	0.0013	0.0022	nc	nc

[a] Risk estimates are based on reference doses, slope factors, and EPA Region IX default exposure assumptions effective in April 1996.
[b] nc= noncarcinogen.
[c] Cancer risks for cadmium are based solely on inhalation of resuspended dust.
[d] Naturally-occurring chromium is assumed to exist in a trivalent state.

3.4.2 Screening Assessment

The purpose of this decision step is to determine if contaminants should be retained as COPCs)or eliminated from further consideration based on comparisons with SALs. This is the last step in the screening assessment process for human health concerns. If COPCs remain after this step, then further action or a risk assessment may be proposed. If no COPCs remain after this step, then no further action (NFA) may be proposed based on the absence of human health concerns. The screening assessment considered the following questions for the PRSs in this RFI report:

- Are reported concentrations or radiological activities due to analytical laboratory/field bias or contamination?
- Are site data greater than background UTLs and fail a multiple chemical evaluation (MCE)?
- Is the maximum site concentration greater than the SAL?
- If a SAL does not exist for a detected chemical, should that chemical be carried forward as a COPC?

SALs are calculated using chemical-specific toxicity information and conservative, default exposure assumptions. Soil and water media have separate SALs for each contaminant. The decision to identify a contaminant as a COPC when a SAL is not available is made on a case-by-case basis, taking into account the availability of process knowledge and toxicological information. A complete description of the methods used to generate SALs is provided in Screening Assessment Methodology (McCann et al. 1996, 1300).

If more than one chemical or radionuclide was present above UTL at the site, an MCE was performed in which the reported concentration for each chemical was divided by its respective SAL. If the sum of the normalized values was less than 1, then the chemicals are removed from further consideration. If the total normalized value is greater than 1, then chemicals having an individual normalized value greater than or equal to 0.1 are retained as COPCs pending further evaluation. For further information on the calculation of MCEs see Screening Assessment Methodology (McCann et al. 1996, 1300).

3.4.3 Risk Assessment

The human health risk assessments follow the policy document Risk-Based Corrective Action Process (Dorries 1996, 1297). The human health risk assessment process consists of the following four steps:

- identification of COPCs,
- exposure assessment,
- toxicity assessment, and
- risk characterization.

No site-specific human health risk assessments were performed for PRSs 16-003(k) or 16-021(c).

3.5 Ecological Assessment

The PRSs in this RFI report are evaluated according to the Ecological Risk Assessment Approach for Los Alamos National Laboratory (Ferenbaugh et al. 1996, 1303). Each PRS is first screened for background concentrations and evaluated for presence of suitable habitat, potential for off-site transport of contaminants, and receptor access to the site or to areas impacted by off-site transport. NFA for ecological concern is recommended when background concentrations are not exceeded, suitable habitat does not exist, and/or if there is no receptor access to the site or to areas impacted by off-site transport.

Because the preliminary ecological screening for the PRS(s) indicates a potential for ecological concern, the PRS(s) will be evaluated as part of the new Ecological Exposure Unit (Ecozone) approach that is being developed by LANL in conjunction with EPA and the NMED. PRS 16-021(c) has clearly impacted environmental receptors. There are significant numbers of dead trees in and around the drainage from the outfall.

4.0 RESULTS OF QUALITY ASSURANCE/QUALITY CONTROL ACTIVITIES

This section reviews the impact on data usability of QC results, reported in Appendix B, together with results from field duplicates. Three field duplicate pairs were collected at PRS 16-021(c).

All laboratory analyses for this report were performed by a single analytical laboratory. All data were subjected to routine data validation. Field results stored in FIMAD have been edited and agree with hard copy results. However, not all QC results reported by the laboratory are either present or correct in FIMAD at this time. Flags assigned by the routine data validators are in FIMAD, but the information in Appendix B is generally more complete.

4.1 Inorganic Analysis

A total of 47 field samples were analyzed for the standard suite of inorganic chemicals. Four samples were submitted for inorganic TCLP analyses. Qualifications placed on these results by routine data validation are summarized in Appendix B, Table B-1.

Relative standard deviations (RSDs) for most inorganic chemicals, as measured by replicate analyses, were generally in the range of 10–30%. RSDs occasionally exceeded 40% for some replicate analyses of the more abundant elements (such as aluminum, iron, manganese, and sodium) and also for one cobalt pair. RSDs were less than 5% for chemicals generally reported below detection level (cadmium, selenium, silver, thorium, antimony, and cyanide). RSDs were below 10% for mercury except for one pair in request #1269, resulting in laboratory qualification of all mercury results for the nine samples in that request. However, none of the mercury results for these samples exceeded 0.1 mg/kg, and as results below 0.1 mg/kg were also obtained uniformly for the remaining 38 samples, the data from this request are likewise accepted as being representative of the very low levels of mercury at these sites.

Comparable RSDs were observed for field duplicate pairs, indicating that local heterogeneity and sample collection and handling procedures did not contribute significantly to variability in the results.

Matrix spike recoveries fell outside the acceptable values for some inorganic chemicals, as noted in Table B-1. For the purposes of this report, the primary purpose being to determine whether inorganic contamination is present, only negative biases are of concern. Negative biases were indicated primarily for selenium and less frequently for arsenic and barium. There is no process information or data to indicate that either selenium or arsenic are COPCs at this site. Barium, a constituent of many high explosives, is both expected and observed to be present at high concentrations. The inorganic data are accepted as qualified in Table B-1.

4.2 Radiochemical Analyses

A total of 46 field samples were analyzed for total uranium. Qualifications placed on these results by routine data validation are summarized in Appendix B, Table B-1.

The RSDs for the three replicated analyses (all at background levels of uranium) were less than 20%. RSDs for two field duplicate pairs were only slightly higher (11% and 29%), indicating that local heterogeneity and sample collection and handling procedures did not significantly increase variability in the results.

Data validation noted no problems with total uranium analyses. The data are considered valid without qualification.

4.3 Organic Analysis

A total of 47 field samples were analyzed for SVOCs and HE. In addition, 18 of the field samples (including all subsurface samples) were analyzed for VOCs. Four surface samples were analyzed for herbicides and four for pesticides. Qualifications placed on these results by routine data validation are summarized in Appendix B, Table B-2.

Volatiles: The RSDs for replicate analyses for the few VOCs detected at low levels (most less than 100 ug/kg) were on the order of 20—50%.

Surrogate recoveries were somewhat low (50—70%) for samples 0316-95-0044, -0045, and -0046 in request number 1173, and ethylene chloride was reported at 21 ug/kg in one QC blank associated with request number 1173. However, data validation indicated that the results associated with these samples, which were reanalyzed, could be accepted (see Table B-2).

Semivolatiles: Only two SVOCs were detected in replicate analyses: anthracene, which was J-qualified, and bis(2-ethylhexyl)phthalate, for which blank contamination was indicated. In both cases, the RSDs were less than 12%. RSDs for anthracene in field duplicate pairs ranged

up to 100% in one pair where the J-flagged values were 3.3 mg/kg in 0316-95-0031 and 6.2 mg/kg in 0316-95-2013 (request number 563). Anthracene in samples from this request is, in any case, reported well below the SAL of 19 mg/kg, so the results are accepted as correctly indicating concentrations below levels of concern at this location. (However, anthracene is a COPC at PRS 16-021(c) because it was present at levels above 100 mg/kg in samples collected near the outfall.)

Bis(2-ethylhexyl) phthalate was reported at 4 600 mg/kg in 0316-95-0044 but undetected in its field duplicate 0316-95-2015, collected from the 12—18 in. depth interval at the outfall. It should also be noted that the semivolatile detection levels were very high for this pair, which contained greater than one weight percent levels of HE.

Di-n-butyl-phthalate was identified (J-flagged at 130 ug/kg) in one QC blank associated with request 1102, and bis(2-ethylhexyl)phthalate was reported at 560 ug/kg in a QC blank associated with request 1173. Data validators note additional phthalate contamination (see Table B-2). However, these low levels of possible laboratory contamination are inadequate to explain some very high observations obtained at samples near the PRS 16-021(c) outfall. These high observations are accepted as representing potential phthalate contamination in those areas, despite difficulties with their replication in one field duplicate pair (see above).

Some low surrogate recoveries (less than 40%) were reported for 0316-95-0037 (request number 563). However, there is nothing in nearby samples, including several closer to the outfall, to indicate that SVOC contamination is present below the former pond area at PRS 16-021(c), and the results for this sample are accepted.

High explosives: Many of the HE results were qualified "PM" (i.e., manual review of raw data recommended to determine if data are usable) by the routine data validators. A limited review was performed of four data packages. Most of the problems observed related to the extremely high levels of HE contamination in many of these samples. These required numerous dilutions and, in some cases, special sample preparation techniques, which complicated the interpretation of the high-pressure liquid chromatography (HPLC) chromatograms.

No replicate analyses were performed for HE. Results for the HE compounds detected at high levels in field duplicate pairs (TNT, HMX, RDX) were replicated with RSDs below 40% for these pairs, except for TNT at the outfall pair which was almost twice as high in 0316-95-0044 as in 0316-95-2015. More variability was also observed for some of the DNTs and ADNTs reported close to detection levels for these compounds. Dilution factors of at least 10, and as high as 5 000, were required for all of these samples.

No blank contamination was reported in HE runs.

Surrogate recoveries were sometimes affected by the high concentrations of TNT and RDX (especially in confirmation column results, where the surrogate elutes at almost the same time as RDX). In most cases, however, surrogate recoveries were well within standard limits for the primary runs.

Recovery of seven spiked analytes in the lab control samples (LCSs) was within control limits except as noted in Table B.

Quantitative results for bounding samples with little or no HE are considered valid. Samples with very high concentrations represent areas that will be the subject of further investigation and remediation. These latter results are entirely adequate for the generally qualitative purposes for which they are used in this report, and quantitatively acceptable provided that it is recognized that the very high concentrations of HE may lead to larger than average uncertainties.

5.0 SPECIFIC RESULTS, CONCLUSIONS, AND RECOMMENDATIONS

PRS 16-003(k) is recommended for voluntary corrective action (VCA) in conjunction with corrective measures study (CMS)/corrective measures implemenation (CMI) activities at PRS 16-021(c) (Table 5.0-1). PRS 16-021(c) is recommended for Phase II sampling and analysis to support the development of a CMS plan and CMS/ CMI.

TABLE 5.0-1

SUMMARY OF PRSs IN THIS RFI REPORT

SECTION	PRS ID	DESCRIPTION	COPCs	RECOMMENDATION
5.1	16-003(k)	HE sumps and drain lines	None detected - potential releases not fully characterized.	Voluntary corrective action
5.2	16-021(c)	TA-16-260 drainage	Barium, HE, anthracene, bis(2-ethylmethyl) phthalate	Phase II sampling, corrective measures study/ corrective measures implementation

5.1 PRS 16-003(k)

PRS 16-003(k) consists of 13 HE sumps, their drain lines, and concrete troughs associated with TA-16-260. No contaminants at levels greater than SALs were found in a limited number of core holes adjacent to a few of the sumps and troughs. These data suggest that contaminant levels do not present a current risk to human health and the environment. However, potential releases from this unit have not been fully characterized. Drain line and trough contamination is often localized near leak points and structural flaws, which are best observed during drain line and trough removal. It is anticipated that drain line, trough, and soil contamination may be located during removal of drain lines and concrete troughs at PRS 16-003(k). Thus, the PRS is recommended for VCA. This VCA will accompany CMI at TA-16-260.

5.1.1 History

PRS 16-003(k) is discussed in the RFI Work Plan for OU 1082, Subsection 5.3 (LANL 1993, 1094). TA-16-260 is an HE machining facility, which was constructed in 1951 and continues as an active HE facility. Machine turnings are routed to the sumps as waste. Sumps collect HE wastewater generated during HE machining, then HE particulates are captured in the sumps, which are cleaned periodically. Historically the sumps have discharged to drain lines that discharge into a concrete trough that discharges at an outfall [PRS 16-021(c)]. Currently the sumps are still active, but the drain lines and troughs are currently scheduled to be removed from service during fall 1996. In 1994 roughly 2.5 million gal. of HE wastewater were discharged at TA-16-260 under National Pollution Discharge Elimination System (NPDES) Permit EPA 05A056 (No author 1994, 15-16-629).

In 1966, the 10-ft-wide loading dock on the rear (northeast) of TA-16-260 was removed. All new sumps with water-tight aluminum liners were installed adjacent to the northeast wall of TA-16-260. HE-contaminated soil under the old sumps was removed and replaced with clean, compacted soil.

The discharge points to the HE sumps are currently scheduled to be plugged during fall 1996. The sumps will still receive wastewater; however, this material will be collected periodically with a vacuum truck rather than discharged to the outfall. The vacuum trucks will transport the wastewaters to the TA-16 Burning Ground where they will be treated at the HE-wastewater treatment facility and discharged at NPDES outfall EPA 05A055. Volumes of HE wastewater generated at TA-16-260 have decreased significantly due to waste minimization efforts, particularly the installation of recirculating vacuum pumps. The vitrified-clay pipes and troughs will be considered inactive. The NPDES Permit for the outfall will probably soon be deactivated.

Known and potential contaminants listed in the work plan included HE, inorganics particularly barium, SVOCs, VOCs, and uranium.

5.1.2 Description

PRS 16-003(k) is 13 concrete HE sumps, drain lines and troughs associated with TA-16-260. Sump dimensions are 90 in. long by 36 in. wide by 31 in. deep (1 each) and 176 in. long by 36 in. wide by 31 in. deep (12 each). The HE sumps are connected by vitrified-clay pipe to a 4-ft-deep concrete trough that parallels TA-16-260. This feeder trough discharges into a second concrete trough oriented northeast-southwest that discharges into outfall and drainage PRS 16-021(c). The area surrounding the sumps is a level parking lot, the concrete trough is situated in a fairly level woodland characterized by ponderosa pines.

5.1.3 Previous Investigations

A limited number of analytical data for PRS 16-003(k) exist. In 1972, contaminants in TA-16-260 sump water ranged from 0–3.2 ppm HMX-RDX, 7–18 ppm TNT, and 70–1 587 ppm barium nitrate (Roybal 1972, 15-16-439) (Tables 5.1.3-1 and 5.1.3-2). As part of an NPDES permit application, sump waters from TA-16-260 were analyzed for TNT, yielding values ranging from <0.4–78 ppm (LASL 1977, 15-16-426). A site worker sampled water in the HE sumps in 1988. Water samples from the sumps were analyzed for three HE (HMX, RDX, and TNT) and four VOCs (acetone, methyl ethyl ketone, n-butyl acetate, and toluene). Analytes detected are summarized in Tables 5.1.3-3 and 5.1.3-4. Both HE (HMX, TNT, and RDX) and VOCs (toluene) were present at levels greater than water SALs. EQLS and QA results were not reported for any of these analyses.

TABLE 5.1.3-1

PRS 16-003(k) WATER CONCENTRATIONS FOR HIGH EXPLOSIVES[a]

SAMPLE ID	HE	RESULT (µg/L)	SAL (µg/L)
7/7/72	HMX/RDX	3 200	1 800/0.061[b]
7/14/72	HMX/RDX	3 000	1 800/0.061
7/21/72	HMX/RDX	2 600	1 800/0.061
7/28/72	HMX/RDX	2 100	1 800/0.061
8/4/72	HMX/RDX	2 500	1 800/0.061
8/11/72	HMX/RDX	2 000	1 800/0.061
6/30/72	TNT	13 000	2.2
7/7/72	TNT	10 000	2.2
7/14/72	TNT	10 000	2.2
7/21/72	TNT	18 000	2.2
7/28/72	TNT	13 000	2.2
8/4/72	TNT	8 000	2.2
8/11/72	TNT	7 000	2.2

[a] Roybal, 1972, 15-16-439.
[b] Where two values are shown, these are the SALs for the two constituents listed in the HE column. The analytical method did not differentiate between these two constituents.

TABLE 5.1.3-2

PRS 16-003(k) WATER CONCENTRATIONS FOR BARIUM NITRATE[a]

SAMPLE ID	MEDIA	BARIUM NITRATE (µg/L)
SAL	N/A[b]	1 000[c]
LANL UTL	NA	NA
6/30/72	WATER	1 587 000
7/7/72	WATER	167 000
7/14/72	WATER	196 000
7/21/72	WATER	520 000
7/28/72	WATER	228 000
8/4/72	WATER	371 000
8/11/72	WATER	70 000

[a] Roybal, 1972, 15-16-439.
[b] N/A = Not applicable.
[c] SAL is for total barium in water.
[d] NA = Not available.

TABLE 5.1.3-3

PRS 16-003(k) WATER CONCENTRATION FOR HIGH EXPLOSIVES[a]

SAMPLE ID	HE	RESULT (µg/L)	SAL (µg/L)
1	HMX	1 290	1 800
2	HMX	2 060	1 800
3	HMX	1 960	1 800
4	HMX	1 920	1 800
5	HMX	1 530	1 800
6	HMX	2 700	1 800
7	HMX	1 470	1 800
8	HMX	1 530	1 800
9	HMX	1 610	1 800
10	HMX	2 470	1 800
1	RDX	2 250	0.061
3	RDX	30	0.061
4	RDX	20	0.061
6	RDX	34	0.061
8	RDX	40	0.061
9	RDX	30	0.061
10	RDX	1 190	0.061
1	TNT	60	2.2
4	TNT	20	2.2
6	TNT	40	2.2
9	TNT	10	2.2
10	TNT	190	2.2

[a] Baytos 1988, 15-16-266.

TABLE 5.1.3-2

PRS 16-003(k) WATER CONCENTRATION FOR VOLATILE ORGANIC COMPOUNDS[a]

SAMPLE ID	VOC	RESULT (µg/L)	SAL (µg/L)
6	Acetone	300	610
8	Acetone	100	610
9	Acetone	200	610
10	Acetone	100	610
7	Toluene	7 700	1 000
8	Toluene	100	1 000

a Baytos 1988, 15-16-266.

5.1.4 Field Investigation

Boreholes were drilled at six locations, two each at the northeast and southeast corners of sumps 4 and 13 and two biased to zones of extensive cracking under the troughs (Fig. 5.1.4-1). Sumps 4 and 13 were identified by the operating group as the two sumps that had received the most HE waste over the past two decades (Hyde 1995, 15-16-584). Drilling was difficult at this PRS and core recovery was poor. In some core holes only a single laboratory sample was taken due to poor recovery. This lack of recovery did not affect the ultimate decision to VCA this PRS. A hollow-stem auger was used to a depth of 2–3 feet, then a coring method using a specially designed carbide tip cutting shoe and split spoon was used to drill to the final depth. Cores were screened on 12-in. intervals, rather than the 6-in. intervals prescribed in the work plan because the 6-in. intervals did not provide enough material for an analytical sample.

Twenty-two subsurface screening samples were taken and analyzed by HE spot test, PID for VOCs, and hand-held Sodium Iodide detector for radionuclides. Screening results above background are reported in Table 5.1.4-1.

The other screening results did not detect constituents or were at or below background. The shallowest and deepest positive screening intervals in any borehole were submitted for laboratory analysis. In some cores, only a single positive interval was found.

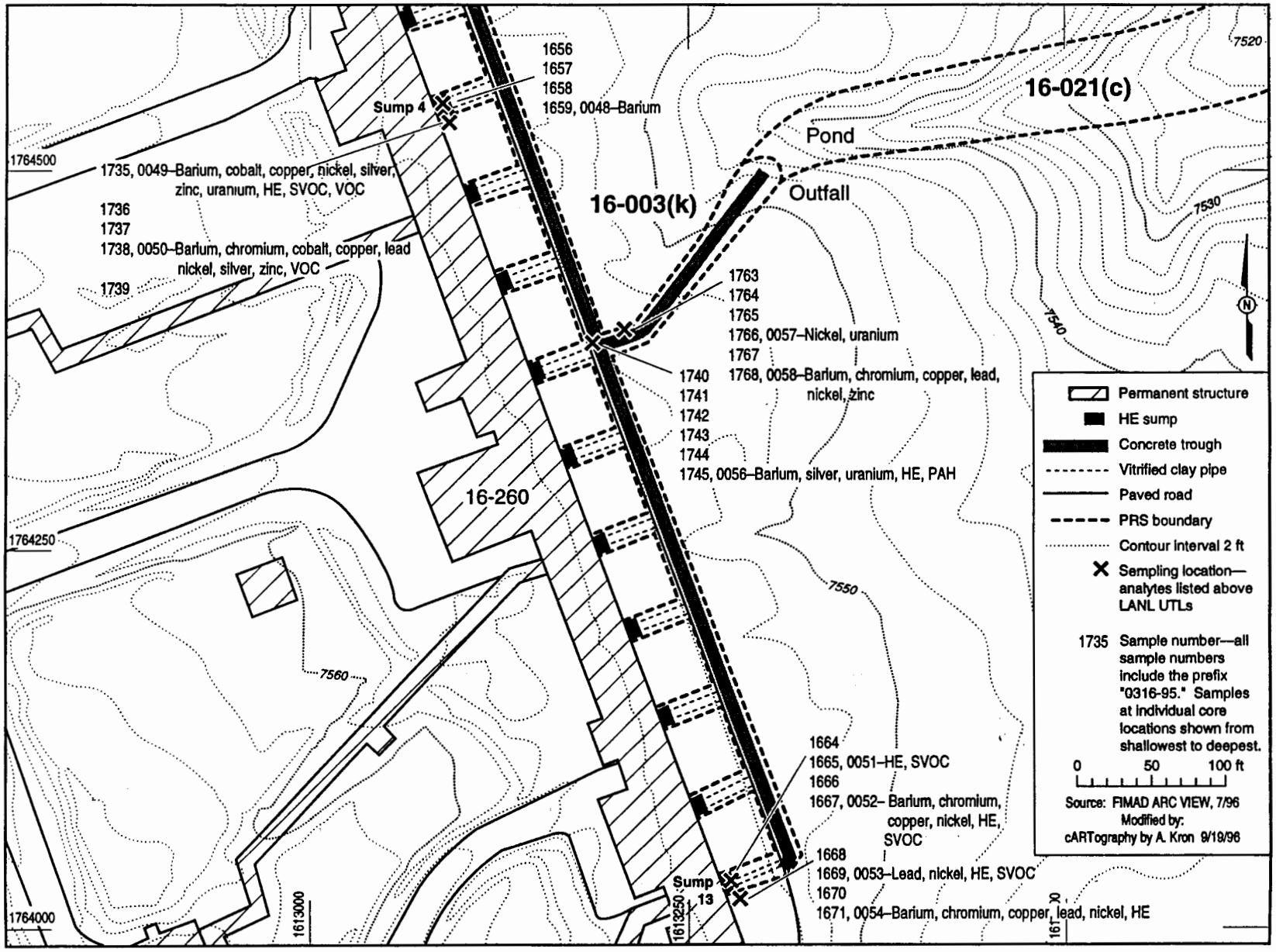

Fig. 5.1.4-1. PRS 16-003(k), HE sumps and drainlines at TA-16-260.

TABLE 5.1.4-1

FIELD SCREENING RESULTS FOR PRS 16-003(k)

SAMPLE ID	LOCATION ID	SCREENING METHOD/RESULT
0316-95-1656	16-1361	PID: 13 ppm
0316-95-1665	16-1365	PID/ 5 ppm; HE spot test/ positive
0316-95-1667	16-1365	HE spot test/ positive
0316-95-1671	16-1646	HE spot test/ positive
0316-95-1735	16-1645	HE spot test/ positive
0316-95-1738	16-1645	HE spot test/ positive
0316-95-1740	16-1356	PID/ 1 ppm
0316-95-1741	16-1356	PID/ 1 ppm
0316-95-1742	16-1356	PID/ 2 ppm
0316-95-1743	16-1356	PID/ 2 ppm
0316-95-1744	16-1356	PID/ 2 ppm
0316-95-1763	16-1357	PID/ 30 ppm
0316-95-1764	16-1357	PID/ 30 ppm
0316-95-1765	16-1357	PID/ 30 ppm
0316-95-1766	16-1357	PID/ 110 ppm
0316-95-1767	16-1357	PID/ 110 ppm
0316-95-1768	16-1357	PID/ 1 ppm

Ten subsurface laboratory samples were collected for this PRS (Table 5.1.4.2). The work plan and its NOD called for angled drilling a single borehole beneath five sumps and at five locations beneath the drainage troughs. Because of budgetary constraints, only two sumps and only two locations beneath the troughs were drilled. In addition, rather than angled drilling beneath the sumps, two vertical boreholes were drilled at each sump. Vertical boreholes were drilled because the operating group would not agree to angled drilling at PRS 16-003(k). Wet drilling is required at potentially HE-contaminated locations and angled holes are difficult to drill wet. There are potential explosive safety hazards associated with drilling dry core holes at potentially HE-contaminated locations. These deviations from the RFI work plan and its NOD were discussed with EPA representatives and communicated to EPA in a letter dated May 24, 1996 (Jansen and Taylor 1995, 15-16-627).

TABLE 5.1.4-2

SUMMARY OF LABORATORY SAMPLES TAKEN AND REQUEST NUMBERS FOR PRS 16-003(k)

LOCATION ID	SAMPLE ID	DEPTH (ft)	MATRIX	VOCs	SVOCs	HE	INORGs	URANIUM
16-1361	0316-95-0048	3–4	Soil	1102	1102	1102	1106	1108
16-1645	0316-95-0049	0–1	Soil	1203	1203	1203	1204	1205
16-1645	0316-95-0050	3.5–4.5	Soil	1203	1203	1203	1204	1205
16-1365	0316-95-0051	1–2	Soil	1102	1102	1102	1106	1108
16-1365	0316-95-0052	2.5–3.5	Soil	1102	1102	1102	1106	1108
16-1646	0316-95-0053	1.5–2.3	Soil	1102	1102	1102	1106	1108
16-1646	0316-95-0054	3.7–4.25	Soil	1102	1102	1102	1106	1108
16-1356	0316-95-0056	5–6	Soil	1222	1222	1222	1223	1224
16-1357	0316-95-0057	3–4.5	Soil	1222	1222	1222	1223	1224
16-1357	0316-95-0058	5–6	Soil	1222	1222	1222	1223	1224

5.1.5 Background Comparison

Barium, chromium, cobalt, copper, lead, nickel, silver, uranium, and zinc were found above background UTLs but below SALs (Table 5.1.5-1). Barium and lead in samples 0316-95-0056, 0316-95-0057, and 0316-95-0058 (RN 1123) had poor duplicate recoveries. Cobalt, copper, nickel, and zinc in samples 0316-95-0049 and 0316-95-0050 (RN 1204) similarly had poor duplicate recoveries. These data should be considered estimated, but the values are far enough below SALs that the decisions, based on these data, and described below are valid.

TABLE 5.1.5-1

INORGANIC ANALYTES AND URANIUM WITH CONCENTRATIONS GREATER THAN BACKGROUND UTLs FOR PRS 16-003(k)[a]

SAMPLE ID	DEPTH (ft)	SOIL/ ROCK UNIT	BARIUM (mg/kg)	CHROMIUM (mg/kg)	COBALT (mg/kg)	COPPER (mg/kg)	LEAD (mg/kg)	NICKEL (mg/kg)	SILVER (mg/kg)	TOTAL URANIUM (mg/kg)	ZINC (mg/kg)
LANL UTL (all soil)	N/A	N/A[b]	315	19.3	19.2	30.7	23.3	12.2	N/A	1.87	50.8
LANL UTL (Qbt4)	N/A	N/A	42	5.4	25	1.6	4	<2	<1	2.93	47
SAL	N/A	N/A	5 300	210	4 600	2 800	400	1 530	380	29	23 000
0316-95-0048	3.0–4.0	Soil	2 030	10.1	3.8	6.1	10.2	7.9	0.59(U)[c]	1.73	21.7
0316-95-0049	0–1	Soil	805	17	34.6(P)[d]	317(P)	8.5(J+)	70.4 (J+[e]P)	0.63	2.07	200 (J+P)
0316-95-0050	3.5–4.5	Qbt4	352	116	38.5(P)	228(P)	6.5(J+)	103 (J+P)	3.7	1.42	155 (J+P)
0316-95-0052	2.5–3.5	Qbt4	318	6.5	1.1(U)	2.3	3.4	3.2(U)	0.56(U)	1.76	20.4
0316-95-0053	1.3–2.3	Qbt4	24.4	5.5	1(U)	1.6	316	2.7	0.52(U)	2.89	32.1
0316-95-0054	3.67–4.25	Qbt4	311	30	2	6	6.1	6.1	0.6(U)	1.67	27.8
0316-95-0056	5.0–6.0	Soil	557 (J-[f]P)	10.7	3.5	6.7	17.2(P)	8.8	1.7	2.77	37.1
0316-95-0057	3–4.5	Soil	79.1 (J-P)	15.2	6.3	21.7	13.4(P)	15.4	0.61(U)	2.27	49
0316-95-0058	5.0–6.0	Qbt4	125 (J-P)	17.6	8	67.2	11.4(P)	23.7	0.59(U)	2.61	79.7

[a] Analytes greater than UTLs are enclosed in double lines.
[b] Not available.
[c] U = Analyte positively identified in the samples and the associated value is the sample-specific EQL/EDL.
[d] P = Professional judgment should be applied to using this data in decision making.
[e] J+ = The analyte was positively identified and the result is likely to be biased high.
[f] J- = The analyte was positively identified and the result is likely to be biased low.

5.1.6 Evaluation of Organics

HE, SVOCs, and the organic analyte methylene chloride were reported for this PRS (Tables 5.1.6-1, 5.1.6-2, and 5.1.6-3). None of these analytes were present at levels above SALs. Data for several undetected SVOC compounds in sample 031-95-0051 were rejected. These compounds were not detected in the two other samples from the same borehole, so it is unlikely that they were present at high levels in this sample.

TABLE 5.1.6-1

PRS 16-003(k) SOIL CONCENTRATIONS FOR HIGH EXPLOSIVES WITH VALUES GREATER THAN THE REPORTING LIMIT[a]

SAMPLE ID	DEPTH (ft)	4-ADNT (mg/kg)	HMX (mg/kg)	1,3,5-Trinitrobenzene (mg/kg)	2,4,6-Trinitrotoluene (mg/kg)
SAL	N/A[b]	NC[c]	3 300	3.3	15
EQL	N/A	ND[d]	2.2	0.25	0.25
0316-95-0049	0–1	0.092 (U)[e]	0.228	0.085 (U)	0.09 (U)
0316-95-0051	1–2	0.142	0.165 (U)	0.084 (U)	0.225
0316-95-0052	2.5–3.5	0.147	2.3	0.272	0.911
0316-95-0053	1.5–2.3	0.09 (U)	0.304	0.084 (U)	0.089 (U)
0316-95-0054	3.7–4.25	0.091 (U)	3.84	0.085 (U)	0.09 (U)
0316-95-0056	5–6	0.095 (U)	1.15	0.088 (U)	0.093 (U)

[a] Analytes greater than EQLs enclosed in double lines.
[b] N/A = Not applicable.
[c] NC = Not calculated.
[d] ND = Not determined.
[e] U = The analyte was not positively identified in the sample and the associated valued is the sample-specific EQL/EDL.

TABLE 5.1.6-2

PRS 16-003(k) SOIL CONCENTRATIONS FOR SEMIVOLATILE ORGANIC ANALYTES WITH VALUES GREATER THAN THE REPORTING LIMIT[a]

SAMPLE ID	DEPTH (ft)	BENZOIC ACID (mg/kg)	DIETHYLPHTHALATE (mg/kg)	FLUORANTHENE (mg/kg)	2-METHYLNAPHTHALENE (mg/kg)	PYRENE (mg/kg)
SAL	N/A[b]	100 000	52 000	2 600	NC[c]	2 000
EQL	N/A	3.3	0.33	0.33	0.33	0.33
0316-95-0049	0–1	3.8 (U)[d]	0.08 (J)[e]	0.38 (U)	0.38 (U)	0.38 (U)
0316-95-0051	1–2	7.4 (U)	0.74 (U)	0.74 (U)	0.26 (J)	0.74 (U)
0316-95-0052	2.5–3.5	3.7 (U)	0.48	0.37 (U)	0.37 (U)	0.37 (U)
0316-95-0053	1.5–2.3	0.056 (J)	0.35 (U)	0.35 (U)	0.35 (U)	0.35 (U)
0316-95-0056	5–6	3.8 (U)	0.099 (J)	0.046 (J)	0.38 (U)	0.04 (J)

[a] Analytes greater than EQLs enclosed in double lines.
[b] N/A = Not applicable.
[c] NC = Not calculated.
[d] U = The analyte was not positively identified in the sample and the associated valued is the sample specific EQL/EDL.
[e] J = The analyte was positively identified and the associated numerical value is more uncertain than would normally be expected for that analyte.

TABLE 5.1.6-3

PRS 16-003(k) SOIL CONCENTRATIONS FOR VOLATILE ORGANIC ANALYTES WITH VALUES GREATER THAN THE REPORTING LIMIT

SAMPLE ID	DEPTH (ft)	METHYLENE CHLORIDE (mg/kg)
SAL	N/A[a]	11
EQL	N/A	0.05
0316-95-0049	0–1	0.003 (J)[b]
0316-95-0050	3.5–4.5	0.004 (J)

[a] N/A = Not applicable.
[b] J = The analyte was positively identified and the associated numerical value is more uncertain than would normally be expected for that analyte.

5.1.7 Human Health

5.1.7.1 Screening Assessment

No constituents were detected at levels greater than SALs at PRS 16-003(k). No COPCs were identified during this portion of the screening assessment.

Noncarcinogenic contaminants greater than LANL background UTLs were submitted for an MCE for noncarcinogenic effects. Lead is excluded from this grouping because its toxicity is based on the uptake of lead in children as modeled by EPA's Integrated Exposure Uptake Biokinetic (IUBEK) Model (EPA 119, 1178). The sum of the maxima for the noncarcinogenic group is 0.66, which is well below the target value of 1. This indicates a low potential for adverse effects due to exposure to this grouping (Table 5.1.7-1).

TABLE 5.1.7-1

MCE FOR NONCARCINOGENIC EFFECTS AT PRS 16-003(k)

CONTAMINANT	MAXIMUM SOIL CONCENTRATION (mg/kg)	SOIL SAL (mg/kg)	CONCENTRATION NORMALIZED TO SAL
Barium	2 030	5 300	0.38
Cobalt	38.5	4 600	0.008
Copper	317	2 800	0.11
Nickel	103	1 500	0.069
Silver	3.7	383	0.009
Zinc	200	23 000	0.008
HMX	3.84	3 300	0.001
TNB	0.272	3.3	0.08
Benzoic acid	0.056	100 000	0.0000006
Diethylphthalate	0.48	52 000	0.000009
Fluoranthene	0.046	2 600	0.00002
Pyrene	0.04	2 000	0.00002
Total			0.66

Carcinogenic contaminants greater than LANL background UTLs were submitted for an MCE for carcinogenic effects. The sum of the maxima for the carcinogenic group is 0.61, which is below the target value of 1. This result indicates a low potential for adverse effects due to exposure to carcinogens (Table 5.1.7-2).

TABLE 5.1.7-2

MCE FOR CARCINOGENIC EFFECTS AT PRS 16-003(k)

CONTAMINANT	MAXIMUM SOIL CONCENTRATION (mg/kg)	SOIL SAL (mg/kg)	CONCENTRATION NORMALIZED TO SAL
Chromium	116	210	0.55
TNT	0.911	15	0.06
Methylene chloride	0.004	11	0.004
Total			0.61

Only a single radionuclide, uranium, was found at PRS 16-003(k), so no MCE was performed for this constituent.

5.1.7.2 Risk Assessment

No risk assessment was performed at this PRS.

5.1.8 Preliminary Ecological Assessment

In accordance with conversations between LANL ER Project personnel, DOE/Los Alamos Area Office (LAAO), and the regulators, discussion of ecological risk assessment methodology will be deferred until the Ecological Exposure Unit (Ecozone) methodology that is being developed by LANL in conjunction with EPA Region 6 and the NMED has been approved by the regulators.

5.1.9 Extent of Contamination

Although inorganic constituents were identified above UTL values at this PRS, and organic constituents were measured above EQL values, no risk-based COPCs were identified in Subsection 5.1.7.1 above. As described in Subsection 5.1.4, the sampling activities were biased toward areas where residual contamination was expected (highly used sumps and leak points in the troughs).

Although the extent of contamination cannot be defined with certainty based on the data for these sampling locations, additional sampling for this PRS is not proposed at this time. Rather, full characterization of the extent of contamination at this PRS will be performed during the VCA activities that are described below.

5.1.10 Conclusions and Recommendations

PRS 16-003(k) is recommended for VCA associated with CMS/CMI at PRS 16-021(c) (see Subsection 5.2). No large-scale release of constituents to the environment has occurred at PRS 16-003(k) at four locations, two sumps, and two drain line leak points, identified as high probability locations for such a release. No constituents were found above SALs and MCE calculations indicate low probability of impact to receptors due to multiple constituent effects. Full characterization of potential releases within this unit has not occurred because characterization of active sumps, drain lines, and troughs is logistically difficult. The vitrified-clay pipe and troughs can now be characterized because they are currently scheduled to be abandoned as active units during fall 1996. The most cost-effective time to complete such characterization is during VCA accompanying CMI at PRS 16-021(c), when heavy equipment will be deployed. LANL proposes that: 1) the drain lines and troughs be removed as a VCA, 2) soil beneath these structures be further characterized at that time, 3) if characterization data indicate that constituents are present at levels that represent a risk to human health and the environment, the soils be removed and treated concurrently with soils undergoing remediation at PRS 16-021(c), and 4) characterization adequate to support NFA beneath the active sumps occur at that time. Such characterization beneath the sumps will be accomplished using heavy equipment. Characterization via angled drilling is not allowed at TA-16 and characterization using vertical boreholes is not fully effective. A VCA plan describing these activities in detail will be provided along with the CMS report.

5.2 PRS 16-021(c)

PRS 16-021(c) is the outfall area for HE machining building TA-16-260. The outfall receives HE wastewater discharge from the 13 HE sumps that constitute PRS 16-003(k), described in Subsection 5.1 of this report. The outfall is currently active, but is currently scheduled to be deactivated during fall 1996. The outfall is permitted as EPA 05A056. Because the extent of HE contamination is not defined with certainty, the PRS is recommended for Phase II sampling to support the CMS/CMI process. The level of contamination and the presence of HE constituents in surface waters and groundwater, suggest that the CMS/CMI process is appropriate for PRS 16-021(c).

5.2.1 History

PRS 16-021(c) is discussed in work plan, Subsection 5.2 (LANL 1993, 1094). PRS 16-021(c) has received HE wastewater since construction of TA-16-260 in 1951. As described in Subsection 5.1, TA-16-260 is an industrial-scale HE machining building. HE in the drainage

area have been recognized as being at potentially dangerous levels since at least 1960 when the first known soil samples from the outfall were analyzed for HE. Known contaminants prior to RFI investigations included barium, RDX, TNT, and HMX. Suspected contaminants were other HE constituents, additional inorganics, VOCs, SVOCs, and uranium.

5.2.2 Description

PRS 16-021(c) is the outfall associated with the 13 HE sumps on the northeast side of TA-16-260. The drainage channel from the outfall flows approximately 600 ft to the bottom of Cañon de Valle over a drop in elevation of 80 ft. The drainage channel from the outfall is well defined, with apparent high-water marks. The water flows over a 15-ft-high cliff approximately 500 ft from the outfall. A small pond approximately 55-ft long was formed by a rock dam located 93 ft from the outfall. HE-contaminated water from the outfall enters the former pond about 40 ft from the outfall. The longitudinal axis of the former pond is oriented east-west with flow in the easterly direction. The dam is about 9-ft thick, but only the first 2 ft of rock are closely packed. At present, there is no water in the former pond, although the soil and sediment are wet sporadically. Rainwater from the roadway on the northeast side of TA-16-260 flowed into the former pond prior to installation of hay bales, sandbags, and diversionary piping as an interim action.

Stressed vegetation is evident within the PRS boundaries between the rock dam and the cliff. Most trees in this area have died. One or two dead trees, possibly associated with TA-16-260 discharge, are present within Cañon de Valle downstream from PRS 16-021(c).

A series of best management practices (BMPs) were instituted at PRS 16-021(c) during FY95 and FY96 as an interim action. These BMPs were implemented when a significant amount of inorganic and HE contamination became evident in nearby springs and surface waters (see Appendix C and Subsection 2.3). The BMPs consist of four engineered controls: 1) a sandbag dam and diversion pipe upgradient from the former HE pond; 2) a sandbag dam located east of the parking lot behind TA-16-260; 3) the application of geotextile fabric matting in the former HE pond area; and 4) eight hay-bale check dams within the PRS drainage between the rock dam and the 15-ft high cliff. The rationale for these BMPs is to minimize infiltration, run-on, and runoff from the contaminated area, thereby decreasing contaminant migration to surface water and groundwaters. These BMPs are inspected regularly (at least quarterly) and will be maintained and upgraded to ensure that run-on and run-off from this site are minimized.

5.2.3 Previous Investigations

Existing data for the TA-16-260 outfall, PRS 16-021(c) collected prior to RFI sampling are extensive and show widespread HE contamination extending from the discharge point to Cañon de Valle (Table 5.2.3-1) (i.e. Baytos 1970, 15-16-278; Turner and Schwartz 1971, 15-16-284; King 1991, 15-16-381; and King 1992, 15-16-380). Values range up to four orders of magnitude greater than SALs for RDX.

Baytos analyzed sediment samples taken from the channel during the period 1970 through 1985 (Table 5.2.3-1). His studies extended several hundred feet from the outfall. The highest concentrations of HMX-RDX and TNT were found in the former pond. Concentrations of total HE in the former pond have remained uniformly high, from a low of 10.8 wt % in 1971 to 27.0 wt % in 1976 (Baytos 1971, 15-16-277; and Baytos 1976, 15-16-271). Baytos cited an unpublished report from 1960 in which the total HE concentration was 9.8 wt % (Baytos 1972, 15-16-275). In 1991, Barr and King found concentrations as high as 34.1 wt % in the former pond (King 1991, 15-16-381; King 1992, 15-16-380). Barr and King also found that HE concentrations were high (4.4 wt %) for a distance of over 200 ft down the drainage. In dry soil, such high concentrations could be considered explosive mixtures under certain conditions (Urizar 1984, 15-16-353).

Baytos' distances from the outfall are approximate (i.e., within 10 ft). Distances that the samples were taken from the centerline of the former pond were not always recorded. Therefore, there may be some inconsistencies in the data.

TABLE 5.2.3-1

HIGH EXPLOSIVES IN THE TA-16-260 DRAINAGE CHANNEL BASED ON EXISTING DATA

SAMPLE ID	HIGH EXPLOSIVE	RESULT (mg/kg)	SAL (mg/kg)	EQL
4/29/70 Outfall	HMX/RDX[a]	70 000	3 300/4[b]	NA[c]
4/29/70 Pond center	HMX/RDX	205 000	3 300/4	NA
4/29/70 1 ft below dam	HMX/RDX	48 000	3 300/4	NA
4/29/70 Between dam and cliff	HMX/RDX	129 000	3 300/4	NA
4/29/70 Cliff	HMX/RDX	39 000	3 300/4	NA
11/18/70 10 ft from outfall	HMX/RDX	32 000	3 300/4	NA
11/18/70 Inlet to pond	HMX/RDX	141 000	3 300/4	NA
11/18/70 10 ft above dam	HMX/RDX	221 000	3 300/4	NA
11/18/70 5 ft below dam	HMX/RDX	145 000	3 300/4	NA
11/5/71 10 ft from outfall	HMX/RDX	29 000	3 300/4	NA
11/5/71 Pond inlet	HMX/RDX	108 000	3 300/4	NA
11/5/71 10 ft above dam	HMX/RDX	257 000	3 300/4	NA
11/5/71 10 ft below dam	HMX/RDX	225 000	3 300/4	NA
8/22/73 10 ft from outfall	HMX/RDX	13 000	3 300/4	NA
11/14/74 Outfall	HMX/RDX	17 000	3 300/4	NA
11/14/74 1 ft above dam	HMX/RDX	171 000	3 300/4	NA
11/14/74 50 ft below dam	HMX/RDX	137 000	3 300/4	NA
12/5/75 10 ft from outfall	HMX/RDX	2 000	3 300/4	NA
12/5/75 1 ft above dam	HMX/RDX	92 000	3 300/4	NA
11/19/76 10 ft from outfall	HMX/RDX	2 000	3 300/4	NA
11/19/76 50 ft from outfall	HMX/RDX	30 000	3 300/4	NA
11/19/76 65 ft from outfall	HMX/RDX	267 000	3 300/4	NA
11/19/76 250 ft from outfall	HMX/RDX	173 000	3 300/4	NA
7/18/84 3 ft from outfall	HMX/RDX	3 000	3 300/4	NA
7/18/84 30 ft from outfall	HMX/RDX	104 000	3 300/4	NA
7/18/84 50 ft from outfall	HMX/RDX	167 000	3 300/4	NA
9/12/85 30 ft from outfall	HMX/RDX	20 000	3 300/4	NA
9/12/85 110 ft from outfall	HMX/RDX	266 000	3 300/4	NA
9/12/85 230 ft from outfall	HMX/RDX	17 000	3 300/4	NA
7/21/91 1 ft from outfall	HMX	26 400	3 300	NA
7/21/91 20 ft from outfall	HMX	4 000	3 300	NA
7/21/91 40 ft from outfall	HMX	1 000	3 300	NA
7/21/91 45 ft from outfall	HMX	29 400	3 300	NA
7/21/91 50 ft from outfall - center pool	HMX	43 800	3 300	NA
7/21/91 60 ft from outfall - center pool	HMX	40 000	3 300	NA

TABLE 5.2.3-1 (CONTINUED)

HIGH EXPLOSIVES IN THE TA-16-260 DRAINAGE CHANNEL BASED ON EXISTING DATA

SAMPLE ID	HIGH EXPLOSIVE	RESULT (mg/kg)	SAL (mg/kg)	EQL
7/21/91 70 ft from outfall	HMX	39 000	3 300	NA
7/21/91 80 ft from outfall	HMX	97 000	3 300	NA
7/21/91 90 ft from outfall	HMX	13 250	3 300	NA
7/21/91 110 ft from outfall	HMX	62 000	3 300	NA
7/21/91 60 ft from outfall, north edge of pond	HMX	5 000	3 300	NA
7/21/91 70 ft from outfall, north edge of pond	HMX	90 000	3 300	NA
7/21/91 90 ft from outfall, north edge of pond	HMX	23 000	3 300	NA
11/15/91 90 ft from outfall, 12 in. from north edge	HMX	56 300	3 300	NA
11/15/91 91 ft from outfall	HMX	29 100	3 300	NA
11/15/91 91 ft from outfall, 2 in. deep	HMX	66 800	3 300	NA
11/15/91 91 ft from outfall, 8 in. deep	HMX	54 100	3 300	NA
11/15/91 91 ft from outfall, 13 in. deep	HMX	96 000	3 300	NA
11/15/91 91 ft from outfall, 8 in. from edge 13 in. deep	HMX	92 400	3 300	NA
11/15/91 91 ft from outfall 12 in. from edge 13 in. deep	HMX	106 300	3 300	NA
11/15/91 135 ft from outfall	HMX	20 900	3 300	NA
11/15/91 210 ft from outfall	HMX	37 300	3 300	NA
3/11/60 Pond center	RDX	85 000	4	NA
3/11/60 Pond center	RDX	35 000	4	NA
3/11/60 20 ft below dam	RDX	43 000	4	NA
3/11/60 30 ft below dam	RDX	33 000	4	NA
3/11/60 100 ft below dam	RDX	27 000	4	NA
3/11/60 150 ft below dam	RDX	5000	4	NA
7/21/91 1 ft from outfall	RDX	8 000	4	100[d]
7/21/91 20 ft from outfall	RDX	14 000	4	100
7/21/91 40 ft from outfall	RDX	100	4	100
7/21/91 45 ft from outfall	RDX	< 100	4	100
7/21/91 50 ft from outfall, center pool	RDX	5 000	4	100
7/21/91 60 ft from outfall, center pool	RDX	24 000	4	100
7/21/91 70 ft from outfall	RDX	51 800	4	100
7/21/91 80 ft from outfall	RDX	126 000	4	100
7/21/91 90 ft from outfall	RDX	134 700	4	100
7/21/91 110 ft from outfall	RDX	14 000	4	100
7/21/91 60 ft from outfall, north edge of pond	RDX	400	4	100

TABLE 5.2.3-1 (CONTINUED)

HIGH EXPLOSIVES IN THE TA-16-260 DRAINAGE CHANNEL BASED ON EXISTING DATA

SAMPLE ID	HIGH EXPLOSIVE	RESULT (mg/kg)	SAL (mg/kg)	EQL
7/21/91 70 ft from outfall, north edge of pond	RDX	100 000	4	100
7/21/91 90 ft from outfall, north edge of pond	RDX	340 000	4	100
11/15/91 90 ft from outfall, 12 in. from north edge	RDX	19 700	4	100
11/15/91 91 ft from outfall	RDX	700	4	100
11/15/91 91 ft from outfall, 2 in. deep	RDX	9 600	4	100
11/15/91 91 ft from outfall, 8 in. deep	RDX	7 100	4	100
11/15/91 91 ft from outfall, 13 in. deep	RDX	38 900	4	100
11/15/91 91 ft from outfall, 8 in. from edge, 13 in. deep	RDX	155 200	4	100
11/15/91 91 ft from outfall, 12 in. from edge, 13 in. deep	RDX	171 800	4	100
11/15/91 135 ft from outfall	RDX	1 900	4	100
11/15/91 210 ft from outfall	RDX	6 300	4	100
3/11/60 Pond center	TNT	13 000	15	NA
3/11/60 Pond center	TNT	13 000	15	NA
3/11/60 20 ft below dam	TNT	17 000	15	NA
3/11/60 30 ft below dam	TNT	7 000	15	NA
3/11/60 100 ft below dam	TNT	400	15	NA
3/11/60 150 ft below dam	TNT	200	15	NA
4/29/70 Outfall	TNT	0	15	NA
4/29/70 Pond center	TNT	37 000	15	NA
4/29/70 1 ft below dam	TNT	700	15	NA
4/29/70 Between dam and cliff	TNT	1 200	15	NA
4/29/70 Cliff	TNT	1 000	15	NA
11/18/70 10 ft from outfall	TNT	0	15	NA
11/18/70 Inlet to pond	TNT	1 000	15	NA
11/18/70 10 ft above dam	TNT	5 000	15	NA
11/18/70 5 ft below dam	TNT	2 000	15	NA
11/5/71 10 ft from outfall	TNT	0	15	NA
11/5/71 Pond inlet	TNT	0	15	NA
11/5/71 10 ft above dam	TNT	0	15	NA
11/5/71 10 ft below dam	TNT	0	15	NA
8/22/73 10 ft from outfall	TNT	0	15	NA
11/14/74 Outfall	TNT	0	15	NA
11/14/74 1 ft above dam	TNT	1 000	15	NA
11/14/74 50 ft below dam	TNT	2 000	15	NA

TABLE 5.2.3-1 (CONTINUED)

HIGH EXPLOSIVES IN THE TA-16-260 DRAINAGE CHANNEL BASED ON EXISTING DATA

SAMPLE ID	HIGH EXPLOSIVE	RESULT (mg/kg)	SAL (mg/kg)	EQL
12/5/75 10 ft from outfall	TNT	0	15	NA
12/5/75 1 ft above dam	TNT	0	15	NA
11/19/76 10 ft from outfall	TNT	0	15	NA
11/19/76 50 ft from outfall	TNT	1 000	15	NA
11/19/76 65 ft from outfall	TNT	3 000	15	NA
11/19/76 250 ft from outfall	TNT	3 000	15	NA
7/18/84 3 ft from outfall	TNT	0	15	NA
7/18/84 30 ft from outfall	TNT	9 000	15	NA
7/18/84 50 ft from outfall	TNT	23 000	15	NA
9/12/85 30 ft from outfall	TNT	1 000	15	NA
9/12/85 110 ft from outfall	TNT	48 000	15	NA
9/12/85 230 ft from outfall	TNT	1 000	15	NA
7/21/91 1 ft from outfall	TNT	700	15	100
7/21/91 20 ft from outfall	TNT	10 000	15	100
7/21/91 40 ft from outfall	TNT	< 100	15	100
7/21/91 45 ft from outfall	TNT	< 100	15	100
7/21/91 50 ft from outfall, center pool	TNT	< 100	15	100
7/21/91 60 ft from outfall, center pool	TNT	< 100	15	100
7/21/91 70 ft from outfall	TNT	6 000	15	100
7/21/91 80 ft from outfall	TNT	30 000	15	100
7/21/91 90 ft from outfall	TNT	20 000	15	100
7/21/91 110 ft from outfall	TNT	3 000	15	100
7/21/91 60 ft from outfall, north edge of pond	TNT	< 1 00	15	100
7/21/91 70 ft from outfall, north edge of pond	TNT	20 000	15	100
7/21/91 90 ft from outfall, north edge of pond	TNT	71 000	15	100
11/15/91 91 ft from outfall	TNT	300	15	100
11/15/91 91 ft from outfall, 2 in. deep	TNT	< 100	15	100
11/15/91 91 ft from outfall, 8 in. deep	TNT	2 200	15	100
11/15/91 91 ft from outfall, 13 in. deep	TNT	4 200	15	100
11/15/91 91 ft from outfall, 8 in. from edge, 13 in. deep	TNT	93 400	15	100
11/15/91 91 ft from outfall, 12 in. from edge, 13 in. deep	TNT	9 700	15	100
11/15/91 135 ft from outfall	TNT	300	15	100
11/15/91 210 ft from outfall	TNT	100	15	100

[a] Early HE determinations were by ultraviolet spectrophotometric methods that did not quantitatively distinguish RDX from HMX.
[b] SALs for HMX/RDX respectively.
[c] NA = Not available.
[d] Estimated from minimum reported values.

All samples are surface (0-6 in.) soil samples taken from drainage centerline unless otherwise indicated. Distances are approximate. Data are from Baytos (1970 to 1985, 15-16-278 to 15-16-268) and King (1991 15-16-381; 1992, 15-16-380).

5.2.4 Field Investigation

Surface laboratory samples were collected at 31 locations and subsurface samples were collected at 3 locations (Table 5.2.4-1 and Fig. 5.2.4-1). Three collocated/split duplicate samples were also collected. All laboratory samples were analyzed for HE, SVOCs, total uranium, and inorganics. Subsurface samples were also analyzed for volatiles. Four samples from two locations within the highly-contaminated zone were analyzed for waste characterization purposes by TCLP and for pesticides/herbicides. Samples in the center of the channel were collected at prescribed locations as delineated in the work plan (LANL 1993, 1094) and its notice of deficiency. Bounding samples were taken at 5 ft intervals along traverses located at 100 ft intervals from the outfall at HE-spot test screening locations that tested negative for HE.

All sampling locations were screened for HE by spot test, volatile organics by PID, and radionuclides by hand-held Sodium Iodide detector. Screening results above background are reported in Table 5.2.4-2. Samples that failed the HE spot test were also screened for TATB content by LANL group DX-2. Only one sample, (0316-95-0038) from PRS 16-021(c) contained measurable TATB. This sample contained 880 mg/kg of TATB. No SAL or toxicological data exists for this compound but due to its low solubility in all reagents, it is likely to be non-toxic. Additional HE positive results were found on the bounding traverses at the outfall, at 100 ft (1 positive), at 300 ft (3 positives), and at 400 ft (3 positives). These bounding locations do not have location or sample IDs, so they are not included in Table 5.2.4-2. The other screening results were nondetects or were within the background range.

A total of 37 laboratory samples, including duplicates, were collected at PRS 16-021(c) (Table 5.2.4-1). The subsurface PID screening did not result in elevated readings. Therefore the subsurface analytical samples were biased to the three areas believed to have the greatest possibility for contamination, at the outfall and at the two surface sample locations in the former HE-pond area. Laboratory duplicates were taken at surface locations 16-1382 and 16-1383 and at subsurface location 16-1379.

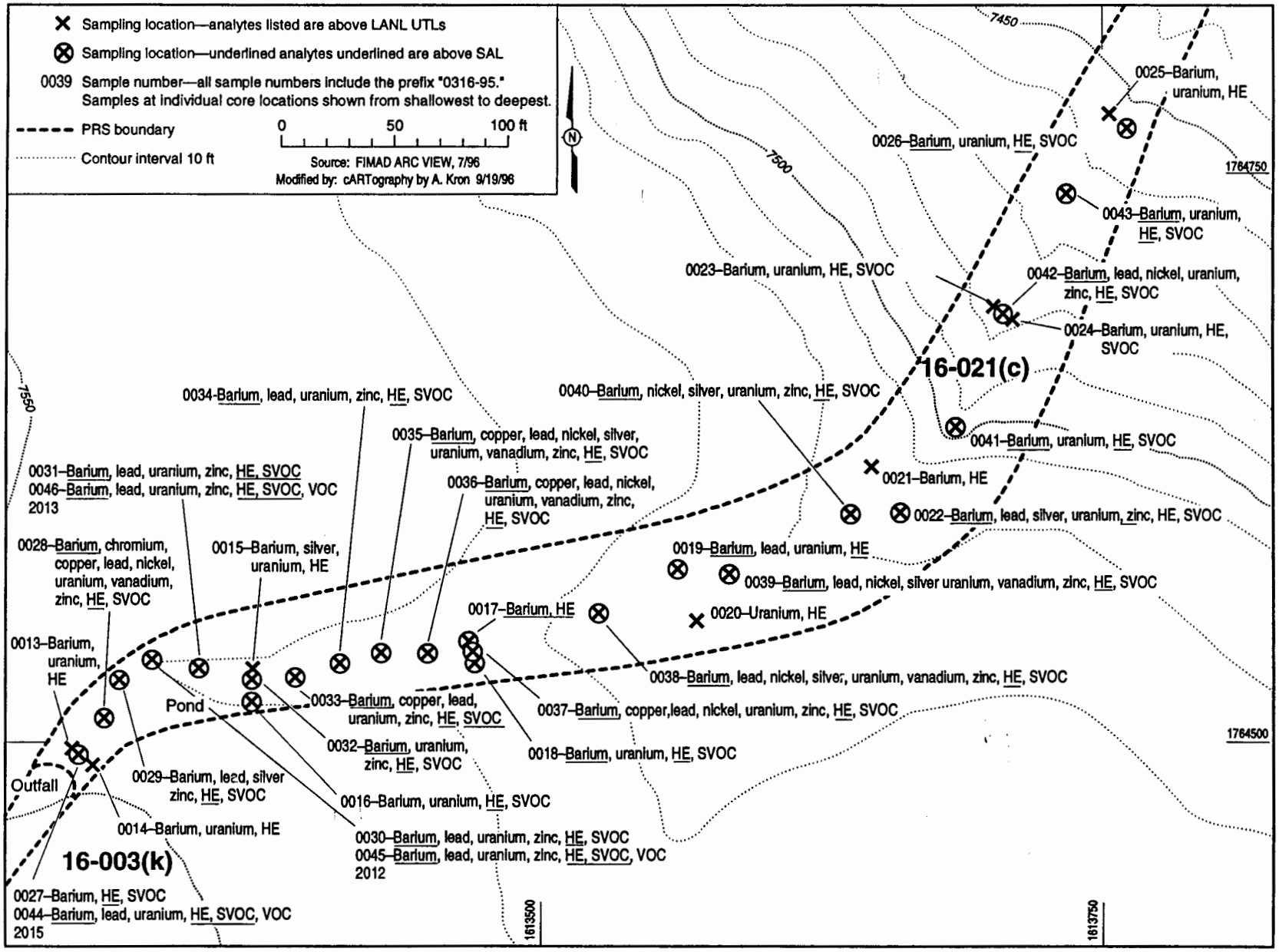

Fig. 5.2.4-1. PRS 16-021(c), HE sump drainage at TA-16-260.

TABLE 5.2.4-1

SUMMARY OF LABORATORY SAMPLES TAKEN AND REQUEST NUMBERS FOR PRS 16-021(c)

SAMPLE ID	LOCATION ID	DEPTH (ft)	MATRIX	HERB/ PEST	TCLP[a]	VOCs	SVOCs	HE	INORGs	URANIUM
0316-95-0013	16-1397	0-0.5	Soil	NA[b]	NA	NA	972	972	978	979
0316-95-0014	16-1396	0-0.5	Soil	NA	NA	NA	972	972	978	979
0316-95-0015	16-1399	0-0.5	Soil	NA	NA	NA	972	972	978	979
0316-95-0016	16-1398	0-0.5	Soil	NA	NA	NA	972	972	978	979
0316-95-0017	16-1401	0-0.5	Soil	NA	NA	NA	972	972	978	979
0316-95-0018	16-1400	0-0.5	Soil	NA	NA	NA	972	972	978	979
0316-95-0019	16-1403	0-0.5	Soil	NA	NA	NA	972	972	978	979
0316-95-0020	16-1402	0-0.5	Soil	NA	NA	NA	972	972	978	979
0316-95-0021	16-1405	0-0.5	Soil	NA	NA	NA	972	972	978	979
0316-95-0022	16-1404	0-0.5	Soil	NA	NA	NA	972	972	978	979
0316-95-0023	16-1407	0-0.5	Soil	NA	NA	NA	1222	1222	1223	1224
0316-95-0024	16-1406	0-0.5	Soil	NA	NA	NA	1222	1222	1223	1224
0316-95-0025	16-1409	0-0.5	Soil	NA	NA	NA	1222	1222	1223	1224
0316-95-0026	16-1408	0-0.5	Soil	NA	NA	NA	1222	1222	1223	1224
0316-95-0027	16-1379	0-0.5	Soil	NA	NA	NA	1268	1268	1269	1270
0316-95-0028	16-1380	0-0.5	Soil	NA	NA	NA	1268	1268	1269	1270
0316-95-0029	16-1381	0-0.5	Soil	NA	NA	NA	563	563	564	565
0316-95-0030	16-1382	0-0.5	Soil	563	563	NA	563	563	564	565
0316-95-0031	16-1383	0-0.5	Soil	563	563	NA	563	563	564	565
0316-95-0032	16-1384	0-0.5	Soil	NA	NA	NA	1268	1268	1269	1270
0316-95-0033	16-1385	0-0.5	Soil	NA	NA	NA	563	563	564	565
0316-95-0034	16-1386	0-0.5	Soil	NA	NA	NA	563	563	564	565
0316-95-0035	16-1387	0-0.5	Soil	NA	NA	NA	563	563	564	565
0316-95-0036	16-1388	0-0.5	Soil	NA	NA	NA	563	563	564	565
0316-95-0037	16-1389	0-0.5	Soil	NA	NA	NA	563	563	564	565
0316-95-0038	16-1390	0-0.5	Soil	NA	NA	NA	1268	1268	1269	1270
0316-95-0039	16-1391	0-0.5	Soil	NA	NA	NA	1268	1268	1269	1270
0316-95-0040	16-1392	0-0.5	Soil	NA	NA	NA	1268	1268	1269	1270
0316-95-0041	16-1393	0-0.5	Soil	NA	NA	NA	1268	1268	1269	1270
0316-95-0042	16-1394	0-0.5	Soil	NA	NA	NA	1268	1268	1269	1270
0316-95-0043	16-1395	0-0.5	Soil	NA	NA	NA	1268	1268	1269	1270
0316-95-0044	16-1379	1-1.5	Soil	NA	NA	1173	1173	1173	1174	1175
0316-95-0045	16-1382	1.5-1.9	Soil	NA	NA	1173	1173	1173	1174	1175
0316-95-0046	16-1383	1.7-2.2	Soil	NA	NA	1173	1173	1173	1174	1175
0316-95-2012	16-1382	0-0.5	Soil	563	563	NA	563	563	564	565
0316-95-2013	16-1383	0-0.5	Soil	563	563	NA	563	563	564	565
0316-95-2015	16-1379	1-1.5	Soil	NA	NA	1173	1173	1173	1174	1175

[a] TCLP = Toxicity characteristic leaching procedure
[b] NA = Not analyzed

TABLE 5.2.4-2

FIELD SCREENING RESULTS FOR PRS 16-021(c)

SAMPLE ID	LOCATION ID	SCREENING METHOD/ RESULT
0316-95-0016	16-1398	PID/ 18 ppm
0316-95-0018	16-1400	PID/ 20 ppm
0316-95-0027	16-1379	HE Spot Test/ positive
0316-95-0028	16-1380	HE Spot Test/ positive
0316-95-0029	16-1381	HE Spot Test/ positive
0316-95-0030	16-1382	HE Spot Test/ positive
0316-95-0031	16-1383	HE Spot Test/ positive
0316-95-0032	16-1384	HE Spot Test/ positive
0316-95-0033	16-1385	HE Spot Test/ positive
0316-95-0034	16-1386	HE Spot Test/ positive
0316-95-0035	16-1387	HE Spot Test/ positive
0316-95-0036	16-1388	HE Spot Test/ positive
0316-95-0037	16-1389	HE Spot Test/ positive
0316-95-0038	16-1390	HE Spot Test/ positive
0316-95-0039	16-1391	HE Spot Test/ positive
0316-95-0040	16-1392	HE Spot Test/ positive
0316-95-0041	16-1393	HE Spot Test/ positive
0316-95-0042	16-1394	HE Spot Test/ positive
0316-95-0043	16-1395	HE Spot Test/ positive
0316-95-0044	16-1379	HE Spot Test/ positive
0316-95-0045	16-1382	HE Spot Test/ positive
0316-95-0046	16-1383	HE Spot Test/ positive

5.2.5 Background Comparison

Barium, chromium, copper, lead, nickel, silver, uranium, vanadium, and zinc were found above background UTLs (Table 5.2.5-1). Barium was found at levels well above SALs. The highest barium values were found between 100 and 400 ft downgradient from the outfall, not in the former HE pond. Scattered high values (greater than 20 000 ppm) are found as far as 600 ft downgradient from the outfall. Barium values do not appear to exhibit systematic increases or decreases in concentration with depth. Other metals (copper, lead, nickel, zinc) and radionuclides (uranium) also appear to be concentrated in the 100–400 ft downgradient interval. Other low-level metals values are widely distributed. Duplicate recovery for several inorganic analytes (i.e barium, copper, chromium, lead, zinc) was consistently outside of the acceptable range, These data are P-qualified in Table 5.2.5-1. These data are acceptable for decision making purposes. Barium is well above SALs in virtually all P-qualified samples, and the other analytes are typically well-below SALs in the P-qualified samples. P-qualified samples are most common within the highly HE-contaminated areas, where sample heterogeneity is a significant problem.

TCLP data for four samples from two locations are presented in Table 5.2.5-2. All metals were below TCLP detection limits except barium and cadmium. Barium results were at a level roughly one-half the level at which the soil would qualify as a RCRA metals waste for barium (D005).

TABLE 5.2.5-1

INORGANIC ANALYTES AND URANIUM WITH CONCENTRATIONS GREATER THAN BACKGROUND UTLS FOR PRS 16-021(c)[a]

SAMPLE ID	DEPTH (ft)	SOIL/ ROCK UNIT	BARIUM (mg/kg)	CHROMIUM (mg/kg)	COPPER (mg/kg)	LEAD (mg/kg)	NICKEL (mg/kg)	SILVER (mg/kg)	TOTAL URANIUM (mg/kg)	VANADIUM (mg/kg)	ZINC (mg/kg)
LANL UTL (all soil)	N/A[b]	N/A	315	19.3	30.7	23.3	15.2	NA[c]	1.87	41.9	50.8
LANL UTL (Qbt4)	N/A	N/A	42	5.4	1.6	4	<2	<1	2.93	9.5	47
SAL	N/A	N/A	5 300	210	2 800	400	1 500	380	29	540	23 000
0316-95-0013	0–0.5	Soil	583 (J+P)[d,e]	14.8	9.4	15.2 (P)	11.5	0.62 (U)[f]	2.39	29.2	32.7
0316-95-0014	0–0.5	Soil	498 (J+P)	6.7	4.2	10.7 (P)	7.5	0.55 (U)	2.51	22.2	16.7
0316-95-0015	0–0.5	Soil	1 170 (J+P)	5	5.3	10.8 (P)	4.7	0.84	1.68	12.3	21.9
0316-95-0016	0–0.5	Soil	693 (J+P)	6.7	6.3	14.4 (P)	6.1	0.62 (U)	2.08	23.1	27
0316-95-0017	0–0.5	Soil		5.8	4.6	8.9 (P)	6	0.59 (U)	1.73	15.6	24.3
0316-95-0018	0–0.5	Soil		6.1	6.1	11.1 (P)	6.8	0.61 (U)	2.16	15.4	24.4
0316-95-0019	0–0.5	Soil		6.1	5.3	30.3 (P)	6.2	0.61 (U)	1.7	15.9	25.7
0316-95-0020	0–0.5	Soil	172 (J+P)	7.9	4.3	11.4 (P)	6.4	0.58 (U)	2.01	25.3	21.6
0316-95-0021	0–0.5	Soil	3 790 (J+P)	5	4.8	9.8 (P)	3.7	0.53 (U)	1.27	13.2	23.3
0316-95-0022	0–0.5	Soil		10	16.1	39.4 (P)	10.2	1.2	3.58	22.8	62.2
0316-95-0023	0–0.5	Soil	619 (J-P)[g]	4.8	7.3	19 (P)	4.3	0.63 (U)	3.62	12.4	21.8
0316-95-0024	0–0.5	Soil	412 (J-P)	3	5.2	14.3 (P)	2.2	0.53 (U)	2.92	7.6	24.1
0316-95-0025	0–0.5	Soil	3 000 (J-P)	4.8	5.1	10.1 (P)	3.9	0.59 (U)	2.48	16.7	23.9
0316-95-0026	0–0.5	Soil		6.8	12.1	16 (P)	8.3	0.85 (U)	3.18	21.2	42.7
0316-95-0027	0–0.5	Soil	5 270	9.5 (P)	9.3	18.7	10.3	0.64 (U)	1.82	26.7	46.3
0316-95-0028	0–0.5	Soil		26.8 (P)	40.5	107	37.3	0.985 (U)	3.17	55.7	226
0316-95-0029	0–0.5	Soil	2 730 (P))	4.5 (P)	10.4 (P)	27.2	2.9	0.59 (U)	2.2	11.4	86.1 (J+P)
0316-95-0030	0–0.5	Soil		9.5 (P)	19.9 (P)	36.7	11.2	0.66 (U)	3.25	24.3	104 (J+P)
0316-95-0031	0–0.5	Soil		11.7 (P)	25.2 (P)	43.1	10.9	0.73 (U)	5.77	33.7	116 (J+P)
0316-95-0032	0–0.5	Soil		9.1 (P)	12.5	19	6.3	0.61 (U)	3.11	28.5	85.2
0316-95-0033	0–0.5	Soil		16.8 (P)	35.9 (P)	58	12.8	0.75 (U)	5.07	40.1	150 (J+P)
0316-95-0034	0–0.5	Soil		9.6 (P)	17.5 (P)	35.5	13.3	0.67 (U)	6.98	24.8	76.8 (J+P)
0316-95-0035	0–0.5	Soil		16.4 (P)	31.8 (P)	57.8	51.9	1.1	6.39	48.8	152 (J+P)
0316-95-0036	0–0.5	Soil		18.9 (P)	38.5 (P)	47.3	16.3	0.75 (U)	6.43	42.5	151 (J+P)
0316-95-0037	0–0.5	Soil		15.1 (P)	31.3 (P)	46.5	30.1	1.6	8.71	40.7	133 (J+P)
0316-95-0038	0–0.5	Soil		18.3 (P)	26.8	46.3	25.9	4.1	4.84	48	139
0316-95-0039	0–0.5	Soil		11 (P)	9.5	38.8	31.9	1.31	2.94	42	68.2
0316-95-0040	0–0.5	Soil		13 (P)	17.5	22.4	21.3	0.95	6.69	37	76
0316-95-0041	0–0.5	Soil		4 (P)	4.8	14.2	6.5	0.57 (U)	2.58	21.8	44.8
0316-95-0042	0–0.5	Soil		10.5 (P)	14.4	33.8	20.1	0.63 (U)	4.08	29.9	62.6
0316-95-0043	0–0.5	Soil		6.2 (P)	5.6	22.5	5.1	0.62 (U)	2.73	25.8	42.3
0316-95-0044	1–1.5	Soil		9.7 (P)	11.8	46.2	11.8	0.67 (U)	4.08	31.7	46 (P)
0316-95-0045	1.5–2	Soil		7.1 (P)	8.8	46.5	10.8	0.70 (U)	2.53	27.3	53.7 (P)
0316-95-0046	1.7–2.2	Soil		12.2 (P)	22.4	48.5	8.9	0.75 (U)	4.21	30.5	97.9 (P)
0316-95-2012	0–0.5	Soil		10.5 (P)	17.8 (P)	38.6	9.9	0.64 (U)	4.3	28.2	100 (J+P)
0316-95-2013	0–0.5	Soil		11.2 (P)	20.1 (P)	41.2	9.4	0.71 (U)	4.32	32	112(J+P)
0316-95-2015	1–1.5	Soil		8.4 (P)	10.4	42.7	11.5	0.70 (U)	3.66	29.1	40.1 (P)

[a] Analytes within double-lines are greater than UTLs. Analytes with shaded background are at levels greater than SALs.
[b] N/A = Not applicable.
[c] NA = Not available.
[d] J+ = Analyte was positively identified and the result is likely to be biased high.
[e] P = Professional judgment needed prior to use of data in decision making.
[f] U = The analyte was not positively identified in the sample and the associated value is the sample-specific EQL/EDL.
[g] J = Analyte was positively identified but the associated numerical value is more uncertain than would normally be expected for the analysis.
[h] J- = Analyte was positively identified and the result is likely to be biased low.

TABLE 5.2.5-2

TCLP RESULTS AT PRS 16-021(C)

SAMPLE ID	DEPTH (ft)	SOIL/ ROCK UNIT	BARIUM (µg/L)	CADMIUM (µg/L)
TCLP LIMIT	NA[a]	NA	100 000	1 000
0316-95-0030	0–0.5	Soil	49 800	6.5
0316-95-0031	0–0.5	Soil	52 400	7.1
0316-95-2012	0–0.5	Soil	63 600	7.1
0316-95-2013	0–0.5	Soil	57 100	6.8

[a] Not applicable.

5.2.6 Evaluation of Organics

HE, SVOCs, and VOCs were all reported for this PRS (Table 5.2.6-1, 5.2.6-2, and 5.2.6-3). The HE DNT, HMX, RDX, TNB, and TNT were all present at levels above SALs. HMX, RDX, and TNT were all found at levels well above SALs in most samples collected along the centerline of the drainage. The SVOCs trichlorophenol, anthracene, benzoic acid, bis(2-ethylhexyl)phthalate, di-n-butylphthalate, phenanthrene, and pyrene were all detected. Anthracene and bis(2-ethylhexyl)phthalate were found at levels greater than SALs. As noted in Subsection 4, bis-(2ethylhexyl)phthalate was also found in the blanks for some SVOC analyses. Low-levels of several VOCs (acetone, dichlorobenzene, p-isopropyltoluene, sec-butlybenzene, trichloroethane, and trimethylbenzene) were also reported. Many of these constituents do not have adequate toxicological criteria to calculate SALs.

HMX levels are highest (greater than 100 000 ppm) in surface samples, particularly between 80 and 200 ft down drainage from the outfall. RDX levels are highest (greater than 50 000 ppm) in subsurface samples that were taken in the 0 to 100 ft interval. TNT is also at the highest levels (>30 000 ppm) in these subsurface samples. This increase in TNT and RDX concentration with depth may reflect either differing transport properties of TNT/RDX compared with HMX. Or, it may reflect that HMX has been used more heavily recently, whereas TNT/RDX were used more heavily during the 1950s and 1960s. Because of the chemical similarities between HMX and RDX, the latter explanation is more likely.

The SVOCs found at levels greater than SALs were also concentrated in the subsurface samples. The SVOCs, particularly anthracene, are most common in samples collected within 200 ft of the outfall in the center of the drainage channel. An exception in benzoic acid, which is found most commonly in bounding samples.

The sample-specific detection limits are high for many organic constituents in the highly-HE-contaminated samples. Low-levels of non-detected HE and SVOC analytes may be present in these samples at levels greater than SALs. The decision to identify virtually all HE constituents as COPCs in the main drainage at PRS 16-021(c) will not be affected by this analytical difficulty. SVOCs may be incorrectly identified as non-detected in samples where they occur. However, sufficient samples with low detection limits exist within the drainage that it is unlikely that a significant SVOC COPC was missed by the sampling. The sample-specific detection limits for bounding samples are at typical levels, so the decision whether an analyte is bounded in the drainage is probably correct.

TABLE 2.6-1

PRS 16-021(c) SOIL CONCENTRATIONS FOR HIGH EXPLOSIVES WITH VALUES GREATER THAN THE REPORTING LIMIT[a]

SAMPLE ID	DEPTH (ft)	2- ADNT (mg/kg)	4- ADNT (mg/kg)	1,3-DINITROBENZENE (mg/kg)	2,4-DINITROTOLUENE (mg/kg)	2,6-DINITROTOLUENE (mg/kg)	HMX (mg/kg)	NITROBENZENE (mg/kg)	3-NITROTOLUENE (mg/kg)	RDX (mg/kg)	1,3,5-TRINITROBENZENE (mg/kg)	2,4,6-TRINITROTOLUENE (mg/kg)
SAL	N/A[b]	NC[c]	NC	6.5	0.65	0.65	3300	33	NC	4	3.3	15
EQL	N/A	0.26	ND[d]	0.25	0.25	0.26	2.2	0.26	0.25	1	0.25	0.25
0316-95-0013	0–0.5	0.288	0.093 (U)[e]	0.07 (U)	0.058 (U)	0.081 (U)	22.4	0.092 (U)	0.157 (U)	1.38	0.088 (U)	0.091 (U)
0316-95-0014	0–0.5	0.077 (U)	0.092 (U)	0.069 (U)	0.057 (U)	0.08 (U)	0.822	0.091 (U)	0.155 (U)	0.175 (U)	0.085 (U)	0.09 (U)
0316-95-0015	0–0.5	0.274	0.091 (U)	0.068 (U)	0.057 (U)	0.08 (U)	8.26	0.09 (U)	0.154 (U)	0.541 (U)	0.084 (U)	0.09 (U)
0316-95-0016	0–0.5	0.265	0.093 (U)	0.07 (U)	0.058 (U)	0.081 (U)	16.5	0.092 (U)	0.157 (U)		0.088 (U)	0.091 (U)
0316-95-0017	0–0.5	25.4	20.1	0.069 (U)	0.446	0.08 (U)	2 590	0.091 (U)	0.155 (U)		0.199	
0316-95-0018	0–0.5	42.2	21.6	0.07 (U)		0.081 (U)	172	0.092 (U)	2.12		0.086 (U)	5.45
0316-95-0019	0–0.5	2.82	1.63	0.069 (U)	0.305	0.081 (U)	38.3	0.091 (U)	0.156 (U)		0.085 (U)	0.091 (U)
0316-95-0020	0–0.5	0.077 (U)	0.091 (U)	0.069 (U)	0.057 (U)	0.08 (U)	4.02	0.091 (U)	0.155 (U)	0.175 (U)	0.085 (U)	0.09 (U)
0316-95-0021	0–0.5	6.38	2.49	0.069 (U)	0.407	0.08 (U)	1.89	0.091 (U)	0.155 (U)	0.348	0.085 (U)	0.09 (U)
0316-95-0022	0–0.5	27.7	17.9	0.072 (U)		0.084 (U)	367	1.2	0.182 (U)	2.44	0.089 (U)	0.094 (U)
0316-95-0023	0–0.5	0.078 (U)	0.093 (U)	0.07 (U)	0.058 (U)	0.081 (U)	0.989	0.092 (U)	0.157 (U)	0.178 (U)	0.088 (U)	0.091 (U)
0316-95-0024	0–0.5	0.079 (U)	0.094 (U)	0.071 (U)	0.059 (U)	0.082 (U)	0.404	0.093 (U)	0.159 (U)	0.18 (U)	0.087 (U)	0.092 (U)
0316-95-0025	0–0.5	2.8	1.69	0.07 (U)	0.144	0.081 (U)	108	0.092 (U)	0.157 (U)	1.21	0.088 (U)	0.091 (U)
0316-95-0026	0–0.5	82.7	64.1	0.072 (U)		0.084 (U)	378	0.095 (U)	0.162 (U)		0.129	
0316-95-0027	0–0.5	6.55	8.85	0.09 (U)	0.122	0.105 (U)	1 360	0.119 (U)	0.203 (U)		0.111 (U)	
0316-95-0028	0–0.5	5.26	0.237 (U)	0.094 (U)		0.208 (U)		0.235 (U)	0.401 (U)		0.488	
0316-95-0029	0–0.5	2.29 (U)	5.31	0.204 (U)	0.239	0.238 (U)		0.269 (U)	0.48 (U)	5.2 (U)	0.251 (U)	
0316-95-0030	0–0.5	14	3.11 (U)	2.34 (U)	1.94 (U)	2.73 (U)		3.09 (U)	5.27 (U)		2.88 (U)	
0316-95-0031	0–0.5	40.2	22.8 (U)	17.1 (U)	14.2 (U)	20 (U)		22.8 (U)	38.5 (U)		21.1 (U)	
0316-95-0032	0–0.5	41.4	0.586 (U)	0.425 (U)		0.496 (U)		0.561 (U)	0.958 (U)		0.524 (U)	
0316-95-0033	0–0.5	28	8.18 (U)	6.15 (U)	5.1 (U)	7.17 (U)		8.11 (U)	13.8 (U)		7.57 (U)	
0316-95-0034	0–0.5	27.8	17 (U)	2.52 (U)	2.09 (U)	2.94 (U)		3.33 (U)	5.68 (U)		3.11 (U)	
0316-95-0035	0–0.5	25.6	3.51 (U)	2.64 (U)	2.19 (U)	3.08 (U)		3.48 (U)	5.94 (U)		3.25 (U)	
0316-95-0036	0–0.5	59.6	36 (U)	27.1 (U)	22.5 (U)	31.6 (U)		35.7 (U)	61 (U)		33.4 (U)	
0316-95-0037	0–0.5	35.9	3.27 (U)	2.46 (U)	2.04 (U)	2.87 (U)		3.24 (U)	5.54 (U)		3.03 (U)	
0316-95-0038	0–0.5	38.3	34.7	0.501 (U)		0.584 (U)		0.66 (U)	1.13 (U)		0.617 (U)	
0316-95-0039	0–0.5	11.5	10.1	0.085 (U)	0.308	0.144	2 750	0.112 (U)	0.191 (U)		0.276	
0316-95-0040	0–0.5	64.4	60.8	0.676 (U)		0.788 (U)		0.891 (U)	1.52 (U)		0.833 (U)	
0316-95-0041	0–0.5	13.2	10.5	0.405 (U)		0.472 (U)		0.534 (U)	0.912 (U)		0.499 (U)	
0316-95-0042	0–0.5	38.2	33	0.446 (U)		0.537		0.588 (U)	1 (U)		0.735	
0316-95-0043	0–0.5	33.1	27.3	0.435 (U)		0.507 (U)		0.573 (U)	0.979 (U)		0.535 (U)	14.3
0316-95-0044	1–1.5	0.782 (U)	0.928 (U)	0.698 (U)		0.814 (U)		0.92 (U)	1.57 (U)		1.66	
0316-95-0045	1.5–2	0.392 (U)	0.465 (U)	2.04		0.408 (U)		0.461 (U)	0.787 (U)			
0316-95-0046	1.7–2.2	1.97 (U)	2.34 (U)	1.76 (U)		2.05 (U)		2.32 (U)	3.96 (U)	116000 (U)		
0316-95-2012	0–0.5	17.2	8.4 (U)	6.32 (U)	5.24 (U)	7.37 (U)		8.33 (U)	14.2 (U)		7.78 (U)	
0316-95-2013	0–0.5	32.5 (U)	38.8 (U)	29 (U)	24.1 (U)	33.9 (U)		38.3 (U)	65.4 (U)		35.8 (U)	
0316-95-2015	1–1.5	1.96 (U)	2.32 (U)	1.75 (U)	1.45 (U)	2.04 (U)		2.3 (U)	3.93 (U)		2.15 (U)	

[a] Analytes within double-lines are greater than EQLs. Analytes with shaded background are at levels greater than SALs.
[b] N/A = Not applicable.
[c] NC = Not calculated.
[d] ND = Not determined.
[e] U = Analyte not positively identified in sample and the associated numerical value is the sample-specific EQL/EDL.

TABLE 5.2.6-2

PRS 16-021(c) SOIL CONCENTRATIONS FOR SEMI-VOLATILE ORGANIC ANALYTES WITH VALUES GREATER THAN THE REPORTING LIMIT[a]

SAMPLE ID	DEPTH (ft)	2,4,6-Trichlorophenol (mg/kg)	2,4-Dinitrotoluene (mg/kg)	2,6-Dinitrotoluene (mg/kg)	Anthracene (mg/kg)	Benzoic Acid (mg/kg)	Bis(2-Ethylhexyl)Phthalate (mg/kg)	Di-N-Butylphthalate (mg/kg)	Phenanthrene (mg/kg)	Pyrene (mg/kg)
SAL	N/A[b]	40	0.65	0.65	19	100 000	32	6 500	NC[c]	2 000
EQL	N/A	0.33	0.33	0.33	0.33	3.3	0.33	0.33	0.33	0.33
0316-95-0016	0–0.5	0.41 (U)[d]	0.41 (U)	0.41 (U)	0.41 (U)	0.08 (J)[e]	0.41 (U)	0.41 (U)	0.41 (U)	0.41 (U)
0316-95-0017	0–0.5	0.39 (U)	0.1 (J)	0.39 (U)	0.39 (U)	3.9 (U)	0.39 (U)	0.39 (U)	0.39 (U)	0.39 (U)
0316-95-0018	0–0.5	0.82 (U)	0.31 (J)	0.82 (U)	0.82 (U)	0.13 (J)	0.82 (U)	0.82 (U)	0.82 (U)	0.82 (U)
0316-95-0021	0–0.5	0.39 (U)	0.5	0.39 (U)	0.39 (U)	3.9 (U)	0.39 (U)	0.39 (U)	0.39 (U)	0.39 (U)
0316-95-0022	0–0.5	0.53 (U)		0.53 (U)	0.53 (U)	0.43 (J)	1.9 (U)	0.53 (U)	0.53 (U)	0.53 (U)
0316-95-0023	0–0.5	0.43 (U)	0.43 (U)	0.43 (U)	0.43 (U)	0.12 (J)	0.43 (U)	0.43 (U)	0.43 (U)	0.43 (U)
0316-95-0024	0–0.5	0.33 (U)	0.33 (U)	0.33 (U)	0.33 (U)	0.07 (J)	0.16 (J)	0.33 (U)	0.33 (U)	0.33 (U)
0316-95-0025	0–0.5	0.39 (U)	0.094 (J)	0.39 (U)	0.39 (U)	3.9 (U)	0.39 (U)	0.39 (U)	0.39 (U)	0.39 (U)
0316-95-0026	0–0.5	0.58 (U)	0.5 (J)	0.084 (J)	0.58 (U)	0.12 (J)	0.58 (U)	0.58 (U)	0.58 (U)	0.58 (U)
0316-95-0027	0–0.5	0.048 (J)	0.048 (J)	0.44 (U)	0.44 (U)	4.4 (U)	0.41 (J)	0.44 (U)	0.44 (U)	0.44 (U)
0316-95-0028	0–0.5	13 (U)	13 (U)	13 (U)	13 (U)	130 (U)	4 (J)	13 (U)	13 (U)	13 (U)
0316-95-0029	0–0.5	0.4 (U)	0.09 (J)	0.4 (U)	0.4 (U)	4 (U)	2.1 (B)[f]	0.054 (J)	0.4 (U)	0.4 (U)
0316-95-0030	0–0.5	2.3 (U)	0.39 (J)	0.44 (J)	2.3 (U)	23 (U)	9.3 (B)	2.3 (U)	0.44 (J)	2.3 (U)
0316-95-0031	0–0.5	9.6 (U)	9.6 (U)	9.6 (U)	3.3 (J,PM)[g]	96 (U)		9.6 (U)	9.6 (U)	9.6 (U)
0316-95-0032	0–0.5	2 (U)	0.61 (J)	2 (U)	2 (U)	20 (U)	16	2 (U)	4.6	2 (U)
0316-95-0033	0–0.5	10 (U)	10 (U)	10 (U)	6.1 (J)	100 (U)		10 (U)	10 (U)	10 (U)
0316-95-0034	0–0.5	9.2 (U)	9.2 (U)	9.2 (U)	0.95 (J,PM)	92 (U)	23 (U)	9.2 (U)	9.2 (U)	9.2 (U)
0316-95-0035	0–0.5	10 (U)	10 (U)	10 (U)	1.1 (J,PM)	100 (U)	15 (U)	10 (U)	10 (U)	10 (U)
0316-95-0037	0–0.5	4.8 (U)		4.8 (U)	0.87 (J)	48 (U)	12 (U)	4.8 (U)	4.8 (U)	4.8 (U)
0316-95-0038	0–0.5	0.45 (U)	0.79	0.34 (J)	0.45 (U)	4.5 (U)	4.8	0.45 (U)	0.23 (J)	0.071 (J)
0316-95-0039	0–0.5	0.81 (U)	0.2 (J)	0.81 (U)	0.81 (U)	8.1 (U)	0.59 (J)	0.81 (U)	0.81 (U)	0.81 (U)
0316-95-0040	0–0.5	0.51 (U)	0.5 (J)	0.2 (J)	0.51 (U)	5.1 (U)	1.4	0.51 (U)	0.51 (U)	0.51 (U)
0316-95-0041	0–0.5	0.39 (U)	0.28 (J)	0.089 (J)	0.39 (U)	3.9 (U)	0.77	0.39 (U)	0.052 (J)	0.39 (U)
0316-95-0042	0–0.5	0.44 (U)	0.33 (J)	0.1 (J)	0.44 (U)	4.4 (U)	0.86	0.44 (U)	0.44 (U)	0.44 (U)
0316-95-0043	0–0.5	0.43 (U)	0.28 (J)	0.053 (J)	0.43 (U)	4.3 (U)	0.45	0.43 (U)	0.43 (U)	0.43 (U)
0316-95-0044	1–1.5	110 (U)	110 (U)	110 (U)	110 (U)	1 100 (U)		110 (U)	110 (U)	110 (U)
0316-95-0045	1.5–1.9	120 (U)	120 (U)	120 (U)		1 200 (U)	120 (U)	120 (U)	120 (U)	120 (U)
0316-95-0046	1.7–2.2	130 (U)	130 (U)	130 (U)		1 300 (U)		130 (U)	130 (U)	130 (U)
0316-95-2012	0–0.5	8.7 (U)	8.7 (U)	8.7 (U)	1.9 (J)	87 (U)	26 (U)	8.7 (U)	8.7 (U)	8.7 (U)
0316-95-2013	0–0.5	9 (U)		9 (U)	6.2 (J)	90 (U)		9 (U)	9 (U)	9 (U)

[a] Analytes within double-lines are greater than EQLs. Analytes with black background are at levels greater than SALs.
[b] N/A = Not applicable.
[c] NC = Not calculated
[d] U = Analyte not positively identified in sample and the associated numerical value is the sample-specific EQL/EDL.
[e] J = Analyte positively identified and associated numerical value is more uncertain than would normally be expected for the analysis.
[f] PM =Professional judgment should be used in applying the data to decision maki[illegible] manual review of data suggested.
[g] B = Found in blank.

TABLE 5.2.6-3

PRS 16-021(c) SOIL CONCENTRATIONS FOR VOLATILE ORGANIC ANALYTES WITH VALUES GREATER THAN THE REPORTING LIMIT[a]

SAMPLE ID	DEPTH (ft)	Acetone (mg/kg)	1,2-dichlorobenzene (mg/kg)	p-isopropyltoluene (mg/kg)	sec-butylbenzene (mg/kg)	1,1,1-trichloroethane (mg/kg)	1,2,4-trimethylbenzene (mg/kg)
SAL	N/A[b]	2 000	2 300	NC[c]	NC	3 000	8
EQL	N/A	0.2	0.05	0.05	0.05	0.05	0.05
0316-95-0044	1–1.5	0.06 (J)[d]	0.007 (UJ)[e]	0.022 (J)	0.007 (UJ)	0.007 (UJ)	0.007 (UJ)
0316-95-0045	1.5–1.9	0.016 (J)	0.007 (UJ)	0.051 (J)	0.007 (UJ)	0.007 (U)	0.052 (J)
0316-95-0046	1.7–2.2	0.031 (UJ)	0.005 (J)	0.008 (UJ)	0.008 (UJ)	0.014 (J)	0.008 (J)
0316-95-2015	1–1.5	0.014 (J)	0.007 (U)	0.007 (U)	0.007 (U)	0.007 (U)	0.007 (U)

[a] Analytes within double-lines are greater than EQLs.
[b] N/A = Not applicable.
[c] NC = Not calculated.
[d] J = Analyte positively identified and associated numerical value is more uncertain than would normally be expected for the analysis.
[e] U = Analyte not positively identified in sample and the associated numerical value is the sample-specific EQL/EDL.

TCLP organic results showed no constituents above analytical detection limits.

5.2.7 Human Health Assessment

5.2.7.1 Screening Assessment

The noncarcinogens barium, HMX, TNB, and anthracene were found at levels greater than SALs (Table 5.2.5-1, 5-2.6-1 and 5.2.6-2). The carcinogens DNT, RDX, TNT, and bis(2-ethylhexyl)phthalate were also found at levels greater than SALs (Table 5.2.6-1, 5.2.6-2). All of these constituents will be carried through the RFI/CMS process as COPCs. No radionuclides were found at levels greater than SALs.

MCEs were performed for both carcinogens and non-carcinogens that were not already identified as COPCs.

Noncarcinogenic contaminants identified to be greater than LANL background UTLs but below SALS were submitted for an MCE for noncarcinogenic effects. Lead is excluded from this grouping because its toxicity is based on the uptake of lead in children as modeled by EPA's IUBEK Model (EPA 1994, 1178). The sum of the maxima for the noncarcinogenic group is 0.51, which is well below the target value of 1, indicating a low potential for adverse effects due to exposure to this grouping (Table 5.2.7.1-1).

Carcinogenic contaminants with levels greater than LANL background UTLs but below SALs were submitted for an MCE for carcinogenic effects. The sum of the maxima for the carcinogenic group is 0.13, well below the target value of 1. This indicates a low potential for adverse effects due to exposure to carcinogens other than those already identified as COPCs because these carcinogens are at levels above SALs (Table 5.2.7.1-2).

Only a single radionuclide, uranium, was identified at levels above background, so no MCE was performed for the radionuclides.

TABLE 5.2.7.1-1

MCE FOR NONCARCINOGENIC EFFECTS AT PRS 16-021(c)

CONTAMINANT	MAXIMUM SOIL CONCENTRATION (mg/kg)	SOIL SAL (mg/kg)	CONCENTRATION NORMALIZED TO SAL
Copper	40.5	2 800	0.014
Nickel	37.3	1 500	0.025
Silver	4.1	383	0.011
Vanadium	55.7	540	0.10
Zinc	226	23 000	0.003
1,3-Dinitrobenzene	2.04	6.5	0.31
Nitrobenzene	1.2	33	0.036
3-Nitrotoluene	2.12	650	0.0033
Benzoic acid	0.43	100 000	0.000004
Di-n-butylphthalate	0.054	6 500	0.000008
Pyrene	0.071	2 000	0.00004
Acetone	0.067	2 000	0.00003
1,2 Dichlorobenzene	0.007	2 300	0.000003
1,2,4-Trimethylbenzene	0.052	8	0.0065
1,1,1-Trichloroethane	0.014	3 000	0.000005
Total			0.51

TABLE 5.2.7.1-2

MCE FOR CARCINOGENIC EFFECTS AT PRS 16-021(c)

CONTAMINANT	MAXIMUM SOIL CONCENTRATION (mg/kg)	SOIL SAL (mg/kg)	CONCENTRATION NORMALIZED TO SAL
Chromium	26.8	210	0.13
2,4,6-Trichlorophenol	0.048	40	0.0012
Total			0.13

5.2.7.2 Risk Assessment

No human health risk assessment was performed at this PRS. A human health risk assessment is not needed to define the decision. A CMS/CMI will be required. The constituents RDX, HMX, and TNT are present at levels several orders of magnitude greater than SALs over much of the area of PRS 16-021(c). A human health risk assessment under either a residential or industrial scenario would yield carcinogenic and systemic risks far greater than the EPA's target range of 10^{-4} to 10^{-6} for carcinogens and a hazard index of 1 for systemic toxicants. In addition, the distribution of contaminant concentrations is so non-normal that a realistic 95 UCL on the mean, as prescribed in Risk Assessment Guidance for Superfund (RAGS) (EPA 1989, 0305) guidance, cannot legitimately be calculated. Using maximum concentrations in lieu of 95 UCLs, as is done for background constituents with non-normal or non-log normal distributions, suggests that risks are on the order of 10^{-2} and 10^{-3} for RDX and TNT and a hazard index greater than 1 for HMX under an industrial scenario. In addition, the high levels of HE in the soil (greater than 5 wt %) suggest that the soils pose an acute (explosive) hazard not just a chronic hazard to receptors.

A more detailed baseline risk assessment, which includes Phase II information on surface and groundwaters, may be completed as part of the CMS/CMI process.

5.2.8 Preliminary Ecological Assessment

In accordance with conversations between LANL ER Project personnel, DOE/LAAO, and the regulators, discussion of ecological risk assessment methodology will be deferred until the Ecological Exposure Unit (Ecozone) methodology that is being developed by LANL in conjunction with EPA Region 6 and the NMED has been approved by the regulators.

PRS 16-021(c) is known to have impacted ecological receptors. Dead trees are present in the drainage that are almost certainly due to impacts of COPCs from the outfall.

5.2.9 Extent of Contamination

The extent of contamination is not fully characterized for PRS 16-021(c) in either the lateral or vertical directions. None of the COPCs were bounded in the vertical direction. Table 5.2.9-1 and Fig. 5.2.9-1 indicate the status of lateral bounding relative to SALs for COPCs identified as part of the screening assessment.

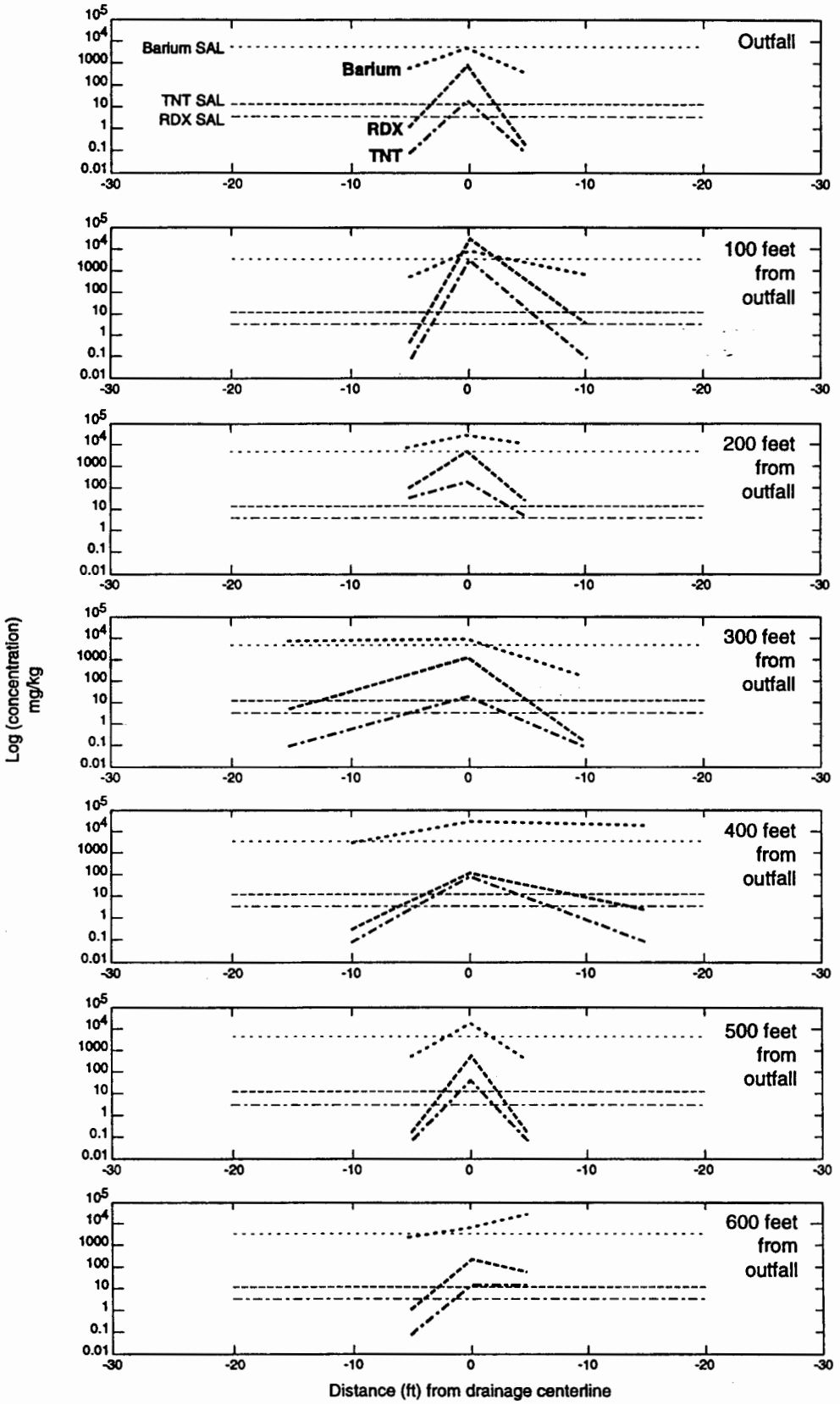

Fig. 5.2.9-1. Centerline and lateral bounding sample concentrations for barium, RDX, and TNT at PRS 16-021(c).

TABLE 5.2.9-1

STATUS OF LATERAL BOUNDING FOR PRS 16-021(c)

COPC	OUTFALL	100 FT	200 FT	300 FT	400 FT	500 FT	600 FT
Barium	Yes	Yes	No	No	No	Yes	No
DNT	Yes	Yes	No	Yes	No	Yes	Yes
HMX	Yes	Yes	Yes	Yes	Yes	Yes	Yes
RDX	Yes	Yes	No	No	Yes	Yes	No
TNB	Yes	Yes	Yes	Yes	Yes	Yes	Yes
TNT	Yes	Yes	No	Yes	Yes	Yes	Yes
Anthracene	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Bis(2-ethylhexyl) phthalate	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Lateral traverses at the outfall, 100 ft, and 500 ft are bounded with more certainty for all COPCs. Traverses at 300 ft and 400 ft have COPCs at levels only slightly greater than SALs for barium, RDX, and DNT in lateral bounding samples. These traverses are bounded relative to EPA Region 9 industrial PRGs. Traverses at 200 and 600 ft have RDX in lateral bounding samples at levels significantly greater than SALs and EPA Region 9 industrial PRGs. Phase II sampling will focus on these traverses.

The extent of COPCs due to releases at PRS 16-021(c) to surface and groundwater is also unknown, and will be investigated as described in the Phase II sampling and analysis plan.

5.2.10 Conclusions and Recommendations

PRS 16-021(c) is contaminated with several constituents at levels that present a risk to human health and the environment. BMPs have been implemented at the PRS to minimize migration of COPCs to surface and groundwater.

COPCs identified in the screening assessment include: barium, DNT, HMX, RDX, TNB, TNT, anthracene, and bis(2-ethylhexyl)phthalate. Of these COPCs, barium, DNT, HMX, RDX, and TNT are widely distributed along the centerline of the drainage at PRS 16-021(c) from the outfall for at least a distance of 600 ft downgradient. The other COPCs are present in localized zones. The contaminated zone ranges up to 25 ft wide in traverses where bounding relative to SALs was achieved. At 200 ft and 600 ft the zone may be greater than 25 ft wide. Vertical bounding and knowledge the extent of contamination of downgradient surface and groundwater were not achieved in the Phase I sampling.

An explicit human health risk assessment for PRS 16-021(c) was not completed as part of Phase I characterization. It is clear, however, that both carcinogenic and noncarcinogenic risks are at unacceptable levels under any realistic exposure scenario for a distance of 600 ft down the drainage from the TA-16-260 outfall. Acute (explosive) risks are also present due to levels of HE in soil that are above explosive limits.

Potential waste types for PRS 16-021(c) may include D003 (RCRA reactive), D005 (TCLP for barium), and D030 (TCLP for 2,4 DNT). Radioactive and mixed waste are also possible due to the small amounts of uranium found at some locations.

This PRS is recommended for continued sampling to support a CMS. The sampling and analysis plan is provided in Subsection 5.2.11 of this report. Goals of this sampling are to determine extent of COPCs needing remediation and the impacts of COPCs from PRS 16-021(c) on surface and groundwater.

This PRS is also recommended for a CMS. Levels of COPCs present a risk to human health and the environment. Surface and groundwater in the vicinity of PRS 16-021(c) have been impacted at levels greater than MCLs, and that PRS is the most likely source for the water contamination. At the present time, there is no obvious, simple, or presumptive remedy for cleanup of COPCs, so VCA or expedited cleanup are not plausible decisions. A CMS is required. A CMS plan will be submitted to the NMED by September 30, 1997.

5.2.11 Phase II Sampling and Analysis Plan for PRS 16-021(c)

5.2.11.1 Problem Definition

Phase I sampling at the TA-16-260 outfall, PRS 16-021(c), included only surface samples of soils from the drainage below the outfall, plus a few near-surface samples (not more than 2 ft in depth) in the pond area within 100 ft of the outfall. Very high levels of HMX, RDX, TNT and barium, together with elevated levels of other HE, HE byproducts, and inorganics, were found in many of these samples, from the outfall down to the end of the drainage in Cañon de Valle. Concentrations of the major contaminants appeared to be decreasing with distance from the outfall, but the concentrations in near-surface samples were sometimes larger than on the surface, as discussed in Section 5.2.6.

HE contamination has also been observed in several TA-16 springs and seeps. Some springs and seeps emerge on the slopes of Cañon de Valle within 1 000 ft of the TA-16-260 outfall. Others are on the southeast side of TA-16. Whether any of these springs are hydrologically connected to the TA-16-260 area is not known. There are several other potential sources of

HE contamination at TA-16 that could be affecting springs both in Cañon de Valle and to the southeast. Existing surface and groundwater data are presented in Appendix C and summarized in Subsection 2 of this report.

Because the available information is limited, additional RFI investigations are being proposed in this Phase II sampling and analysis plan. This additional data will provide the information that is needed to prepare a CMS plan for source removal at the TA-16-260 outfall and that supports remediation or monitoring of perched groundwater and alluvial groundwater. This work will also provide data to support a baseline risk assessment, a required component of CMS planning. Specific questions and associated decisions to be addressed in Phase II include.

1) What are the lateral and vertical extents of contaminated soils requiring remediation at the outfall?

   Neither the lateral nor the vertical extent of contamination was entirely bounded by Phase I sampling. Any of the remediation options likely to be considered in CMS planning, including bioremediation, are expected to require at least temporary removal of the soil to be treated. Phase II sampling is designed to provide an upper bound on the amount and waste types of soil requiring remediation.

   The decision that will be affected by these data is what the ultimate cost of remediation will be under different remediation scenarios explored under a CMS. It is likely that different remediation methods will be more cost-effective, depending on the total volume and type of waste that needs to be remediated. These data will also facilitate waste minimization/segregation efforts.

2) What groundwater pathways, if any, connect the TA-16-260 outfall to TA-16 perched aquifers, seeps, and springs?

   As mentioned above, HE contamination has been observed both at springs near the TA-16-260 outfall [e.g., the sanitary wastewater system consolidation (SWSC) Line and Burning Ground Springs] and at more distant springs (Martin Spring, Fish Ladder Seep). There are unanswered questions both about the hydrologic connectivity between the TA-16-260 outfall and these springs and about the connections between these springs and other potential sources of HE contamination. The Phase II studies proposed below extend preliminary work in which springs, streams, and outfalls have been sampled on an irregular basis.

In particular, these studies will identify COPCs, if any, in perched aquifers that might require remediation, and assist in the siting of potential long-term monitoring wells and in designing a systematic monitoring program. Although deep groundwaters are not being investigated in this sampling and analysis plan, these studies will also support future investigations of deep groundwater at TA-16 that will be completed as part of site-wide hydrogeologic studies.

The decisions associated with these data are the following. 1) If the groundwater pathways connecting the TA-16-260 outfall with springs are identified and contain constituents at levels greater than MCLs, then implement groundwater monitoring in those pathways. 2) If the TA-16-260 outfall is shown to be contributing constituents to intermediate perched groundwater that present a current or future risk to human health and the environment, then evaluate appropriate remedial actions within the context of the CMS. A plausible remediation option for perched groundwater is pump and treat. Conceptual models for risk assessments at TA-16 are presented in the RFI work plan for OU 1082 (LANL 1993, 1094). 3) If groundwater pathways connecting the TA-16-260 outfall with springs are not identified, then examine other TA-16 discharge areas associated with other PRSs as potential sources.

3) What is the impact of contamination released through the TA-16-260 outfall on surface and alluvial water in Cañon de Valle?

Surface water and sediment sampling in Cañon de Valle are proposed in Subsection 5.9 of the work plan. That sampling will be supplemented in this sampling and analysis plan by alluvial wells in Cañon de Valle and by additional sediment and water samples in Cañon de Valle. The siting of this well is strongly constrained by access considerations and it will not be possible to distinguish the TA-16-260 outfall contribution from that of other sources to the west of MDA-P, such as the former 90s-Line outfalls. However, if it appears that remediation of sediment or water in Cañon de Valle may be required, this will be addressed in the CMS plan for PRS 16-021(c).

The decision associated with these data is: if contamination in surface and alluvial water or sediments present a current or future risk to human health and the environment under realistic exposure scenarios, then implement appropriate

corrective action (interim action or remediation). Ecological risk assessment will be considered where appropriate.

A decision flow diagram for this sampling and analysis plan is presented in Fig. 5.2.11-1.

In addition to the investigations described in this document, upcoming RFI Phase I sampling scheduled for other PRSs may be augmented to determine the vertical extent of contamination at those sites that may have affected shallow perched groundwaters at TA-16: the V-Site pond (PRS 16-029(x), Subsection 5.25 in the work plan); the 90s-Line pond (PRS 16-008(a), Subsection 5.12 in the work plan); and the 300-Line outfall (PRS 16-003(d-g), Subsection 5.2 in the work plan) (LANL 1993, 1094; LANL 1994, 1160; LANL 1995, 1342). The RFI Phase I sampling plans for these sites presented in the work plan are intended primarily to identify the COPCs and obtain samples representing the highest levels of contamination present. These sampling plans may be augmented by boreholes and subsurface sampling in order to bound the vertical extent of contamination, and additional surface locations may be sampled in order to bound the lateral extent of contamination if necessary. The decision to collect additional sampling data will be based on evaluation of RFI sampling data. If constituent levels are not bounded in the vertical direction during RFI sampling, then additional samples will be collected. If remediation appears to be required at these sites, Phase II RFI sampling and analysis plans, VCA plans or expedited cleanup (EC) plans will be prepared as needed.

5.2.11.2 Sampling and Analysis Plan (SAP) Design

Seven components of RFI Phase II studies are described in the following subsections. They include a geological/geophysical survey, surface and subsurface sampling in and near the TA-16-260 outfall, mesa-top wells, alluvial wells in Cañon de Valle, additional sampling beyond that described in the work plan in Cañon de Valle, and systematic spring and seep sampling supporting tracer studies.

5.2.11.2.1 Geological/Geophysical Surveys

A geologic map of Bandelier Tuff units and subunits will be prepared for the north portion of TA-16. This mapping will focus on Cañon de Valle within one mile of TA-16-260. Other mapping will be reconnaissance in nature and will be tied to the existing map of Rogers (Rogers 1995, 1353) and the three-dimensional site-wide stratigraphic model. Emphasis of this mapping will be on the nature, structural dips, and continuity of units identified as potential high permeability units (i.e., the surge beds within Unit 4 and the spring-bearing units within the horizontal-fractured subunit of Unit 3). A detailed stratigraphic log, including whole-rock chemical analyses, will be completed near TA-16-260 for lithologic correlation purposes. Fracture characterization will be completed in Cañon de Valle near PRS 16-021(c).

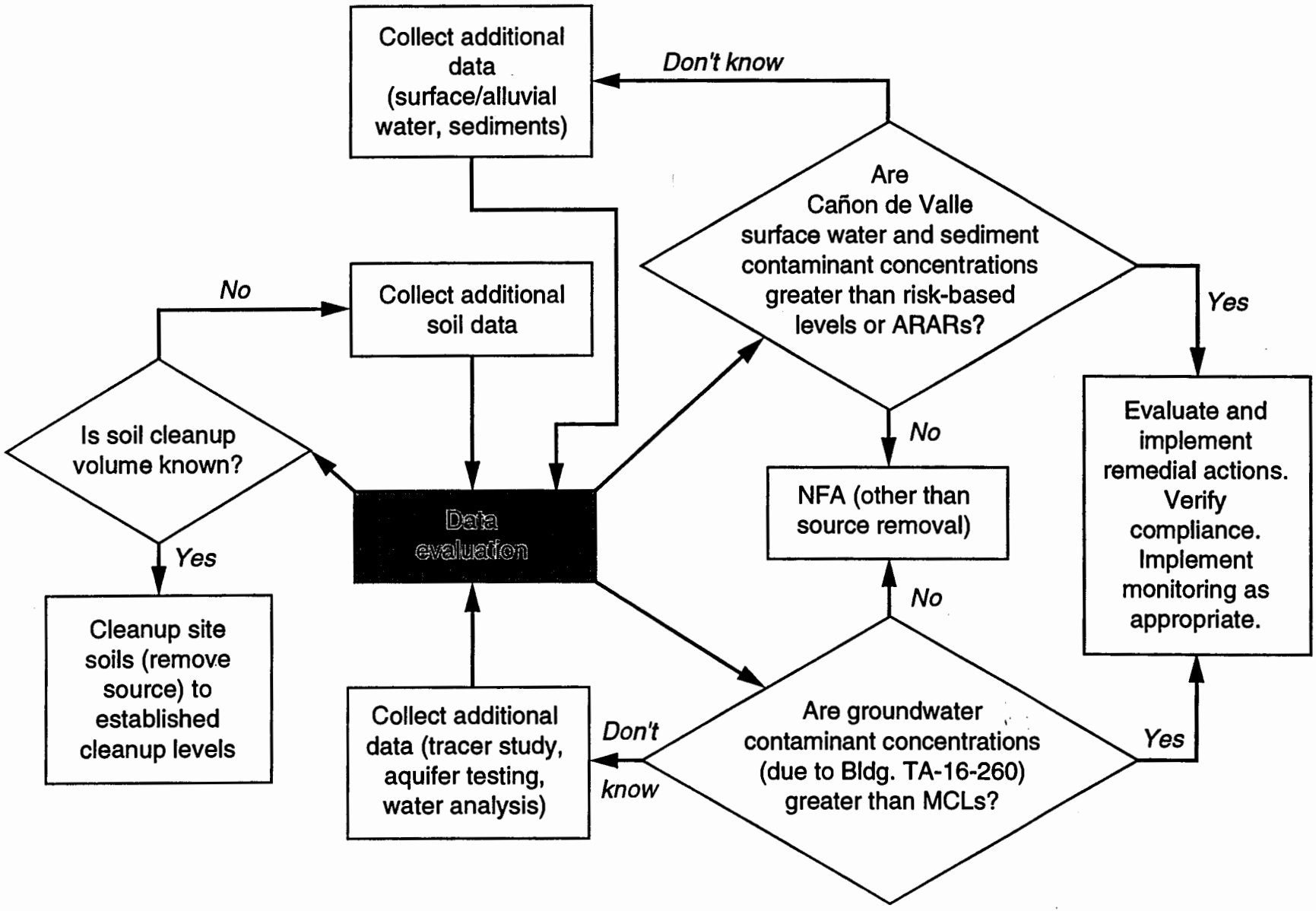

Fig. 5.2.11-1. TA-16-260 outfall decision flow.

If the known contaminated springs (SWSC Line Spring, Burning Ground Spring, Martin Spring, and Fish Ladder Seep) are fed primarily by fracture flow through welded tuff or if the saturated layer is thin and discontinuous, it may not be possible to detect saturated zones by surface geophysical methods. Saturated zones or perched water might be found either above the cliff-forming unit that crops out in Cañon de Valle and is approximately 10–40 ft below the surface at the TA-16-260 outfall, or in the surge bed that separates this cooling unit from the next lower cooling unit, at a depth of approximately 50–70 ft (Broxton et al. 1996, 1305). An attempt will be made to locate and trace saturated zones using Schlumberger resistivity and other electrical and magnetic methods, both in the neighborhood of the TA-16-260 outfall (Fig. 5.2.11.2.1-1) and also near the springs on the mesa tops at TA-16 (Fig. 5.2.11.2.1-2). If flow paths can be traced in this way, these results will be used to help locate the wells proposed in Sections 5.2.11.2.3 and 5.2.11.2.4.

5.2.11.2.2 Surface and Near-surface Sampling at the TA-16-260 Outfall

The lateral extent of sampling below the TA-16-260 outfall was determined during Phase I sampling using a field spot test HE kit with a relatively high detection level (nominally 100 ppm). While in general the lateral bounding samples selected in this way contained much lower concentrations of HE than the samples collected in the center of the drainage, some of the bounding samples had concentrations exceeding SALs. In particular, high RDX concentrations were found in the bounding samples collected 200 ft below the outfall and at the base of the outfall (600 ft below the outfall in Cañon de Valle, where the drainage is less well defined than it is higher up). In addition, no subsurface samples were collected downgradient from the dam that is located approximately 100 ft below the outfall.

Additional bounding samples will be collected along transects 200 and 600 ft below the outfall, at 5-ft lateral intervals for surface samples and 10-ft lateral intervals for subsurface samples (Fig. 5.2.11.2.1-1). Subsurface samples will be collected in soil at depths of 12–36 in., with greater depth preferred where practical. Subsurface sampling is constrained both by the large cobbles found in the outfall area and by restrictions on the use of power equipment in this HE area. Where the soil/tuff interface is encountered at a depth of less than 12 in., no sample will be collected. Each sample will be tested using the field spot-test kit, followed by an immunoassay test, if the spot-test result is negative. These data will be used to estimate the lateral extent of contamination. Once the lateral extent is believed to have been bounded based on these field results, surface and subsurface laboratory samples will be collected from each end of each transect. Splits of these homogenized samples will be submitted, both for immunoassay, and for laboratory HE and inorganic analyses.

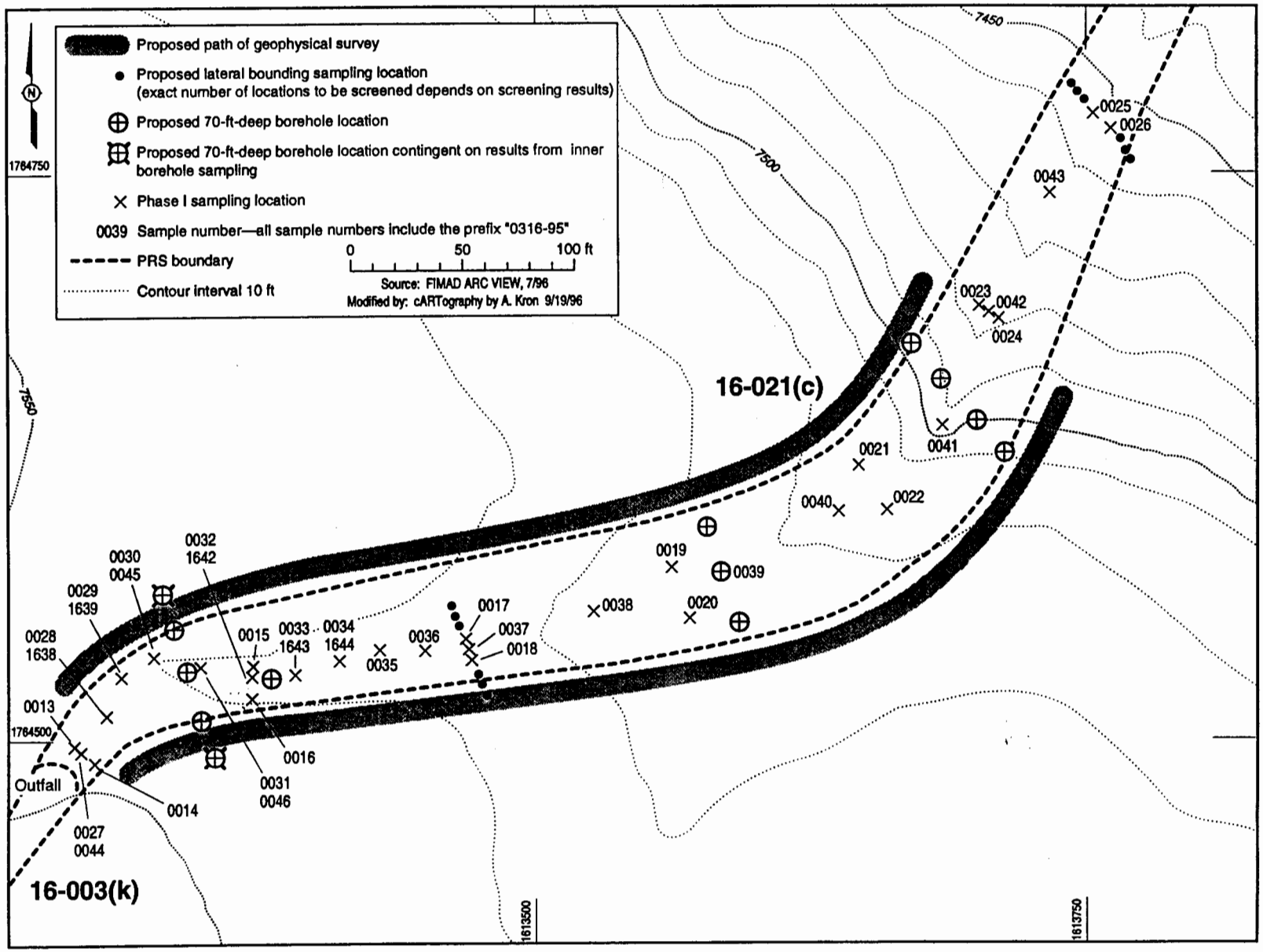

Fig. 5.2.11.2.1-1. Proposed Phase II sampling locations at PRS 16-021(c).

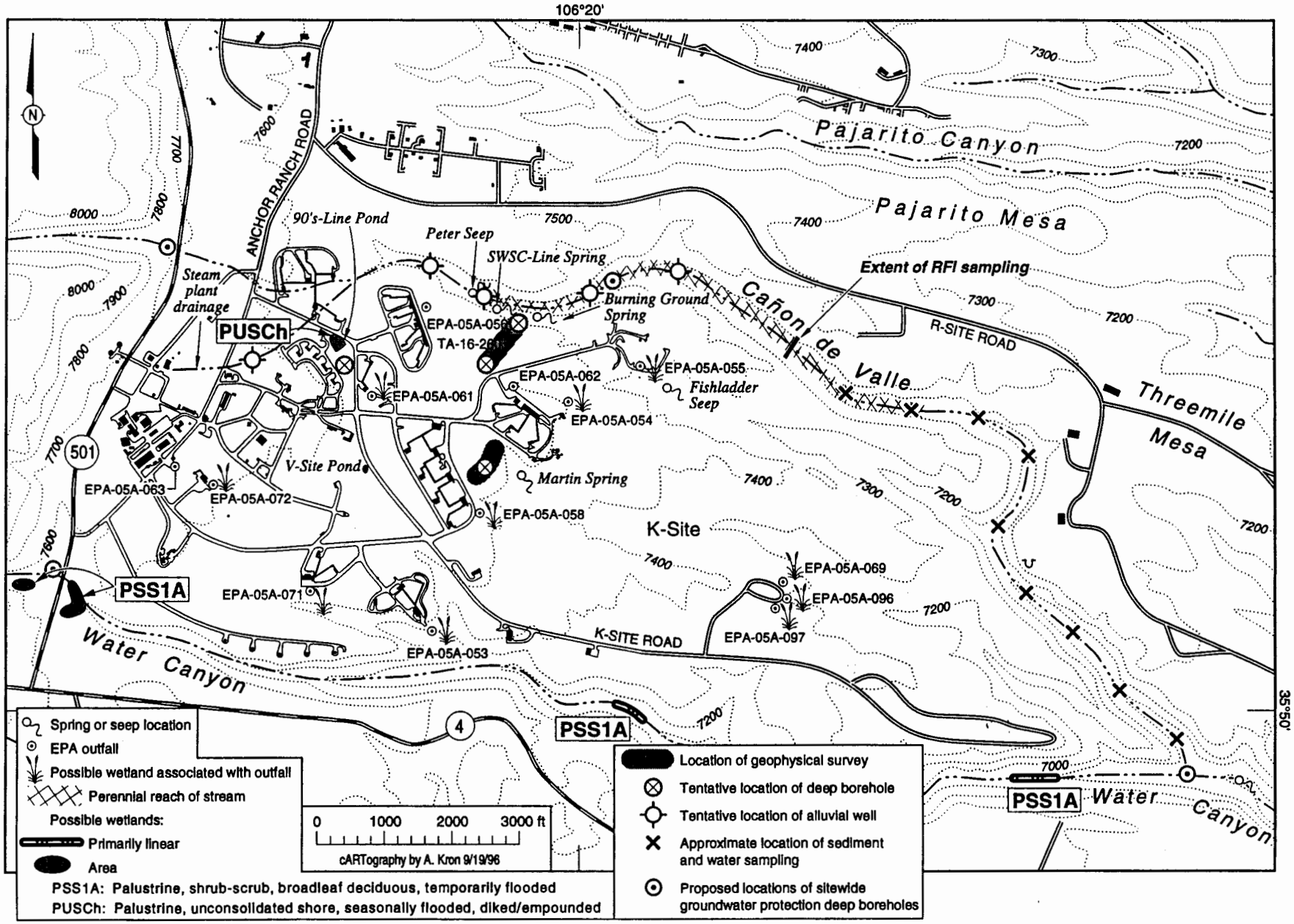

Fig. 5.2.11.2.1-2. Proposed locations of hydrogeologic monitoring stations and boreholes at TA-16.

One collocated sample (i.e., an independent sample from an adjacent point or segment of core, not a split of a homogenized sample) will be collected from one end of each transect for a total of two in order to estimate the effect of local heterogeneity, if any, in areas with low levels of contamination. One of these collocated samples should be a subsurface sample.

These observations (both field and laboratory results) will supplement Phase I data and data from additional transects described in Subsection 5.2.11.2.3 to bound the volume of soil requiring remediation and estimating the total amount of HE in the drainage. The laboratory results will also be used in conjunction with Phase I laboratory data for preliminary risk assessments.

5.2.11.2.3 Subsurface Sampling at the TA-16-260 Outfall

Eleven to 13 boreholes will be drilled with a remote-drilling rig, along three transects across the TA-16-260 drainage.

- Three to five boreholes will be drilled across the pond (approximately 75 ft below the outfall); drilling of the outermost boreholes is contingent on field test results for the adjacent boreholes closer to the centerline of the drainage.
- Three boreholes will be drilled along a transect where the drainage widens (approximately 320 ft below the outfall).
- Four boreholes will be drilled along a transect where a second drainage merges into the TA-16-260 line drainage from the south, providing access for the drill rig (approximately 450 ft below the outfall).

In addition, a single borehole in the center of the drainage will be drilled just below the dam of the pond (approximately 100 ft below the outfall). The placement of these boreholes, which is shown in Fig. 5.2.11.2.1-1, is based largely on logistical considerations for the remote drilling rig. If any geophysical anomalies that could be due to saturated zones are found by the geophysical survey, one or more of the boreholes proposed in this section will be resited to the location of the geophysical anomaly. The decision will to resite this borehole will be made by the field team in consultation with the Field Unit 3 technical team.

The central borehole in each transect will be drilled first (or the south-central borehole in the case of the transect 450 ft below the outfall). The total depth of contamination in that borehole, as determined by field test results, will determine the minimum depth for other boreholes in the same transect. Remaining boreholes in each transect will be drilled to at least five feet below

the depth of contamination of the center borehole, making adjustments as needed to account for the fact that the surface elevation for some of these boreholes may be several feet above the center of the drainage. No borehole will be drilled deeper than the surge bed that is expected to lie between 50 and 70 ft below the surface, or deeper than 70 ft if the surge bed is not observed. The contingent outer borehole on each end of the first transect (75 ft below the outfall) will be drilled only if field-measured contamination is encountered deeper than 12 in. in either of the two boreholes to the north and south of the center borehole.

The deepest recovered segment of each five-foot core interval in each borehole will be field screened for HE using the field spot-test kit first, followed by an RDX-sensitive immunoassay measurement if spot-test results are negative. Additional screening samples will be taken based on visual inspection that reveals anomalies such as fractured zones or wet areas. A sample for laboratory analysis will be collected in each borehole from the first 5-ft interval, from a depth of at least 24 in. Surface laboratory samples will also be collected from the two inner drilling locations in the transect at 450 ft. A laboratory sample will be collected from the first 5-ft interval below the depth of contamination in the central borehole for which the field screening results are clean. If the surge bed (or the 70-ft depth) is reached before a clean interval is observed, the second laboratory sample will be collected from this final interval, if possible from surge bed material.

Laboratory samples will be analyzed for HE, VOCs, SVOCs, and inorganics.

The outermost boreholes on the transects at 75 and 450 ft below the outfall will be drilled to the surge bed (or 70 ft) regardless of field screening results. If permitted by requirements for drilling near HE-contaminated zones, at least the lower half of these deeper boreholes will be drilled dry to permit geologic logging of the core, borehole logging, and detection of saturated zones. Laboratory samples will be collected from the bottom of each borehole (specifically, from surge bed material if that is distinguishable in the cores) to be analyzed for HE, VOCs, and inorganics. If saturated zones are found, at least one of the two deep boreholes in each transect will be completed as a potential monitoring well. Both boreholes in a transect may be completed if saturated zones are found at different depths (in stratigraphically distinct layers).

If saturated zones are encountered in any borehole, water samples will be collected for laboratory analysis for the full suite of COPCs at TA-16-260 (HE, inorganics, SVOCs) and for VOCs. One sample for field and laboratory geotechnical parameter characterization will be collected in each distinct saturated zone. These analyses may include: pH, temperature, specific conductance, alkalinity, turbidity, and dissolved oxygen, hydraulic head measurements, bulk density, saturated moisture content, saturated hydraulic conductivity, moisture retention data, and whole-rock geochemistry of rock units (for lithologic correlations).

Laboratory data will supplement data from the TA-16-260 outfall collected in RFI Phase I and as described in Section 5.2.11.2.2 to bound the volume of soil requiring remediation. Contaminant and geotechnical analyses, if obtained from saturated zones, will provide some preliminary information on subsurface transport of HE contamination away from the outfall.

5.2.11.2.4 Mesa-top Wells

Four wells will be placed at mesa-top locations in the north-central portion of TA-16, which includes the TA-16-260 area. The nominal total depth of each of these wells is 200 ft, but if a saturated zone is encountered, the wells will be completed at shallower depths so that a potentiometric surface is defined. A depth of 200 ft penetrates Unit 3 to a depth equivalent to that of the SWSC Line and Burning Ground Springs. These multipurpose wells will provide geologic logs for the TA-16 mesas, and groundwater samples if a saturated zone is encountered. They may also become long-term monitoring wells if contaminants are observed above MCLs in groundwater samples.

The default locations for these four wells are shown on Fig. 5.2.11.2.1-2. Two are sited along the SWSC line cut, which runs between TA-16-260 and the SWSC Line and Burning Ground Springs in Cañon de Valle. In the absence of more specific indications from the geophysical survey (Section 5.2.11.2.1), one of these will be located near the canyon rim, on the line between the TA-16-260 outfall and Burning Ground Spring, and the second will be located near the line from the TA-16-260 outfall and Martin Spring to the southeast. A third well will be located between the V-Site Pond and Martin Spring, southwest of TA-16-340, its precise location may be determined by the geophysics survey results. The fourth will be sited east of the 90s-Line near the 90s-Line Pond.

One of these wells, probably the southern well within the SWSC Line cut, will be continuous cored (without casing). The others will be drilled (4-in. diameter) using air rotary methods (without casing). Geologic and fracture logs will be prepared for all boreholes based on either cuttings or cores. A teleview and neutron log will be prepared for each borehole. All lithologic and geologic variations will be noted during the drilling process. Particular note will be made of fractures and other potential water pathways. The continuously cored borehole will be sampled within each distinct lithologic unit for hydrologic and geologic parameters including: bulk density, saturated moisture content, moisture content, field saturation, saturated hydraulic conductivity, moisture retention parameters, and whole-rock geochemistry of rock units (for lithologic correlations). However, if a saturated zone or perched water is encountered at shallower depths, the well will be completed as a monitoring well at that depth.

Wells completed as monitoring wells will be redrilled to 6-in. diameter and will be completed at the depth of the uppermost saturated zone with a stainless steel screen. A dedicated pump and pressure transducer will be installed and a water monitoring program will be initiated. Seasonal response of the potentiometric surface will be monitored. The pressure transducer will be installed with an automated data-logging system.

If saturated zones are encountered, field measurements on water may include pH, temperature, specific conductance, alkalinity, turbidity, dissolved oxygen, and hydraulic head measurements. Field measurements may include pump and slug tests to determine *in-situ* saturated hydraulic conductivity. Lab measurements will include saturated hydraulic conductivity, grain size distribution, effective porosity, moisture retention parameters, and bulk density. Initial water samples from such wells (collected in four consecutive quarters) will be analyzed for the full suite of potential contaminants: VOCs, SVOCs, HE, and inorganics. In addition, they will be analyzed for concentrations of cations and anions, particularly the tracer constituent bromine. These analyses will be used to determine whether COPCs exist in perched groundwater below TA-16 and to characterize groundwater pathways between TA-16 source areas and springs.

Four deep-groundwater wells to the main aquifer are scheduled for the TA-16 area as part of site-wide groundwater protection investigations. These wells will be located within Water Canyon and Cañon de Valle at West Jemez Road, at the confluence of Water Canyon and Cañon de Valle, and in Cañon de Valle near MDA-P. These wells are currently scheduled to be drilled in FY97–01, at the earliest. Data from these wells will be used to support CMS/CMS decisions for PRS 16-021(c).

5.2.11.2.5 Alluvial Wells

Two to five shallow alluvial wells will be completed in Cañon de Valle and in the steam plant outfall drainage, which drains into Cañon de Valle. Five alluvial well locations are proposed, only the first two can be accessed with a drill rig with certainty: 1) at a point upstream from MDA-P, where the existing road that skirts MDA-P to the west provides access to the canyon bottom (Fig. 5.2.11.2.1-2). 2) in the drainage from the steam plan at a location upgradient from the 90s-Line drainage (Fig. 5.2.11.2.1-2); 3) at a location upgradient of the TA-16-260 outfall drainage but downgradient of MDA-R (Fig. 5.2.11.2.1-2); 4) at a location upgradient from SWSC Line Spring in Cañon de Valle (Fig. 5.2.11.2.1-2); and 5) at a location east of MDA-P in Cañon de Valle (Fig. 5.2.11.2.1-2). If any well location is inaccessible to an appropriate drill rig, then it will not be drilled. All wells will be drilled to five feet beneath the alluvium/tuff interface.

The shallow boreholes will be completed as alluvial monitoring wells with 3–4-in.-diameter polyvinyl chloride (PVC), or suitable equivalent. Each well screen is expected to be 5–10 ft in length. Each borehole will be completed in accordance with applicable guidance from the LANL SOPs listed in Subsection 5.2.11.3 of this document.

Water samples will be collected quarterly for one year from each well and analyzed for HE, VOCs, inorganics, and anions, including bromide. These data will be used to identify COPCs and seasonal variations in Cañon de Valle alluvial water. One or more of the wells will subsequently be used as a monitoring well in evaluating the effectiveness of corrective actions at several locations, including the 90s-Line, the silver outfall (PRS 16-020), and the TA-16-260 outfall.

5.2.11.2.6 Spring Sampling and Tracer Studies

A monitoring program for TA-16 springs and seeps will be instituted. The schedule for analyses for springs and seeps at TA-16 is provided in Table 5.2.11.2.6-1. Flow rates will also be monitored. A water balance calculation relating outfall and spring discharges will be completed. This schedule will be reevaluated following the first year (FY97) of sampling. These analyses are designed both to support tracer studies (described below) and to represent ongoing monitoring of constituents in springs. Locations of springs and seeps are shown on Fig. 5.2.11.2.1-2.

TABLE 5.2.11.2.6-1

SCHEDULE FOR SPRING AND SEEP SAMPLING

Spring	Bromide	Major and trace ions	RCRA Inorganics	HE	VOCs	SVOCs
SWSC Line Spring	Weekly	Quarterly	Quarterly	Quarterly	Quarterly	Annually
Burning Ground Spring	Weekly	Quarterly	Quarterly	Quarterly	Quarterly	Annually
Martin Spring	Weekly	Quarterly	Quarterly	Quarterly	Quarterly	Annually
Peter Seep	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Annually
Fish Ladder Seep	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Annually

A potassium bromide tracer will be deployed at PRS 16-021(c) during FY97. Approximately 100 kg of potassium bromide in solution will be deployed within the trough exiting the TA-16-260 sumps. Autosamplers for SWSC Line Spring, Burning Ground Spring, and Martin Spring will also be deployed prior to injecting the tracer. Baseline bromide levels in these springs will be determined based on existing data (see Appendix C) combined with 10 additional bromide samples collected prior to potassium bromide deployment. The autosampler will collect several milliliters of spring water daily; these samples will be collected every two weeks and one sample for each week will be submitted for anion, including bromide, analysis. If bromide levels appear to be elevated relative to baseline levels, then all samples from the two-week sampling interval will be submitted for anion analysis. All samples will be preserved pending analysis of the first sample. Sampling at an individual spring will continue for at least one year, then the data will be evaluated and it will be decided whether to continue sampling. Based on the tritium model ages of spring waters (see Appendix C) bromide breakthrough is anticipated in five years or less.

5.2.11.2.7 Sediment and Water Sampling in Cañon de Valle

Sediment and water sampling in Cañon de Valle between MDA-R and a distance of 2 500 ft downstream from MDA-P is described in Subsection 5.9 of the work plan (LANL 1993, 1094). This sampling is currently scheduled to be completed during FY97. However, non-RFI sampling (see Appendix C) indicates surface water contamination at levels greater than MCLs at a distance of roughly 7 000 ft downstream from MDA-P. The currently proposed Cañon de Valle sampling will not bound the downstream extent of contamination from PRS 16-021(c) and other PRSs that drain into Cañon de Valle. Thus, additional sediment and water sampling in Cañon de Valle is proposed in this Phase II sampling and analysis plan.

The existing sampling in Cañon de Valle, which is confined to the central channel, will be augmented with samples taken in the overbank region. Three locations, selected based on a geomorphologic survey, will be sampled in overbank sediments on both the north and south banks of the Cañon de Valle channel. These samples will be analyzed for HE, inorganics, SVOCs, and VOCs.

Sediment and water samples will be collected every 1 000 ft, starting at the last point of the currently-proposed Cañon de Valle sampling plan (see Fig. 5.2.11.2.1-2). This sampling will be terminated at the first point beyond the confluence of Cañon de Valle and Water Canyon. If contamination is still present in Water Canyon, it will be deferred to the ER Canyons OU. These samples will be submitted for HE and inorganic analysis.

5.2.11.2.8 Schedule constraints

Geophysics will be completed in October following the rainy season when saturation levels in the tuff may be highest. Operations in TA-16-260 permit surface and subsurface sampling directly behind TA-16-260 only on Fridays and weekends. Drilling operations will be closely coordinated with the site operating group. Tracers will be deployed prior to winter snowmelt.

5.2.11.3 Implementation

General Sampling and Screening (5.2.11.2.1 to 5.2.11.2.7)

All samples for laboratory analysis will be collected using the most current applicable LANL-ER SOPs for the collection, preservation, identification, storage, transport, and documentation of environmental samples, as described in the ER Project QAPP (LANL 1996, 1292).

General field activities will be controlled by the following SOPs: LANL-ER-SOP-01.01, General Instruction for Field Investigations, LANL-ER-SOP-01.02, Sample Container and Preservation, LANL-ER-SOP-01.03, Handling, Packaging and Shipping of Samples, LANL-ER-SOP-01.04, Sample Control and Field Documentation, LANL-ER-SOP-01.05, Field Quality Control Samples, and LANL-ER-SOP-03.01, Land Surveying Procedures. This sampling will be governed by LANL-ER-SOP-01.07, Operational Guidelines for Taking Soil and Water Samples in Explosives Areas because of the explosives hazards at this site. Applicable site safety SOPs will also be followed.

Field screening will be completed for radionuclides with a sodium iodide detector using LANL-ER-SOP-06.23, Measurement of Gamma-ray field using a Sodium Iodide Detector and LANL-ER-SOP-10.10, Radiation Scoping Surveys, and high explosives by spot test following LANL-ER-SOP-10.06, High Explosives Spot Test.

Field activities will be documented according to LANL-ER-SOP-03.12, Field and Laboratory Notebook Documentation for Environmental Restoration Earth Sciences Studies. In particular, all field test results will be recorded, whether or not they correspond to locations and depths where laboratory samples are collected.

Decontamination of sampling equipment will be performed in accordance with LANL-ER-SOP-01.08, Field Decontamination of Drilling and Sampling Equipment. Wash water and other wastes generated during the sampling operation will be managed and disposed of in accordance with LANL-ER-AP-05.3, Management of ER Program Wastes.

Borehole samples will be transmitted to the SMO following LANL-ER-SOP-12.02, Transportation, Receipt, and Admittance of Borehole Samples for the Sample Management Facility. Non-borehole samples will follow LANL-ER-SOP-12.03, Acceptance of Non-Borehole Samples by the Sample Management Facility. Sample management facility personnel follow LANL ER-SOP-12.04, Physical Processing and Storage of Borehole Samples at the Sample Management Facility.

The Sample Management Organization tracks samples between LANL and the external laboratories and uploads laboratory and QA data into FIMAD. The field team will upload the field database information into FIMAD and will generate a post-field operations report.

Geophysical survey method(s) (5.2.11.2.1).

Geophysical studies will be completed following LANL-ER-SOP-03.02, General Surface Geophysics. Specific procedures used for the Schlumberger resistivity, electromagnetic, magnetic and any other methods used will follow the manufacturers' instructions.

Geological survey method(s) (5.2.11.2.1)

Geologic mapping will be completed following LANL-ER-SOP-03.09, Geologic Mapping of Bedrock Units. Fracture characterization will follow methods outlined in LANL-ER-SOP-03.06, Fracture Characterization. Documentation of results from these investigations will follow LANL-ER-SOP-03.12, Field and Laboratory Notebook Documentation for Environmental Restoration Earth Science Studies.

Surface and near-surface sample collection methods in outfall area (5.2.11.2.2)

Surface sampling will be completed using LANL-ER-SOP-06,09, Spade and Scoop Method for Collection of Soil Samples. Shallow subsurface sampling will be completed using LANL-ER-SOP-06.10, Hand Auger and Thin-Wall Tube Sampler, where this procedure is allowed by the operating group. In HE-contaminated regions a remote auger rig is required.

Borehole drilling methods with modifications as required in HE areas (5.2.11.2.3).

Drilling at the TA-16-260 outfall will be controlled by LANL-ER-SOP-04.01, Drilling Methods and Drill Site Management. These boreholes will be drilled remotely and will be drilled wet, due to site safety requirements concerning drilling in HE-contaminated areas. Wells will be logged using LANL-ER-SOP 04.04, General Borehole Logging. Core holes will also be handled following LANL-ER-SOP-12.01, Field Logging, Handling, and Documentation of Borehole Samples.

Mesa-Top Wells and Alluvial Wells (5.2.11.2.4 and 5.2.11.2.5)

Drilling at the TA-16-260 outfall will be controlled by LANL-ER-SOP-04.01, Drilling and Drill Site Management. Core hole samples will also be handled following LANL-ER-SOP-12.01, Field Logging, Handling, and Documentation of Borehole Samples. Wells will be logged using LANL-ER-SOP 04.04, General Borehole Logging. Any mesa-top wells completed as monitoring wells will follow LANL-ER-SOP-5.01, Monitor Well Construction and LANL-ER-SOP-05.02, Well Development. Depth to saturated water will be determined using LANL-ER-SOP-07.02, Fluid Level Measurements. Slug tests for saturated hydraulic conductivity will be completed using LANL-ER-SOP-07.03, Well Slug Tests. Pump tests will be completed using LANL-ER-SOP-07.04, Aquifer Pumping Tests. Water samples from mesa-top wells will be collected using LANL-ER-SOP-06.01, Purging of Wells for Representative Sampling of Ground Water, and LANL-ER-SOP-06.02, Field Analytical Measurements of Groundwater Samples. Soil pH will be measured using LANL-ER-SOP-11.04, Soil and Core pH. Volatile organics samples of groundwater will be taken following LANL-ER-SOP-06.03, Sampling for Volatile Organics. If pressure transducers are installed in saturated zones follow LANL-ER-SOP-07.01, Pressure Transducers.

Spring and Surface water Sampling (5.2.11.2.6)

Quarterly surface water, including spring discharge, will be sampled following LANL-ER-SOP-06.13, Surface Water Sampling.

Cañon de Valle Sampling (5.2.11.2.7)

Sediment samples will be collected following LANL-ER-SOP-06.14, Sediment Material Collection. Water samples will follow LANL-ER-SOP-06.13, Surface Water Sampling.

5.2.11.4 Data Assessment

Laboratory data packages will be checked for completeness (LANL 1996, 1292). Focused validation will be performed only if verification or subsequent data assessment indicates possible problems with analytes of concern. Data packages will be retained under chain-of-custody control by the SMO.

Hydrogeologic data will be reviewed by a hydrologist and will be compared with existing data for Bandelier Tuff at LANL, particularly with data for Unit 3 and Unit 4.

5.2.11.5 Administration

Records Maps will be prepared of all sampling localities and each sample will be photographed. These maps will be based in FIMAD. Core logs based on chips or cuttings will be prepared for all core holes. Copies of field logs and other field information will be supplied to the records processing facility, together with information captured in the field database.

Reports A field summary report prepared following the field activities will be submitted to the ER records processing facility.

Field data will be preserved in a 4-D™ database and provided to FIMAD. The analytical laboratories will prepare electronic deliverables, as well as hard copy reports of the results.

Training Field personnel will complete all training as identified in the Field Unit 3 training matrix.

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APPENDIX A ANALYTICAL SUITES

Results of analyses can be found in the Facility for information Management and Display (FIMAD). Hard copies of supporting information will be provided upon request.

Chemicals that are reported by analytical laboratories as not detected have not been included in the tables of this RFI report. Nonetheless, undetected analytes are often part of the decision-making process and it is important to note that these chemicals were analyzed for (Tables A-1 to A-6). This appendix lists the target analytes in each analytical suite included in the Tables 5.x.4.x.

TABLE A-1

INORGANIC SUITE

Aluminum	Beryllium	Cobalt	Lead	Nickel	Sodium
Antimony	Cadmium	Copper	Magnesium	Potassium	Thallium
Arsenic	Calcium	Cyanide	Manganese	Selenium	Vanadium
Barium	Chromium	Iron	Mercury	Silver	Zinc

TABLE A-2

RADIONUCLIDES

Total Uranium

TABLE A-3

VOLATILE ORGANIC COMPOUND (VOC) SUITE

Acetone	1,2-Dibromoethane	Methyl iodide
Benzene	Dibromomethane	4-Methyl-2-pentanone
Bromobenzene	1,2-Dichlorobenzene	Methylene chloride
Bromochloromethane	1,3-Dichlorobenzene	n-Propylbenzene
Bromodichloromethane	1,4-Dichlorobenzene	Styrene
Bromoform	Dichlorodifluoromethane	1,1,1,2-Tetrachloroethane
Bromomethane	1,1-Dichloroethane	1,1,2,2,-Tetrachloroethane
2-Butanone	1,2-Dichloroethane	Tetrachloroethene
n-Butylbenzene	1,1-Dichloroethene	Toluene
sec-Butylbenzene	cis-1,2-Dichloroethene	Trichlorotrifluoroethane
tert-Butylbenzene	trans-1,2-Dichloroethene	1,1,1-Trichloroethane
Carbon disulfide	1,2-Dichloropropane	1,1,2-Trichloroethane
Carbon tetrachloride	1,3-Dichloropropane	Trichloroethene
Chlorobenzene	2,2-Dichloropropane	Trichlorofluoromethane
Chlorodibromomethane	1,1-Dichloropropene	1,2,3-Trichloropropane
Chloroethane	cis-1,3-Dichloropropene	1,2,4-Trimethylbenzene
Chloroform	trans-1,3-Dichloropropene	1,3,5-Trimethylbenzene
Chloromethane	Ethylbenzene	Vinyl chloride
2-Chlorotoluene	2-Hexanone	o,m,p-Xylene (mixed)
4-Chlorotoluene	Isopropylbenzene	
1,2-Dibromo-3-chloropropane	p-Isopropyltoluene	

TABLE A-4

SEMIVOLATILE ORGANIC COMPOUND (SVOC) SUITE

Acenaphthene	Chrysene	Isophorone
Acenaphthylene	Dibenzo(a,h)anthracene	2-Methyl-4,6-dinitrophenol
Aniline	Dibenzofuran	2-Methylnaphthalene
Anthracene	1,2-Dichlorobenzene	2-Methylphenol
Azobenzene	1,3-Dichlorobenzene	4-Methylphenol
Benzo(a)anthracene	1,4-Dichlorobenzene	Naphthalene
Benzo(b)fluoranthene	3,3'-Dichlorobenzidine	2-Nitroaniline
Benzo(k)fluoranthene	2,4-Dichlorophenol	3-Nitroaniline
Benzo(g,h,i)perylene	Diethylphthalate	4-Nitroaniline
Benzo(a)pyrene	Dimethylphthalate	Nitrobenzene
Benzoic acid	Di-n-butylphthalate	2-Nitrophenol
Benzyl alcohol	Di-n-octyl phthalate	4-Nitrophenol
Bis(2-chloroethoxy)methane	2,4-Dimethylphenol	N-Nitrosodimethylamine
Bis(2-chloroethyl)ether	2,4-Dinitrophenol	N-Nitrosodiphenylamine
Bis(2-chloroisopropyl)ether	2,4-Dinitrotoluene	N-Nitroso-di-n-propylamine
Bis(2-ethylhexyl)phthalate	2,6-Dinitrotoluene	Pentachlorophenol
4-Bromophenylphenyl ether	Fluoranthene	Phenanthrene
Butylbenzylphthalate	Fluorene	Phenol
4-Chloroaniline	Hexachlorobenzene	Pyrene
4-Chloro-3-methylphenol	Hexachlorobutadiene	1,2,4-Trichlorobenzene
2-Chloronaphthalene	Hexachlorocyclopentadiene	2,4,5-Trichlorophenol
2-Chlorophenol	Hexachloroethane	2,4,6-Trichlorophenol
4-Chlorophenylphenyl ether	Indeno(1,2,3-cd)pyrene	

TABLE A-5

PESTICIDE AND POLYCHLORINATED BIPHENYL SUITES

gamma-BHC (Lindane)	Heptachlor epoxide
Chlordane	Methoxychlor
Endrin	Toxaphene
Heptachlor	

TABLE A-6

HIGH EXPLOSIVES SUITE

2, Amino-4,6-Dinitrotoluene	HMX	RDX
4, Amino-2,6-Dinitrotoluene	Nitrobenzene	Tetryl
1,3 Dinitrobenzene	2-Nitrotoluene	1,3,5-Trinitrobenzene
2,4 Dinitrotoluene	3-Nitrotoluene	2,4,6-Trinitrotoluene
2,6 Dinitrotoluene	4-Nitrotoluene	

APPENDIX B DATA VALIDATION

The following tables summarize the results of quality assurance/quality control data validation for all analytical results used to support recommendations in this RFI report. Tables are presented in order of request number for each sample delivery group sent for laboratory analysis. Request numbers for each PRS are cited in Subsection 5.X.4 in Table 5.X.4-1.

TABLE B-1

DATA VALIDATION TABLE FOR INORGANIC SAMPLES

SUITE[a]	REQUEST NUMBER	COMMENTS
Inorganics	564	Spike recoveries for manganese and zinc were outside the acceptable value of 125%. All manganese and zinc data were qualified as J+[b]. Spike recoveries for selenium and arsenic were below the acceptable value of 75%. All selenium data were qualified as UJ[c]. All arsenic data were qualified as J-[d]. Duplicate recovery for aluminum, barium, chromium, copper, iron, zinc, and manganese was outside the acceptable 20% range. This did not affect the quality of the data for the purposes of this report. All data are considered valid.
Inorganics	978	Spike recovery for barium was outside the acceptable value of 125%. All barium data were qualified as J+. Spike recovery for selenium was below the acceptable value of 75%. All selenium data were qualified as UJ. Matrix spike criteria for lead were not met in sample 0316-95-0110, but this does not affect the quality of the data for the purposes of this report. Duplicate recovery for barium, lead, and manganese was outside the acceptable 20% range. This did not affect the quality of the data for the purposes of this report. All data were accepted as valid with qualification.
Inorganics	1106	Calibration blank for mercury was out of control. All mercury values were less than five times the value found in the blank and thus U-qualified. Spike recovery for selenium and cyanide was outside the acceptable range. However, all selenium and cyanide data were below the detection limit and thus qualified as UJ. All data were accepted as valid with qualification.
Inorganics	1174	Duplicate recovery for aluminum, chromium, iron, manganese, and zinc was outside the acceptable 20% range. This did not affect the quality of the data for the purposes of this report. All data are valid.
Inorganics	1204	Duplicate recovery for cobalt, copper, manganese, nickel, and zinc was outside the acceptable 20% range and qualified as P[e]. This did not affect the quality of the data for the purposes of this report. Spike recovery for lead, nickel, and zinc was well above the recommended 125%. These data were qualified as J+. The spike recovery for selenium was 66%, but all selenium values were below the detection limit and thus qualified as UJ. All data are valid as qualified.
Inorganics	1223	Spike recovery for selenium was 45% and all selenium data were UJ-qualified. Spike recovery for arsenic and barium was lower than the acceptable 75% and all arsenic and barium data were qualified as estimated with a low bias (J-). Duplicate recovery for barium, lead, and calcium was outside the acceptable 20% range. This did not affect the quality of the data for the purposes of this report. All data were accepted as valid with qualification.
Inorganics	1269	Duplicate recovery for chromium and iron was outside the acceptable 20% range. This did not affect the quality of the data for the purposes of this report. All data for this report are considered valid. (Samples 0316-95-0164 and -0165 had chromium values near the action levels and should be J-qualified.)
TU[f]	565	All data are valid.
TU	979	All data are valid.
TU	1108	All data are valid.
TU	1175	All data are valid.
TU	1205	All data are valid.
TU	1224	All data are valid.
TU	1270	All data are valid.
Inorganic TCLP[g]	563	All data are valid.

[a] This is a table reference text.
[b] J+ = The analyte was positively identified, and the result is likely to be biased high.
[c] UJ = The analyte was not positively identified in the sample, and the associated value is an estimate of the sample-specific EQL/EDL.
[d] J- = The analyte was positively identified, and the result is likely to be biased low.
[e] P = Professional judgment should be applied to using the data in decision making.
[f] TU = Total uranium.
[g] Inorganic TCLP = Inorganic toxicity characteristic leaching procedure.

TABLE B-2

DATA VALIDATION TABLE FOR ORGANIC SAMPLES

SUITE	REQUEST NUMBER	COMMENTS
VOCs	1102	Acetone, trichlorofluoromethane, and methylene chloride were found in the blank analysis. These analytes were qualified as U[a] in all samples because sample contained less than 10 times the concentration found in the blank. All data are valid.
VOCs	1173	One internal standard did not meet QC criteria for all samples. Sample 0316-95-0046 had three internal standards that did not meet QC criteria. Surrogate recovery was poor in all samples. Samples 0316-95-0044 through -0046 were reanalyzed. The reanalyzed results should be considered valid and the original results invalid. Methylene chloride was present in the method blank due to lab contamination.
VOCs	1222	Acetone, trichlorofluoromethane, and methylene chloride were found in the blank analysis. These analytes were qualified as U in all samples because sample contained less than 10 times the concentration found in the blank. All data are valid.
HE	563	Data considered valid.
HE	972	All data are valid for the purposes of this report.
HE	1102	Data are considered valid for the purposes of this report.
HE	1173	Samples were extracted and analyzed twice. The first extraction showed high concentrations of HE that may have saturated the extract. The second analysis showed that extract was not saturated. The first set of analytical results are valid without qualification.
HE	1203	Data are considered valid for the purposes of this report.
HE	1222	Data are considered valid for the purposes of this report.
HE	1268	Lab control sample recovery was poor. Data are considered valid for the purposes of this report.
Pesticides	563	Validation incorrectly indicated that holding times were missed. Data were qualified PM[b] as a results. Data are valid without qualification.
SVOCs	563	Phthalate contamination of method blank due to lab contamination. Internal standards did not meet QC criteria. As a result, some data are PM-qualified. For the purposes of this report, data are considered acceptable.
SVOCs	972	Phthalate contamination of method blank due to lab contamination. All data are valid.
SVOCs	1102	Phthalate contamination of blank due to lab contamination. Phthalate data qualified as U because it was below 10 times the detection limit One internal standard for sample 316-95-0048 was below the acceptable 50% level and some undetected compounds were qualified as UJ[c]. One internal standard for sample 0316-95-0051 was significantly below the acceptable 50% level and some undetected compounds were rejected.
SVOCs	1173	All data are valid.
SVOCs	1203	Phthalate contamination of method blank. All data are valid.
SVOCs	1222	Phthalate contamination of method blank due to lab contamination. Sample 0316-95-0024 missed holding times by one day. Usability of data was not affected. QC results within allowable limits; all data are valid.
SVOCs	1268	All data are valid.
SVOCs TCLP[d]	563	All data are valid.

[a] U = The analyte was not positively identified in the samples and the associated value is the sample-specific EQL/EDL.
[b] PM = Professional judgment should be applied to using the data in decision-making. A manual review of the raw data is recommended.
[c] UJ = The analyte was not positively identified in the sample, and the associated value is an estimate of the sample-specific EQL/EDL.
[d] SVOCs TCLP = Semivolatile organics toxicity characteristic leaching procedure.

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APPENDIX C PRELIMINARY ENVIRONMENTAL GEOCHEMISTRY OF SURFACE AND SPRING WATERS AT TA-16, LOS ALAMOS NATIONAL LABORATORY, NEW MEXICO

1.0 INTRODUCTION

This appendix provides chemical data and preliminary interpretations of the data for spring, surface, and outfall waters collected in the high explosives (HE) area at Technical Area (TA)-16, Los Alamos National Laboratory (LANL), New Mexico. These data are compared with data from background springs issuing from similar rock units in the Jemez Mountains. These data are provided in this Resource Conservation and Recovery Act (RCRA) Facilities Investigation (RFI) report because PRS 16-021(c) is the most likely source of contamination found in surface and groundwaters at TA-16. The primary constituents of concern are listed in Table C-1. These are constituents that were consistently found at levels greater than regional backgrounds and that, in some cases, exceed screening action levels (SALs).

TABLE C-1

CONTAMINANTS OF CONCERN IN THE SPRINGS AND SEEPS AT TA-16

SPRING/SEEP	BANDELIER TUFF UNIT	CONSTITUENTS
Burning Ground Spring	3	Barium, HMX, RDX
Fish Ladder Seep	3	Barium, HMX, RDX
Martin Spring	4	Barium, boron, HMX, RDX
Peter Seep	3	Barium[a]
SWSC Line Spring	3	Barium, HMX, RDX

[a] Peter seep was not analyzed for high explosives.

2.0 METHODS AND PROCEDURES

TA-16 water sampling began in April 1994 and has continued through fiscal year (FY) 1996. Surface water sampling in canyons and outfalls began in March 1995 and also has continued through FY96. All spring, outfall, surface water, and assorted sampling locations are shown in Fig. C-1 and C-2. All TA-16 springs issue from the Upper Bandelier Tuff. Two springs, Burning Ground and SWSC Line, appear to issue from Tshirege Subunit 3, and one spring, Martin Spring, appears to issue from Tshirege Subunit 4. Two sets of background spring analyses were chosen from the literature for comparison with the TA-16 data. Background springs were chosen to represent water that is "pre laboratory" in composition. These springs are located on and around the Pajarito Plateau but away from LANL, and issue from the Bandelier Tuff or similar volcanic rock units. Locations of these background springs are shown in Blake et al., 1995 (1355). These springs were also chosen because they are relatively dilute, have a neutral pH, and low temperatures (5–15°C). In addition, many of these springs have shown relatively constant abundances of background constituents over the last 20 years or more of sampling. One set of data was collected from July 1974 through April 1979, and the second set was collected from May 1987 through October 1991. Three springs in the background set were resampled in April 1996.

The waters discussed in this appendix were sampled by two organizations. Analyses labeled with NMED were collected by the New Mexico Environment Department (NMED) Agreement in Principle Group (Dale et al. in press, 15-16-630). Their samples were submitted to external Environmental Protection agency (EPA)-qualified laboratories for analysis using SW-846 methods. All other samples were collected by LANL Earth and Environmental Sciences (EES)-1 group. EES-1 procedures for sampling are as follows. Four sample splits are taken at each site. Two chemistry samples are taken, both in 125 ml polyethylene bottles, and sealed with Polyseal™ caps. These samples are filtered with 0.45 µm filter paper using a hand-operated vacuum pump. One sample is acidified with nitric acid to a pH less than two, and the other is not acidified. Two samples are left unfiltered and unacidified, one collected in a 500 ml polyethylene bottle for tritium analysis, and the other in a 30 ml glass bottle for stable isotope analysis. Both are capped with Polyseal™ caps. A colorimetric HE spot test was performed on unfiltered waters before removing samples from the high explosives area at TA-16. The detection limits of the HE spot test are at levels such that a positive reading for HE indicates a sample with contamination at a level above its SAL.

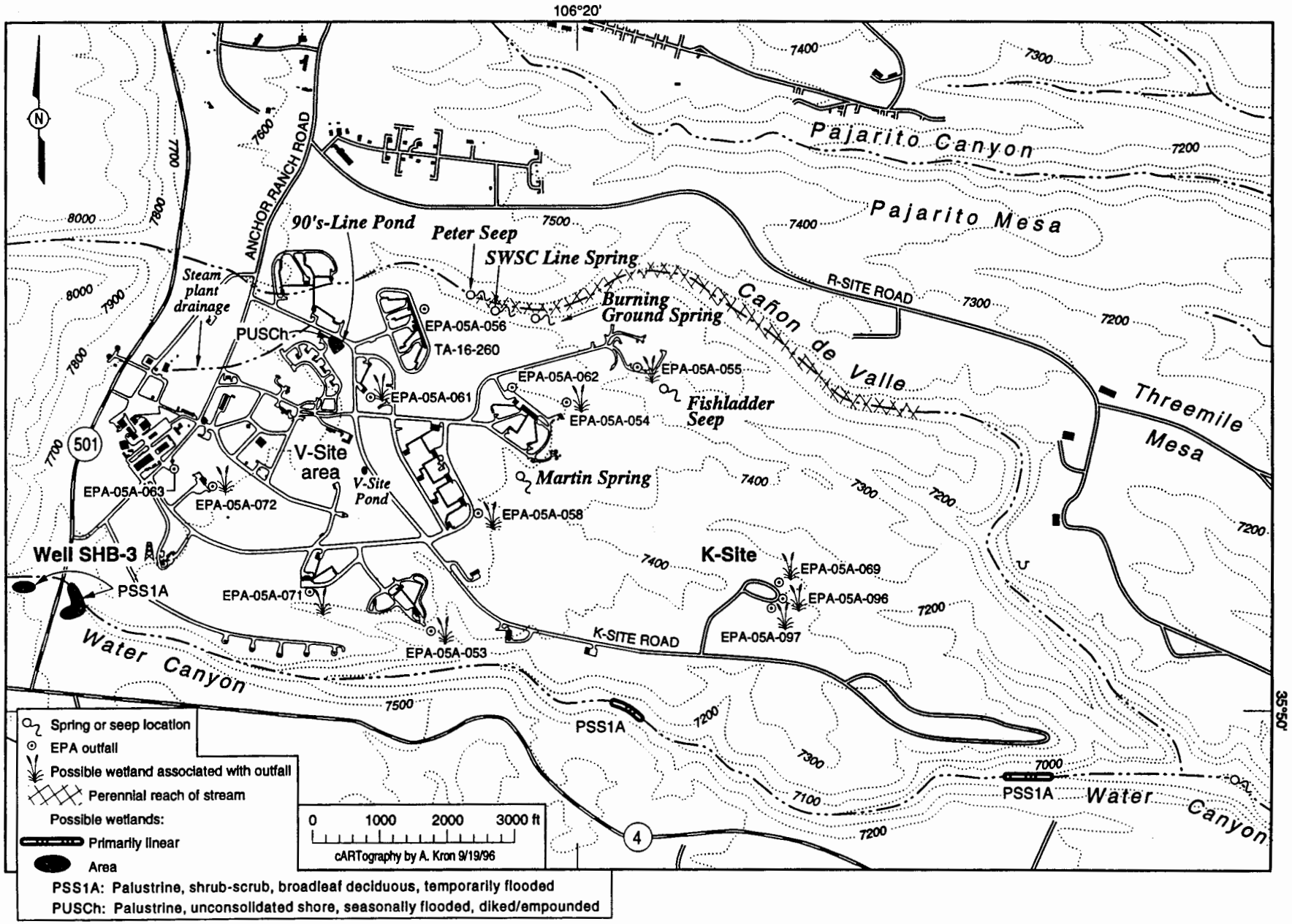

Fig. C-1. Spring, surface water and assorted sampling locations.

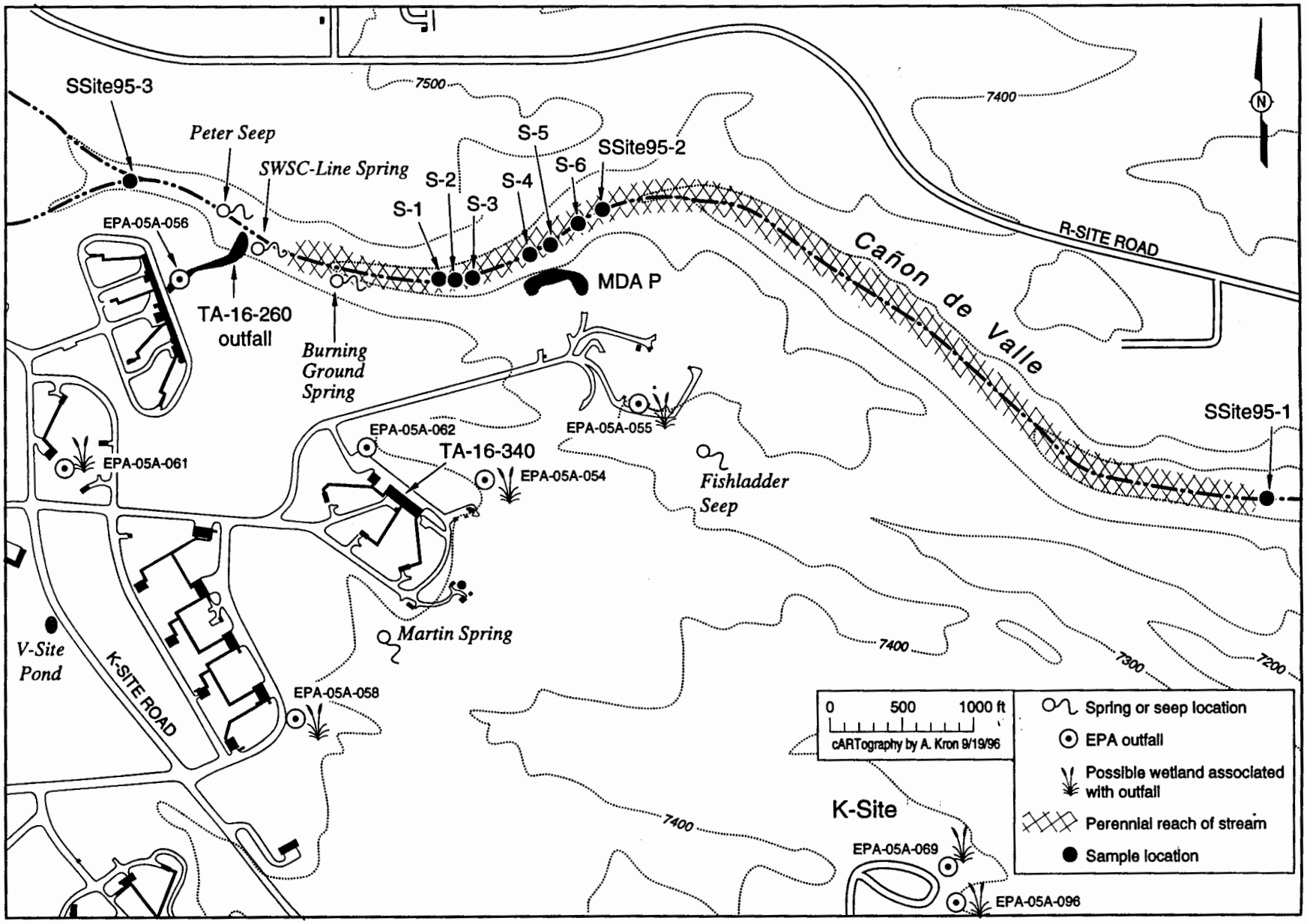

Fig. C-2. Sampling locations in Cañon de Valle.

Waters were analyzed for selected metals, anions, cations, and high explosives. For the EES-1 samples, methods of analysis and detection limits for all constituents are outlined in Table C-2. Analytes consistently below detection limits were not reported in the tables. Other analyses include tritium by the Tritium Laboratory at the University in Miami, Florida, and deuterium and oxygen-18 by Western Michigan University in Kalamazoo, Michigan. Four springs sampled by NMED were analyzed for organic constituents.

TABLE C-2

METHODS OF CHEMICAL ANALYSIS AND DETECTION LIMITS (ppm) FOR WATER SAMPLES

ANALYTE	METHOD	DETECTION LIMIT
Ag	GFAA[a]	0.0005
Al	ICP-AES[b]	0.01
As	Hydride AA[c]	0.001
B	ICP-AES	0.01
Ba	ICP-AES	0.01
Be	ICP-AES	0.002
Br	IC[d]	0.02
Ca	ICP-AES	0.01
Cd	GFAA	0.0002
Cl	IC	0.01
Co	GFAA	0.002
CO_3/HCO_3	Titration	0.5
Conductivity	Eloctrode	0.5
Cr	GFAA	0.002
Cs	GFAA	0.002
Cu	GFAA	0.002
F	IC	0.01
Fe	ICP-AES	0.01
Hg	Cold vapor AA	0.0002
I	IC	0.01
K	ICP-AES	0.2
Li	ICP-AES	0.01
Mg	ICP-AES	0.01
Mn	ICP-AES	0.01

ANALYTE	METHOD	DETECTION LIMIT
Mo	GFAA	0.002
Na	ICP-AES	0.05
NH_4	Electrode	0.02
Ni	GFAA	0.002
NO_2	IC	0.02
NO_3	IC	0.02
Pb	GFAA	0.002
pH	Electrode	0.01
PO_4	IC	0.05
Rb	GFAA	0.002
Sb	Hydride AA	0.001
Se	Hydride AA	0.001
Si	ICP-AES	0.02
SO_4	IC	0.02
S_2O_3	IC	0.01
Sr	ICP-AES	0.01
Ti	ICP-AES	0.002
V	ICP-AES	0.002
Zn	ICP-AES	0.005
HMX	HPLC[e]	0.02
NQ	HPLC	0.01
PETN	HPLC	0.05
RDX	HPLC	0.01
TNT	HPLC	0.01

[a] GFAA = Graphite furnace atomic absorption spectoscopy.
[b] ICP-AES = Inductively coupled plasma atomic emission spectroscopy.
[c] AA = Atomic absorption spectroscopy.
[d] IC = Ion chromatography.
[e] HPLC = High pressure liquid chromatography.

3.0 FLUID GEOCHEMISTRY

All major and minor element chemical analyses are listed in Tables C-3 and C-4. High explosives are listed in Table C-5, stable isotopes and tritium values are listed in Table C-6, and organic analyses are listed in Table C-7. SALs for each constituent are listed at the top of the HE table.

TA-16 spring data (Fig. C-1) were compared with background spring data, which are presumably free of anthropogenic contamination. Even though TA-16 waters issue from rock units similar to the background suite, the major-element water chemistries are different. Elements not of concern, but higher than background, at TA-16 include sodium, chloride, calcium, and magnesium. Sodium and chloride are possibly derived from road salt.

Boron is found in many TA-16 springs at levels above regional background. The high boron concentrations are possibly linked to the use of Boracitol, an explosive composed of boric acid and TNT used historically at TA-16 (specifically at V-Site, Fig. C-1). However, boron is also found in warmer and deeper ground waters due to water-rock interactions (Blake et al. 1995, 1355). However, it is unlikely that a connection exists between a deep aquifer and the TA-16 springs due to the differences in isotopic compositions between TA-16 waters and deep groundwaters. Because the detection limit for boron has decreased since the majority of background sampling occurred, only analyses of four background waters show detectable boron. All 1996 background samples have boron values below 0.013 ppm. Even though boron concentrations in TA-16 waters fall below SAL, the majority of the waters show boron exceeding background levels. Boron concentrations in Martin Spring (1.4—1.8 ppm) are anomalously high relative to other springs and surface waters at TA-16. These data suggest interaction of shallow groundwaters with leachable boron found in soils in the vadose zone and suggest a different source for Martin Spring than for the other springs at TA-16. Anthropogenic boron has been found in other LANL waters such as a spring at TA-21 (Blake et al. 1995,1355 Broxton and Eller 1995, 1162).

Analytes above SALs in TA-16 waters include barium, manganese, and RDX. Barium is elevated above background in all TA-16 waters except for the outfall waters collected at buildings TA-16-300, TA-16-340 and TA-16-222. High barium is related to the use of Baratol, an explosive made from barium nitrate and TNT that was used extensively site-wide in many explosive components from 1945 through the 1950s. In addition to the remobilization of barium from the soil in the outfall at PRS 16-021(c), discharges from the TA-16-260 outfall (0.5 ppm) are a potential source for elevated levels of barium in Burning Ground and SWSC Line springs

TABLE C-3

MAJOR ELEMENTS OF TA-16 WATERS

SAMPLE ID	DESCRIPTION	DATE	BORON (ppm)	BROMINE (ppm)	CALCIUM (ppm)	CHLORINE (ppm)	FLUORINE (ppm)	HYDROGEN CARBONATE (ppm)	LITHIUM (ppm)	MAGNESIUM (ppm)	POTASSIUM (ppm)	SODIUM (ppm)	SILICATE (ppm) calc	SULFATE (ppm)	STRONTIUM (ppm)	TOTAL DISSOLVED SOLVENTS (ppm)	CATION SUM	ANION SUM
Springs/Seeps																		
PP94-50	Burning Ground Spring	4/15/94	0.01	0.08	18.7	21.8	0.20	87.4	<0.01	4.86	3.30	21.4	49.86	8.31	0.14	220.5	2.461	2.279
NMED	Burning Ground Spring	8/12/94	<0.1	NA[a]	20	15	0.2	92	NA	4.9	5	19	NC[b]	10	0.1	NC	NC	NC
NMED	Burning Ground Spring	3/17/95	<0.01	<0.4	14	19	<0.5	85	<0.01	4.5	3	25	NC	30	<0.01	180	NC	NC
SSite96-5	Burning Ground Spring	3/01/96	0.021	0.09	17.5	16.6	0.16	104	<0.01	5.03	3.33	25.4	47.72	9.84	0.11	206.8	0.121	4.851
SSite96-17	Burning Ground Spring	4/10/96	0.021	0.07	16.4	14.3	0.14	100	<0.01	4.71	3.26	24.0	46.44	9.02	0.11	223.8	2.396	2.313
NMED	Martin Spring	5/12/95	1.4	<0.5	24	19	<0.5	104	<0.01	6	3	22	NC	20	0.12	200	NC	NC
PP95-132	Martin Spring	7/21/95	1.58	0.13	24.6	20.2	0.61	122	0.01	5.71	3.31	30.9	47.08	17.9	0.13	290.2	3.164	3.298
SSite96-4	Martin Spring	3/01/96	1.81	0.16	28.1	20.6	0.70	130	0.01	6.45	2.89	34.1	51.36	20.7	0.14	275.3	0.552	6.047
SSite96-15	Martin Spring	4/10/96	1.81	0.16	28.1	20.3	0.67	137	0.01	6.47	2.85	36.4	52.00	21.0	0.16	325.9	3.618	3.675
PP94-74	SWSC Spring	8/12/94	0.026	0.09	18.4	17.3	0.18	92.9	<0.01	4.97	3.04	20.2	45.37	10.2	0.13	219	2.318	2.322
NMED	SWSC Spring	8/12/94	<0.1	NA	18	15	0.2	90	NA	5.4	5	19	NC	10	0.1	NC	NC	NC
NMED	SWSC Spring	3/17/95	<0.01	<0.4	16	19	<0.5	80	<0.01	4.8	3	24	NC	31	<0.01	174	NC	NC
SSite96-18	SWSC Spring	4/10/96	0.029	0.09	16.3	14.3	0.13	100	<0.01	4.83	3.26	24.8	46.44	9.18	0.11	225.2	2.419	2.324
SSite96-6	SWSC Spring	3/01/96	0.033	0.10	18.2	16.8	0.16	104	<0.01	5.19	3.38	25.4	44.94	10.1	0.12	206.6	0.132	4.851
NMED	Fish Ladder Seep	6/2/95	0.2	NA	4	7	<0.5	25	0.02	1	<1	12	NC	84	0.04	250	NC	NC
SSite96-11	Fish Ladder Seep	3/27/96	0.040	<0.01	5.44	5.21	0.07	11.5	0.04	1.88	3.10	9.36	72.55	17.7	0.04	130.2	1.141	0.709
NMED	Peter Seep	6/2/95	0.04	NA	15	16	<0.5	83	<0.01	4	3	16	NC	18	0.11	140	NC	NC
Outfalls																		
—	260 outfall	—	0.02	NA	11	NA	NA	NA	NA	3	NA	NA	NC	NA	0.05	NC	NC	NC
PP95-133	300 outfall	7/21/95	0.035	<0.02	8.95	2.55	0.20	64	0.02	2.21	2.25	10.8	63.56	1.82	0.05	159.2	1.226	1.197
—	300 outfall	—	0.02	NA	9	NA	NA	NA	NA	3	NA	NA	NC	NA	0.05	NC	NC	NC
—	340 outfall	—	0.02	NA	10	NA	NA	NA	NA	4	NA	NA	NC	NA	0.05	NC	NC	NC
SSite96-10	340 outfall	3/27/96	0.021	0.04	11.1	2.94	0.21	67.6	0.03	3.68	2.58	12.7	84.32	2.32	0.06	195.5	1.496	1.500
SSite96-21	Silver outfall	4/10/96	0.020	0.04	9.09	2.63	0.18	66.5	0.03	3.03	2.31	11.7	81.32	3.75	0.04	183.7	1.306	1.296
Creeks																		
PP95-134	300-line Canyon TA-16	7/21/95	0.21	0.03	13.4	3.79	0.21	83	0.01	3.41	5.36	13.6	33.17	5.16	0.09	163.2	1.741	1.609
SSite95-1	Cañon de Valle Creek	3/17/95	0.038	0.03	13.5	16.8	0.14	69.9	<0.01	4.12	3.08	18.2	29.10	15.5	0.13	175.5	1.983	1.953
SSite95-2	Cañon de Valle Creek	3/17/95	0.033	0.07	14.8	20.9	0.20	81.0	<0.01	4.48	3.24	22.1	35.74	9.78	0.11	196.8	2.222	2.143
SSite95-3	Cañon de Valle Creek	3/17/95	0.015	0.08	19.6	22.9	0.27	92.6	<0.01	5.48	3.88	22.7	47.08	11.1	0.12	233.6	2.588	2.47
MDA P S-1	Cañon de Valle Creek	4/94	NA	NA	19	NA	NA	NA	NA	5.6	3	21	NC	NA	NA	NC	NC	NC
MDA P S-2	Cañon de Valle Creek	4/94	NA	NA	19	NA	NA	NA	NA	5.5	3.1	20	NC	NA	NA	NC	NC	NC
MDA P S-3	Cañon de Valle Creek	4/94	NA	NA	19	NA	NA	NA	NA	5.5	2.5	20	NC	NA	NA	NC	NC	NC
MDA P S-4	Cañon de Valle Creek	4/94	NA	NA	18	NA	NA	NA	NA	5.3	2.7	20	NC	NA	NA	NC	NC	NC
MDA P S-5	Cañon de Valle Creek	4/94	NA	NA	18	NA	NA	NA	NA	5.2	2.8	20	NC	NA	NA	NC	NC	NC
MDA P S-6	Cañon de Valle Creek	4/94	NA	NA	17	NA	NA	NA	NA	5.1	2.5	20	NC	NA	NA	NC	NC	NC
PP94-52	Snowmelt, Cañon de Valle	4/15/94	<0.01	<0.02	7.56	1.50	0.04	38.0	<0.01	2.26	1.47	3.29	25.89	3.39	0.07	84.4	0.827	0.738
PP94-51	Weirbox, Cañon de Valle	4/15/94	0.04	0.07	15.5	19.8	0.23	82.0	<0.01	4.09	2.89	20.0	35.31	7.76	0.14	191.3	2.147	2.079

TABLE C-3 (CONTINUED)

MAJOR ELEMENTS OF TA-16 WATERS

SAMPLE ID	DESCRIPTION	DATE	BORON (ppm)	BROMINE (ppm)	CALCIUM (ppm)	CHLORINE (ppm)	FLUORINE (ppm)	HYDROGEN CARBONATE (ppm)	LITHIUM (ppm)	MAGNESIUM (ppm)	POTASSIUM (ppm)	SODIUM (ppm)	SILICATE (ppm) calc	SULFATE (ppm)	STRONTIUM (ppm)	TOTAL DISSOLVED SOLVENTS (ppm)	CATION SUM	ANION SUM
Assorted locations																		
SSite96-8	90s-line Drainage	3/05/96	0.049	0.12	9.19	16.7	0.74	311	0.04	2.20	6.24	134	145.73	17.5	0.05	636.0	0.089	14.453
SSite96-19	90s-line Drainage	4/10/96	0.056	0.10	10.3	27.8	0.61	345	0.05	2.36	7.97	154	150.23	13.7	0.07	749.4	7.751	7.696
SSite96-9	90s-line Pond	3/05/96	0.007	0.01	5.05	0.98	0.14	23.7	<0.01	1.12	2.71	1.76	3.60	0.84	0.05	54.3	0.025	1.130
SSite96-20	90s-line Pond	4/10/96	0.017	<0.01	7.42	1.26	0.18	32.2	<0.01	1.27	4.12	2.89	5.84	0.81	0.07	59.8	0.873	0.591
PP95-135	K-Site	7/21/95	0.74	0.11	15.3	15.4	0.28	85	0.01	3.54	8.90	24.4	29.96	14.2	0.09	208.3	2.525	2.327
SHB-3	TA-16 well	7/20/93	0.09	0.02	16	7.54	0.28	0	0.04	0.85	15.50	24	82.40	7.54	0.2	205.7	2.33	2.284
SSite96-7	WWTP	3/05/96	0.022	0.03	30.2	216	0.30	101	0.04	9.17	9.65	117	76.61	3.80	0.14	319.5	0.411	4.791
SSite96-16	WWTP	4/10/96	0.017	<0.01	23.5	136	0.11	93.2	0.02	7.87	6.03	80.9	83.03	3.06	0.11	440.1	5.677	5.482
Background springs																		
SSite96-13	Apache Spring	4/03/96	0.005	0.01	10.9	7.72	0.04	69.0	<0.01	4.86	4.75	9.77	56.07	5.93	0.10	171.1	1.532	1.498
44	Cold Spring west cal	6/1/80	0.73	0.06	12	1.9	0.25	53.7	0.03	1.5	3	8	30.00	5.5	0.06	NC	NC	NC
62	Frijoles Spring #49	5/22/91	<0.01	<0.02	8	14	0.03	39	<0.01	2.98	2.9	6.8	17.00	3.85	0.09	NC	NC	NC
63	Frijoles Spring #50	5/22/91	<0.01	<0.02	7.9	6.11	0.04	53.6	<0.01	3.71	2.5	7.2	25.00	2.66	0.07	NC	NC	NC
66	Pine Spring	5/24/91	<0.01	<0.02	10.7	1.47	0.08	61	<0.01	3.55	3.6	6.4	25.00	7.7	0.08	NC	NC	NC
0	Pine Spring	3/26/95	0.02	<0.4	11	<5	<0.5	NA	0.01	3.6	3	5.1	NC	66	0.09	NC	NC	NC
0	Pine Spring	10/16/95	<0.1	NA	10	2	<0.2	48	<0.01	3	3	6	NC	<10	0.07	NC	NC	NC
44	Seven Springs	10/1/79	<0.003	NA	12.3	3.6	0.21	49	0.018	1.54	2.1	7.23	41.00	8.7	0.071	NC	NC	NC
44	Seven Springs	5/1/83	NA	0.27	11	1.9	0.25	53.7	0.05	1.4	4	8	30.00	5.9	0.05	NC	NC	NC
76	Seven Springs	5/10/91	<0.02	<0.02	12.9	1.22	0.16	61	<0.01	1.71	2.4	6.3	31.00	3.85	0.06	NC	NC	NC
SSite96-12	Seven Springs	4/3/96	0.013	<0.01	12.5	1.85	0.12	59.5	<0.01	1.63	2.13	7.26	31.03	4.03	0.06	121.5	1.148	1.137
52	Unnamed Cold	7/1/80	<0.01	<0.2	10.6	7.1	0.3	75	0.024	3.4	3.1	9.4	65.00	3.4	0.049	NC	NC	NC
53	Unnamed Cold	7/1/80	<0.01	<0.2	10.4	7.5	0.35	73	0.024	3.4	3.2	9	69.00	2.4	0.051	NC	NC	NC
67	Unnamed Spring	5/28/91	<0.01	<0.02	9.1	1.34	0.14	56.1	<0.01	2.44	4.6	7	21.00	5.73	0.05	NC	NC	NC
89	Unnamed Spring	9/10/93	<0.05	0.02	11.4	4.38	0.34	80.8	0.03	2.9	2.49	16.2	60.10	4.04	0.1	NC	NC	NC
1	Water Canyon Gallery	8/1/78	<0.05	NA	7	NA	0.12	52	0.02	3.3	1.4	5.8	43.00	NA	0.05	NC	NC	NC
25	Water Canyon Gallery	8/18/92	<0.05	<0.02	7.2	0.64	0.05	52.8	<0.01	3.05	1.72	6.3	43.70	1.05	0.07	NC	NC	NC
25	Water Canyon Gallery	5/20/93	<0.01	0.01	6.94	0.69	0.06	44.6	0.01	2.79	1.79	4.9	39.80	2.85	0.07	NC	NC	NC
SSite96-14	Water Canyon Gallery	4/03/96	0.004	<0.01	6.18	0.77	0.03	48.9	0.02	3.15	1.75	5.99	44.30	1.20	0.05	113.6	0.900	0.865

[a] NA = Not analyzed.
[b] NC = Not calculated.

TABLE C-4

MINOR ELEMENTS OF TA-16 WATERS

SAMPLE ID	DESCRIPTION	DATE	SILVER (ppm)	ALUMINUM (ppm)	ARSENIC (ppm)	BARIUM (ppm)	CADMIUM (ppm)	COBALT (ppm)	CHROMIUM (ppm)	CESIUM (ppm)	COPPER (ppm)	IRON (ppm)	MERCURY (ppm)	IODINE (ppm)	MANGANESE (ppm)	MOLYBDENUM (ppm)	AMMONIUM (ppm)	NICKEL (ppm)	NITRITE (ppm)	NITRATE (ppm)	LEAD (ppm)	PHOSPHATE (ppm)	RUBIDIUM (ppm)	ANTIMONY (ppm)	SELENIUM (ppm)	THIOSULFATE (ppm)	ZINC (ppm)
Springs/Seeps																											
PP94-50	Burning Ground Spring	4/15/94	<0.0005	0.75	0.0008	0.29	0.0003	<0.002	<0.002	<0.002	0.004	0.31	0.0002	<0.01	<0.01	<0.002	0.10	0.005	<0.02	2.91	0.003	<0.05	0.005	<0.0002	<0.0002	<0.01	0.01
NMED	Burning Ground Spring	8/12/94	<0.1	0.4	0.0005	0.3	<0.001	<0.001	0.002	NA[a]	<0.01	0.3	<0.0005	NA	<0.05	<0.001	NA	<0.1	NA	1.1	<0.001	NA	NA	NA	<0.005	NA	<0.1
NMED	Burning Ground Spring	3/17/95	<0.01	0.4	<0.005	0.3	<0.005	<0.01	<0.01	NA	<0.01	0.1	<0.0002	NA	<0.01	<0.01	NA	<0.02	NA	NA	<0.003	NA	NA	<0.08	<0.005	NA	<0.02
SSite96-5	Burning Ground Spring	3/01/96	0.0004	0.55	0.0035	0.23	<0.001	<0.002	<0.002	<0.002	0.004	0.22	0.0002	<0.01	<0.01	0.002	0.05	<0.002	<0.02	3.91	<0.002	0.44	0.005	<0.0002	<0.0002	<0.01	0.01
SSite96-17	Burning Ground Spring	4/10/96	<0.0002	0.41	0.0009	0.21	<0.0002	<0.002	<0.002	0.003	<0.002	0.16	<0.0002	<0.01	<0.01	0.003	0.05	0.002	<0.01	4.08	<0.002	0.42	0.006	<0.0001	<0.0001	<0.01	<0.01
NMED	Martin Spring	5/12/95	<0.01	<0.2	<0.01	0.2	<0.005	<0.01	<0.01	NA	<0.01	<0.1	<0.003	NA	<0.01	<0.01	NA	<0.02	NA	NA	<0.003	NA	NA	<0.02	<0.005	NA	<0.02
PP95-132	Martin Spring	7/21/95	<0.0005	0.16	0.0013	0.17	<0.0002	<0.002	<0.002	<0.002	<0.002	0.06	<0.0002	<0.01	<0.01	0.007	0.19	<0.002	0.04	15.2	<0.002	0.21	0.003	<0.0002	<0.0002	<0.01	0.01
SSite96-4	Martin Spring	3/01/96	<0.0002	0.08	0.0019	0.19	<0.001	<0.002	<0.002	<0.002	0.005	0.04	0.0006	0.04	<0.01	0.009	0.10	0.003	<0.02	18.3	<0.002	0.28	0.002	<0.0002	<0.0002	<0.01	0.01
SSite96-15	Martin Spring	4/10/96	<0.0002	0.16	0.0018	0.19	<0.0002	<0.002	0.002	0.002	<0.002	0.01	<0.0002	0.03	<0.01	0.010	0.03	<0.002	<0.01	18.3	<0.002	0.21	0.004	0.0001	<0.0001	<0.01	<0.01
PP94-74	SWSC Spring	8/12/94	<0.0005	0.09	<0.0005	0.32	0.0006	<0.002	<0.002	<0.002	0.018	0.07	<0.0002	<0.01	0.06	<0.002	0.15	0.003	<0.01	5.32	<0.002	0.09	0.002	<0.0002	<0.0002	<0.01	0.10
NMED	SWSC Spring	8/12/94	<0.1	0.3	0.001	0.3	<0.001	<0.05	<0.001	NA	<0.01	0.2	<0.0005	NA	<0.001	<0.1	NA	<0.1	NA	1	<0.001	NA	NA	NA	<0.005	NA	0.02
NMED	SWSC Spring	3/17/95	<0.01	0.9	<0.005	0.3	<0.005	<0.01	<0.01	NA	<0.01	0.4	<0.0002	NA	<0.01	<0.01	NA	<0.02	NA	NA	<0.003	NA	NA	<0.08	<0.005	NA	0.04
SSite96-18	SWSC Spring	4/10/96	<0.0002	0.29	0.0016	0.27	<0.0002	<0.002	<0.002	0.002	<0.002	0.10	<0.0002	<0.01	<0.01	0.003	0.04	<0.002	<0.01	4.60	<0.002	0.41	0.005	<0.0001	<0.0001	<0.01	<0.01
SSite96-6	SWSC Spring	3/01/96	0.0003	0.52	0.0016	0.28	<0.001	<0.002	<0.002	<0.002	0.003	0.22	<0.0002	<0.01	<0.01	0.002	0.07	0.004	0.07	4.31	<0.002	0.33	0.006	<0.0002	<0.0002	<0.01	0.01
NMED	Fish ladder Seep	6/2/95	<0.01	2	<0.01	1.7	<0.005	<0.01	<0.01	NA	<0.01	1	<0.0002	NA	0.01	<0.1	NA	<0.02	NA	0.1	0.003	0.27	NA	<0.02	0.006	NA	0.06
SSite96-11	Fish ladder Seep	3/27/96	<0.0002	1.20	0.0024	0.29	<0.0002	<0.002	0.002	<0.002	0.006	1.28	<0.0002	<0.01	0.05	<0.002	0.22	0.003	<0.01	<0.02	0.005	<0.05	0.003	<0.0001	<0.0001	<0.01	0.04
NMED	Peter Seep	6/2/95	<0.01	<0.2	<0.01	1	<0.005	<0.01	<0.01	NA	<0.01	<0.1	<0.0002	NA	<0.01	<0.1	NA	<0.02	NA	0.5	<0.003	0.12	NA	<0.02	<0.005	NA	0.07
Outfalls																											
—	260 outfall	—	NA	NA	NA	0.5	NA	NA	NA	NA	0.01	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PP95-133	300 outfall	7/21/95	<0.0005	0.04	0.0013	0.04	<0.0002	<0.002	<0.002	0.006	0.010	0.39	<0.0002	<0.01	<0.01	0.009	0.71	<0.002	0.09	1.44	<0.002	<0.02	0.004	0.0003	<0.0002	<0.01	0.02
—	300 outfall	—	NA	NA	NA	NA	NA	NA	NA	NA	0.02	NA	NA	NA	NA	0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
—	340 outfall	—	NA	NA	NA	NA	NA	NA	NA	NA	0.01	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.02
SSite96-10	340 outfall	3/27/96	<0.0002	0.09	0.0028	0.03	<0.0002	<0.002	0.005	<0.002	0.003	0.03	<0.0002	<0.01	<0.01	0.004	0.08	<0.002	<0.01	0.50	<0.002	<0.05	0.006	0.0002	<0.0001	<0.01	<0.01
SSite96-21	Silver outfall	4/10/96	0.0037	0.11	0.0017	0.03	<0.0002	<0.002	0.006	<0.002	0.003	0.04	<0.0002	<0.01	<0.01	<0.002	0.27	<0.002	0.25	2.31	<0.002	<0.05	0.004	<0.0001	<0.0001	<0.01	0.02
Creeks																											
PP95-134	300-line Canyon TA-16	7/21/95	<0.0005	0.32	0.0019	0.24	0.0008	<0.002	<0.002	<0.002	<0.002	0.21	<0.0002	<0.01	0.02	0.007	0.14	0.008	<0.01	0.17	0.002	0.85	0.003	<0.0002	<0.0002	<0.01	0.01
SSite95-1	Cañon de Valle Creek	3/17/95	<0.0005	0.51	0.0003	3.28	0.0016	<0.002	<0.002	<0.002	0.031	0.58	<0.0002	<0.01	0.04	<0.002	0.21	<0.002	<0.02	0.10	0.004	<0.05	0.002	0.0004	<0.0002	<0.01	0.15
SSite95-2	Cañon de Valle Creek	3/17/95	<0.0005	0.68	0.0008	2.44	<0.0002	<0.002	<0.002	<0.002	0.020	0.32	<0.0002	<0.01	0.01	<0.002	0.28	0.005	<0.02	0.55	<0.002	<0.05	0.004	0.0002	<0.0002	<0.01	0.02
SSite95-3	Cañon de Valle Creek	3/17/95	<0.0005	2.39	0.0008	0.43	<0.0002	<0.002	<0.002	<0.002	0.020	0.97	<0.0002	<0.01	<0.01	<0.002	0.20	0.002	<0.02	3.71	<0.002	<0.05	0.005	<0.0002	<0.0002	<0.01	0.02
MDA P S-1	Cañon de Valle Creek	4/94	ND[b]	0.31	ND	3	ND	ND	ND	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	0.1	ND	NA	NA	ND	ND	NA	ND
MDA P S-2	Cañon de Valle Creek	4/94	ND	0.56	ND	3	ND	ND	ND	NA	ND	0.34	ND	NA	ND	NA	NA	ND	NA	0.12	ND	NA	NA	ND	ND	NA	ND
MDA P S-3	Cañon de Valle Creek	4/94	ND	0.74	ND	3.1	ND	ND	ND	NA	ND	0.35	ND	NA	ND	NA	NA	ND	NA	ND	ND	NA	NA	ND	0.003	NA	ND
MDA P S-4	Cañon de Valle Creek	4/94	ND	0.37	ND	3.4	ND	ND	ND	NA	ND	0.31	ND	NA	ND	NA	NA	ND	NA	ND	ND	NA	NA	ND	ND	NA	ND
MDA P S-5	Cañon de Valle Creek	4/94	ND	0.18	ND	3.4	ND	ND	ND	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	ND	ND	NA	NA	ND	ND	NA	ND
MDA P S-6	Cañon de Valle Creek	4/94	ND	ND	ND	3.3	ND	ND	ND	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	ND	ND	NA	NA	0.003	ND	NA	ND
PP94-52	Snowmelt, Cañon de Valle	4/15/94	<0.0005	0.59	<0.0005	0.05	0.0004	<0.002	<0.002	<0.002	0.008	0.20	<0.0002	<0.01	<0.01	<0.002	0.08	<0.002	<0.02	<0.02	<0.002	<0.05	<0.002	<0.0002	<0.0002	<0.01	<0.01
PP94-51	Weirbox, Cañon de Valle	4/15/94	<0.0005	0.29	0.0016	2.90	<0.0002	<0.002	<0.002	<0.002	0.003	0.16	0.0006	<0.01	0.02	<0.002	0.11	0.008	<0.02	<0.02	<0.002	<0.05	0.004	<0.0002	<0.0002	<0.01	<0.01
Springs/Seeps																											
SSite96-8	90s-line Drainage	3/05/96	<0.0002	2.12	0.0053	0.08	<0.001	<0.002	0.002	<0.002	0.011	1.30	<0.0002	<0.01	0.02	0.004	0.12	0.005	<0.02	0.02	0.002	10.3	0.003	0.0008	<0.0002	<0.01	0.02
SSite96-19	90s-line Drainage	4/10/96	0.0002	0.83	0.0040	0.05	<0.0002	0.002	0.002	<0.002	0.010	0.87	<0.0002	<0.01	0.04	0.003	0.11	0.005	<0.01	<0.02	0.002	18.1	0.005	0.0004	0.0001	<0.01	<0.01
SSite96-9	90s-line Pond	3/05/96	<0.0002	0.71	0.0008	1.44	<0.001	<0.002	<0.002	<0.002	0.005	0.48	<0.0002	<0.01	<0.01	<0.002	0.14	<0.002	<0.02	0.09	<0.002	<0.05	0.002	<0.0002	<0.0002	<0.01	0.02
SSite96-20	90s-line Pond	4/10/96	<0.0002	0.94	0.0017	2.27	0.0012	<0.002	<0.002	<0.002	0.007	0.49	<0.0002	<0.01	<0.01	<0.002	0.03	0.005	<0.01	<0.02	0.002	<0.05	0.002	0.0001	<0.0001	<0.01	<0.01
PP95-135	K-Site	7/21/95	<0.0005	0.87	0.0045	0.20	0.0015	<0.002	<0.002	<0.002	0.014	1.12	<0.0002	<0.01	0.32	0.025	0.10	0.004	5.72	0.51	<0.002	1.39	0.007	0.0003	<0.0002	<0.01	0.03
SHB-3	TA-16 well	7/20/93	<0.001	<0.05	<0.001	0.08	<0.0005	<0.002	0.005	0.002	0.014	0.08	<0.001	<0.01	<0.01	0.11	0.48	0.005	<0.02	0.52	0.022	0.02	0.089	<0.001	<0.001	NA	0.14
SSite96-7	WWTP	3/05/96	<0.0002	0.07	0.0018	0.08	<0.001	<0.002	0.004	0.004	0.008	0.20	<0.0002	<0.01	0.01	0.002	6.04	<0.002	<0.02	2.09	<0.002	2.24	0.017	0.0004	0.0004	<0.01	0.03
SSite96-16	WWTP	4/10/96	<0.0002	0.08	0.0016	0.08	<0.0002	<0.002	0.004	0.002	0.003	0.05	<0.0002	<0.01	0.01	0.079	3.02	<0.002	<0.01	1.59	<0.002	1.36	0.018	<0.0001	<0.0001	<0.01	<0.01
Background springs																											
SSite96-13	Apache Spring	4/03/96	<0.0002	0.28	<0.0002	0.07	<0.0002	<0.002	<0.002	<0.002	<0.002	0.10	<0.0002	<0.01	<0.01	<0.002	0.04	<0.002	0.02	1.33	<0.002	0.07	0.010	<0.0001	<0.0001	<0.01	<0.01
44	Cold Spring west cal	6/1/80	NA	NA	NA	0.02	0.003	NA	NA	NA	NA	0.2	NA	NA	NA	NA	NA	NA	NA	0.19	NA	NA	NA	NA	NA	NA	NA
62	Frijoles Spring #49	5/22/91	<0.001	1	<0.05	0.08	<0.001	<0.002	<0.002	<0.005	0.003	2.12	<0.1	<0.01	<0.02	<0.002	0.09	<0.002	<0.02	0.3	<0.002	<0.05	0.006	<0.05	<0.1	NA	<0.01
63	Frijoles Spring #50	5/22/91	<0.001	0.5	<0.05	0.03	<0.001	<0.002	<0.002	<0.005	0.003	1.08	<0.1	<0.01	<0.02	<0.002	0.08	<0.002	<0.02	0.71	<0.002	0.11	0.007	<0.05	<0.1	NA	0.02
66	Pine Spring	5/24/91	<0.003	1.4	<0.05	0.05	<0.001	<0.002	0.004	0.006	0.004	4.17	<0.1	<0.01	<0.02	<0.002	0.24	<0.002	<0.02	0.04	0.003	<0.05	0.007	<0.05	<0.1	NA	0.07
0	Pine Spring	3/26/95	<0.01	1	<0.005	0.1	<0.005	<0.01	<0.01	NA	<0.01	0.5	<0.0002	NA	<0.01	<0.01	NA	<0.02	NA	0.2	<0.003	NA	NA	<0.08	<0.005	NA	<0.02
0	Pine Spring	10/18/95	<0.01	<0.2	<0.01	<0.1	<0.005	<0.01	<0.01	NA	<0.01	<0.1	<0.0002	NA	<0.01	<0.01	NA	<0.02	NA	0.1	<0.003	NA	NA	<0.02	<0.005	NA	<0.02
44	Seven Springs	10/1/79	<0.03	0.2	NA	0.038	<0.03	<0.06	0.001	NA	<0.04	0.038	NA	NA	0.001	0.001	NA	<0.06	NA	NA	<0.14	NA	NA	NA	NA	NA	<0.01
44	Seven Springs	5/1/83	NA	0.2	NA	0.02	0.003	NA	NA	NA	NA	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
76	Seven Springs	5/10/91	<0.001	<0.1	<0.05	0.01	<0.001	<0.002	0.011	<0.005	<0.002	0.52	<0.1	<0.01	<0.02	<0.002	0.04	<0.002	<0.02	0.47	<0.002	<0.05	0.02	<0.1	<0.1	NA	0.01
SSite96-12	Seven Springs	4/3/96	<0.0002	0.12	0.0004	0.02	<0.0002	<0.002	<0.002	<0.002	0.002	0.02	<0.0002	<0.01	<0.01	<0.002	0.08	<0.002	<0.01	1.16	<0.002	<0.05	0.019	<0.0001	0.0003	<0.01	0.01
52	Unnamed Cold	7/1/80	<0.03	NA	NA	0.016	<0.001	<0.001	<0.001	NA	<0.001	0.15	NA	NA	0.002	<0.002	NA	<0.002	NA	<0.2	<0.004	<0.2	NA	NA	NA	NA	0.024
53	Unnamed Cold	7/1/80	<0.03	NA	NA	0.022	<0.001	<0.001	0.004	NA	<0.001	1.19	NA	NA	0.135	<0.002	NA	<0.002	NA	0.7	<0.004	<0.2	NA	NA	NA	NA	0.008
67	Unnamed Spring	5/28/91	<0.001	3.8	<0.05	0.08	0.001	<0.002	0.004	0.007	0.007	13.4	<0.1	<0.01	<0.02	<0.002	0.38	<0.002	<0.02	0.09	0.005	<0.05	0.01	<0.05	<0.1	NA	0.06
89	Unnamed Spring	9/10/93	<0.0005	0.6	0.006	0.03	<0.0002	<0.002	0.003	<0.002	0.008	0.44	<0.0002	<0.01	<0.01	<0.002	0.16	<0.002	<0.01	1.62	0.002	<0.02	0.007	<0.002	<0.002	NA	0.1
1	Water Canyon Gallery	8/1/78	<0.03	NA	NA	<0.12	<0.03	<0.06	<0.03	NA	<0.04	<0.04	NA	NA	<0.02	<0.1	NA	<0.05	NA	NA	<0.14	NA	NA	NA	NA	NA	<0.01
25	Water Canyon Gallery	8/18/92	<0.001	<0.1	<0.05	0.01	<0.001	<0.002	0.003	<0.002	<0.002	<0.01	0	<0.02	<0.01	0.009	<0.05	<0.002	<0.02	0.48	0.004	<0.05	0.004	<0.1	0	NA	0.02
25	Water Canyon Gallery	5/20/93	<0.001	0.2	<0.05	0.02	0.001	<0.002	<0.002	<0.002	0.002	0.05	0	<0.01	<0.01	<0.002	<0.02	<0.002	<0.01	0.98	0.005	0.07	0.008	<0.1	0	NA	0.05
SSite96-14	Water Canyon Gallery	4/03/96	<0.0002	0.15	0.0004	0.01	<0.0002	<0.002	<0.002	<0.002	<0.002	0.05	<0.0002	<0.01	<0.01	<0.002	0.06	<0.002	0.02	0.91	<0.002	<0.05	0.006	<0.0001	<0.0001	<0.01	<0.01

[a] NA = Not analyzed.
[b] NC = Not calculated.

TABLE C-5

HIGH EXPLOSIVES IN TA-16 WATERS

SAMPLE ID	DESCRIPTION	DATE	A-DNT (ppm)	DNT (ppm)	HMX (ppm)	NQ (ppm)	PETN (ppm)	RDX (ppm)	1,3,5-TNB (ppm)	TNT (ppm)
SAL[a]	N/A[b]	N/A	NC[c]	NC	1.8	3.7	0.7	0.00061	0.0018	0.0022
Springs/Seeps										
PP94-50	Burning Ground Spring	4/15/94	NA[d]	NA	<0.02	<0.01	<0.05	<0.02	NA	<0.02
NMED	Burning Ground Spring	8/12/94	NA	NA	NA	NA	NA	NA	NA	NA
NMED	Burning Ground Spring	3/17/95	NA	NA	NA	NA	NA	NA	NA	NA
SSite96-5	Burning Ground Spring	3/01/96	NA	NA	0.04	<0.01	<0.05	0.01	NA	<0.01
SSite96-17	Burning Ground Spring	4/10/96	NA	NA	<0.02	<0.01	<0.05	<0.01	NA	<0.01
NMED	Martin Spring	5/12/95	0.0033	ND[e]	0.011	NA	NA	0.1	ND	ND
PP95-132	Martin Spring	7/21/95	NA	NA	0.05	<0.01	<0.05	0.11	NA	<0.02
SSite96-4	Martin Spring	3/01/96	NA	NA	0.03	<0.01	<0.05	0.11	NA	<0.01
SSite96-15	Martin Spring	4/10/96	NA	NA	0.02	<0.01	<0.05	0.12	NA	<0.01
PP94-74	SWSC Spring	8/12/94	NA	NA	<0.02	<0.01	<0.05	<0.02	NA	<0.02
NMED	SWSC Spring	8/12/94	NA	NA	NA	NA	NA	NA	NA	NA
NMED	SWSC Spring	5/12/95	0.0023	ND	0.0055	NA	NA	0.083	ND	ND
SSite96-18	SWSC Spring	4/10/96	NA	NA	<0.02	<0.01	<0.05	<0.01	NA	<0.01
SSite96-6	SWSC Spring	3/01/96	NA	NA	0.03	<0.01	<0.05	0.02	NA	<0.01
NMED	Fish ladder Seep	6/2/95	ND	ND	0.0076	NA	NA	0.0027	ND	ND
SSite96-11	Fish ladder Seep	3/27/96	NA	NA	<0.02	<0.01	<0.05	<0.01	NA	<0.01
NMED	Peter Seep	6/2/95	ND	ND	ND	NA	NA	ND	ND	ND
Outfalls										
—	260 outfall	—	NA	NA	1.1	NA	NA	0.077	NA	0.068
SSite96-25	260 outfall (filtered)	7/12/96	NA	0.146	1.213	NA	NA	0.484	0.418	19.998
SSite96-25	260 outfall (unfiltered)	7/12/96	NA	0.145	1.15	NA	NA	0.419	NA	21.201
PP95-133	300 outfall	7/21/95	NA	NA	0.02	<0.01	<0.05	0.02	NA	<0.02
—	300 outfall	—	NA	NA	NA	NA	NA	NA	NA	0.068
—	340 outfall	—	NA	NA	0.0046	NA	NA	NA	NA	0.068
SSite96-10	340 outfall	3/27/96	NA	NA	<0.02	<0.01	<0.05	<0.01	NA	<0.01
SSite96-21	Silver outfall	4/10/96	NA	NA	<0.02	<0.01	<0.05	<0.01	NA	<0.01
Creeks										
PP95-134	300-line canyon TA-16	7/21/95	NA	NA	<0.02	<0.01	<0.05	<0.02	NA	<0.02
SSite95-1	Cañon de Valle Creek	3/17/95	NA	NA	0.04	<0.01	<0.05	0.07	NA	<0.02
SSite95-2	Cañon de Valle Creek	3/17/95	NA	NA	0.05	<0.01	<0.05	0.12	NA	<0.02
MDA P S-1	Cañon de Valle Creek	4/94	NA	NA	NA	NA	NA	0.18	NA	NA
MDA P S-2	Cañon de Valle Creek	4/94	NA	NA	NA	NA	NA	0.152	NA	NA
MDA P S-3	Cañon de Valle Creek	4/94	NA	NA	NA	NA	NA	0.196	NA	NA
MDA P S-4	Cañon de Valle Creek	4/94	NA	NA	NA	NA	NA	0.133	NA	NA
MDA P S-5	Cañon de Valle Creek	4/94	NA	NA	NA	NA	NA	0.146	NA	NA
MDA P S-6	Cañon de Valle Creek	4/94	NA	NA	NA	NA	NA	0.162	NA	NA
SSite95-3	Cañon de Valle Creek	3/17/95	NA	NA	0.02	<0.01	<0.05	<0.02	NA	<0.02
PP94-52	Snowmelt, Cañon de Valle	4/15/94	NA	NA	<0.02	<0.01	<0.05	<0.02	NA	<0.02
PP94-51	Weirbox, Cañon de Valle	4/15/94	NA	NA	0.04	<0.01	<0.05	0.16	NA	<0.02
Assorted locations										
SSite96-8	90s-line Drainage	3/05/96	NA	NA	0.04	0.03	<0.05	<0.01	NA	<0.01
SSite96-19	90s-line Drainage	4/10/96	NA	NA	<0.02	0.03	<0.05	<0.01	NA	<0.01
SSite96-9	90s-line Pond	3/05/96	NA	NA	0.04	0.01	<0.05	<0.01	NA	<0.01
SSite96-20	90s-line Pond	4/10/96	NA	NA	<0.02	<0.01	<0.05	<0.01	NA	<0.01
PP95-135	K-Site	7/21/95	NA	NA	<0.02	<0.01	<0.05	<0.02	NA	<0.02
SSite96-7	WWTP	3/05/96	NA	NA	0.01	0.02	<0.05	<0.01	NA	<0.01
SSite96-16	WWTP	4/10/96	NA	NA	<0.02	<0.01	<0.05	<0.01	NA	<0.01
Background springs										
SSite96-13	Apache Spring	4/03/96	NA	NA	<0.02	<0.01	<0.05	<0.01	NA	<0.01
44	Cold Spring west cal	6/1/80	NA	NA	NA	NA	NA	NA	NA	NA
62	Frijoles Spring #49	5/22/91	NA	NA	NA	NA	NA	NA	NA	NA
63	Frijoles Spring #50	5/22/91	NA	NA	NA	NA	NA	NA	NA	NA
66	Pine Spring	5/24/91	NA	NA	NA	NA	NA	NA	NA	NA
0	Pine Spring	3/26/95	NA	NA	NA	NA	NA	NA	NA	NA
0	Pine Spring	10/16/95	NA	NA	NA	NA	NA	NA	NA	NA
44	Seven Springs	10/1/79	NA	NA	NA	NA	NA	NA	NA	NA
44	Seven Springs	5/1/83	NA	NA	NA	NA	NA	NA	NA	NA
76	Seven Springs	5/10/91	NA	NA	NA	NA	NA	NA	NA	NA
SSite96-12	Seven Springs	4/3/96	NA	NA	<0.02	<0.01	<0.05	<0.01	NA	<0.01
52	Unnamed Cold	7/1/80	NA	NA	NA	NA	NA	NA	NA	NA
53	Unnamed Cold	7/1/80	NA	NA	NA	NA	NA	NA	NA	NA
67	Unnamed Spring	5/28/91	NA	NA	NA	NA	NA	NA	NA	NA
89	Unnamed Spring	9/10/93	NA	NA	NA	NA	NA	NA	NA	NA
1	Water Canyon Gallery	8/1/78	NA	NA	NA	NA	NA	NA	NA	NA
25	Water Canyon Gallery	8/18/92	NA	NA	NA	NA	NA	NA	NA	NA
25	Water Canyon Gallery	5/20/93	NA	NA	NA	NA	NA	NA	NA	NA
SSite96-14	Water Canyon Gallery	4/03/96	NA	NA	<0.02	<0.01	<0.05	<0.01	NA	<0.01

[a] SAL=Screening action level.
[b] N/A= Not applicable.
[c] NC=Not calculated.
[d] NA=Not analyzed.
[e] ND=Not detected.

TABLE C-6

TRITIUM AND STABLE ISOTOPES IN TA-16 WATERS

SAMPLE ID	DESCRIPTION	DATE	∂D (‰)	∂18O (‰)	TRITIUM UNITS
Springs/Seeps					
SSite96-5	Burning Ground Spring	3/01/96	NA[a]	NA	-33.5
SSite96-17	Burning Ground Spring	4/10/96	--79.0	--11.8	NA
SSite96-27	Burning Ground Spring	7/12/96	--71.0	--11.1	NA
PP95-132	Martin Spring	7/21/95	--73.0	--11.2	-32.9
SSite96-4	Martin Spring	3/01/96	NA	NA	-0.2
SSite96-15	Martin Spring	4/10/96	--73.0	--11.2	NA
SSite96-23	Martin Spring	7/12/96	--66.0	--9.9	NA
SSite96-6	SWSC Spring	3/01/96	NA	NA	-35.7
SSite96-18	SWSC Spring	4/10/96	--76.0	--11.7	NA
SSite96-26	SWSC Spring	7/12/96	--64.0	--11.1	NA
SSite96-11	Fish ladder Seep	3/27/96	--70.0	--10.4	-11.3
Outfalls					
SSite96-10	340 outfall	3/27/96	NA	NA	-1.0
Assorted locations					
PP95-134	300-line canyon TA-16	7/21/95	--70.0	--7.6	-3.1
PP95-135	K-Site	7/21/95	--52.0	--7.9	-46.3
SSite96-8	90s-line Drainage	3/05/96	--64.0	--9.2	-3.9
SSite96-9	90s-line Pond	3/05/96	--43.0	--3.1	-51.9
SHB-3	TA-16 well	7/20/93	--75.1	--11.3	-0.9
SSite96-7	WWTP	3/05/96	NA	NA	-4.5

[a] NA=Not analyzed.

TABLE C-7

ORGANICS IN TA-16 WATERS

SAMPLE ID	DESCRIPTION	DATE	CIS-1,2-DICHLOROPROPENE (ppm)	TETRACHLOROETHENE (ppm)	TRICHLOROETHENE (ppm)
Springs/Seeps					
NMED	Burning Ground Spring	3/17/95	ND[a]	0.0028	0.0026
NMED	Burning Ground Spring	5/12/95	ND	0.0032	0.0034
NMED	Martin Spring	5/12/95	ND	ND	0.0009
NMED	SWSC Spring	3/17/95	ND	0.0023	0.0022
NMED	SWSC Spring	5/12/95	ND	0.0022	0.0024
NMED	Fish ladder Seep	6/2/95	ND	ND	0.0003
NMED	Peter Seep	6/2/95	0.021 D(5)	0.015	0.0031

[a] ND=Not detected.

(all approximately 0.3 ppm). These spring levels have remained fairly constant over the sampling period, but fall below the SAL. The highest levels of barium (≤ 3.28 ppm) occur in Cañon de Valle surface waters and in seeps (Peter and Fish Ladder) located in canyon bottoms. Fish Ladder Seep, which contained 1.7 ppm barium in 1995, was resampled in 1996 and showed lower levels of barium (0.29 ppm). Elevated levels of barium (2.27 and 1.44) were also found in the 90s-Line pond, which is located in the middle of the mesa. A complete sampling effort is needed to determine if barium levels are still high in surface waters and to determine connection with site-wide source waters. However, due to the differences in stable isotopic composition between springs and outfall waters, elevated barium is most likely related to leaching of historically-contaminated soils by rainwater.

Most background waters are below detection limits for manganese. Most TA-16 waters fall above background, but below SAL. However, one surface water sample (located at K-Site, Fig. C-1) had a value (0.32 ppm) above SAL. The reason for elevated levels of manganese in this sample has not been determined.

Many water samples at TA-16 contain high explosives (Table C-5). HMX, NQ, and TNT were detected, but are all at levels below SALs. Almost all positive analyses for RDX, a commonly used explosive at TA-16, fall above SAL levels. The water SAL for RDX is 0.006 ppm and TA-16 sample concentrations range up to 0.15 ppm. High levels of RDX (approximately 0.11 ppm) are found consistently in Martin Spring. Values at that spring appear to have increased slightly since 1995. Two Cañon de Valle creek samples collected in 1994 also gave high values. Not surprisingly, the highest RDX level recorded (0.484 ppm) was from waters collected at the TA-16-260 outfall. The TA-16-260 outfall also contains extremely high values of RDX in the soil (up to 118 000 ppm). Discharges from TA-16-260 contributed to contamination of the soils and potentially to spring waters until the outfall, which is currently scheduled to be plugged in fall 1996.

The limited set of tritium and stable isotope data (Table C-6) gives variable results for TA-16 spring, surface water, and outfall samples. The variability seen in the stable isotope data of TA-16 surface waters and springs most likely reflects isotopic changes associated with different storm events. All TA-16 waters analyzed are isotopically heavier than background spring waters because of the lower elevation at TA-16, but fall along the meteoric water line for the Jemez Mountains (Vuataz and Goff 1986, 0390). Pooling surface waters such as those collected below K-Site must reflect isotopically heavy, monsoon-season rainfall that has not had time to evaporate. The exceptionally heavy values for the 90s Line Pond are due to evaporation.

Burning Ground, SWSC, and Martin Springs have tritium values generally ranging from 29 to 36 tritium units (T.U.), and surface water samples reached values of ≤47 T.U. Tritium values of outfall waters are consistently ≤ 5 T.U., similar to waters from the main aquifer, implying that these waters contain a component that is much older than the recharge waters for TA-16 springs. Pre-bomb tritium was about 6 T.U. in precipitation. Tritium in precipitation today has decreased to 10 T.U. from a high of 2 700 T.U. in 1963, and will continue to decrease. Rainwaters at TA-16 and around LANL however are significantly higher, with values of about 12 to 60 T.U. from 1990—1993. Because TA-16 rain waters have shown evidence of anthropogenic impact, and because spring and surface waters give similar tritium results, it is believed that spring waters are recharged through local precipitation and are possibly ≤ 5 years old.

4.0 CONCLUSIONS

The purpose behind the systematic sampling of springs and outfalls at TA-16 was to link contamination in spring waters with known sources using the information already available for the springs. This study has shown possible chemical connections of outfall sediments to spring waters. Stable isotope data link spring and surface water recharge with local and relatively young precipitation. It is likely that the contamination in the Burning Ground and SWSC Springs are connected to the TA-16-260 outfall, whereas the source of contamination for Martin Spring is not as easily identified.

Martin Spring has a unique chemistry when compared with other TA-16 waters, consistently showing higher levels of boron and RDX. This spring appears to issue from Unit 4 of the Upper Bandelier Tuff, whereas Burning Ground and SWSC Line Springs issue from unit 3. Tritium values suggest that Martin Spring has a similar residence time (approximately 5 years) to the other springs at TA-16. Although more outfalls need to be sampled, the contamination is likely a product of precipitation-induced leaching of historically-contaminated soils into a saturated zone that surfaces at Martin Spring. V-site (Fig. C-1) is possibly the site of chemically-similar historic soil contamination because it is a site that is known to have handled boracitol. The potential release sites (PRSs) at V-site are scheduled to be investigated and remediated in association with decommissioning and decontamination (D&D) in 1997.

Burning Ground and SWSC Line Springs are located downgradient of the TA-16-260 outfall. It is believed that contamination seen in these springs is due to historic TA-16-260 discharges. Waters in the outfall have been analyzed twice revealing elevated RDX, HMX, TNT, 1,3,5-TNB and 2,4-DNT. Soil samples at depth in the TA-16-260 outfall have had up to 25 wt % HE.

Because SWSC Line and Burning Ground Springs have tritium values similar to local precipitation, rainwater is the likely main recharge source. Thus, contamination in these spring waters is likely a product of leaching of historically-contaminated soils and tuff from PRS 16-021(c). A potassium bromide tracer is scheduled to be introduced at the TA-16-260 outfall during FY97. This study may confirm that PRS 16-021(c) is the source of contamination for the Burning Ground and SWSC Line Springs.

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U. S. Department of Energy
Los Alamos Area Office, MS A316
Environmental Restoration Program
Los Alamos, New Mexico 87544
505-667-7203/FAX 505-665-4504

Date: September 26, 1996
Refer to: EM/ER:96-501

Mr. Benito Garcia
NMED-HRMB
P.O. Box 26110
Santa Fe, NM 87502

SUBJECT: SCHEDULE FOR CORRECTIVE MEASURES STUDY PLAN FOR SWMU 16-021(c)

Dear Mr. Garcia:

The Los Alamos National Laboratory's Environmental Restoration (ER) Project requests a meeting with your staff to discuss an extension for delivery of the corrective measures study (CMS) plan for solid waste management unit (SWMU) 16-021(c). The letter from the New Mexico Environment Department (NMED) dated April 3, 1996, that required delivery of the CMS plan by October 1, 1996, apparently was lost at the Los Alamos Area Office. The ER Project recently became aware of that letter and received a copy of it on September 17, 1996. We cannot meet the October 1, 1996, deadline and request a meeting to discuss both the deadline for the CMS plan and the current status of the ongoing investigation of SWMU 16-021(c).

The Resource Conservation and Recovery Act facility investigation report summarizing the first phase of characterization sampling will be delivered to NMED on September 30, 1996. This report includes a sampling plan to determine the nature and extent of contamination at SWMU 16-021(c) and to evaluate impact of that SWMU on surface waters and ground waters. This Phase II sampling is scheduled for fall 1996. The data from this sampling are essential to evaluating remedial options that will be addressed in the CMS plan. It is our opinion that a comprehensive CMS plan cannot be prepared until results of the Phase II sampling are analyzed.

The CMS plan for SWMU 16-021(c) will be the first submitted by the ER Project to NMED. Field Unit 3 desires to work closely and expeditiously with NMED to ensure that the format and technical content of this document meet the needs of the regulatory authorities. We believe that allowing the CMS plan to be completed following sampling during Fiscal Year 1997 will increase the likelihood that NMED can be involved in the early stages of the CMS/Corrective Measures Implementation (CMI). Ultimately, allowing more time up-front for planning and interacting with the regulatory authorities will yield a CMS/CMI that better fulfills the needs of NMED, DOE, and members of the public.

Roy Michelotti, (505) 665-7444, and Joe Mose, (505) 667-5808, of our staffs will call Mr. Stu Dinwiddie of your staff to arrange a time and place for a meeting to discuss the schedule of activities for SWMU 16-021(c). If you have any questions or concerns, please call Roy or Joe at the numbers indicated. Thank you for considering this request.

Sincerely,

for Jorg Jansen, Program Manager
LANL/ER Project

Sincerely,

Theodore J. Taylor, Program Manager
DOE/LAAO

JJ/TT/bp

Cy: T. Baca, EM, MS J591
T. Glatzmaier, DDEES/ER, MS M992
D. Griswold, AL-ERD, MS A906
J. Harry, EES-5, MS M992
B. Hoditschek, NMED-HRMB
M. Leavitt, NMED-GWQB
J. Levings, AL-ERD, MS A906
D. McInroy, EM/ER, MS M992
R. Michelotti, CST-18, MS E525
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N. Naraine, DOE-HQ, EM-453
D. Neleigh, EPA, R.6, 6PD-N
J. Piatt, NMED-SWQB
M. Shaner, CIO, MS A117
L. Soholt, EM/ER, MS M992
W. Spurgeon, DOE-HQ, EM-453
T. Taylor, LAAO, MS A316
J. Vozella, LAAO, MS A316
N. Weber, NMED-AIP
J. White, ESH-19, MS K498
S. Yanicak, NMED-AIP, MS J993
K. Zamora, LAAO, MS A316
EM/ER File, MS M992
RPF, MS M707

cy Don
John

State of New Mexico
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1.4.2.6.1.7.2

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

4/3/96

Mr. Joseph C. Vozella, Chief
Environment, Safety, and Health Branch
Los Alamos Area Office
Department of Energy
Los Alamos, New Mexico 87544

RE:Corrective Measure Study for SWMU 16-021(c)
Los Alamos National Laboratory (NM0890010515)

Dear Mr. Vozella:

The New Mexico Environment Department (NMED)-Hazardous and Radioactive Materials Bureau (HRMB) and the U.S. Environmental Protection Agency (EPA), recently reviewed Los Alamos National Laboratory's (LANL) Interim Action Report dated February 12, 1996, for Solid Waste Management Unit (SWMU) 16-021(c). SWMU 16-021(c) is an area of significant high-explosive contamination that discharges into Cañon de Valle.

During a site visit by NMED-HRMB/EPA in October 1995, LANL staff indicated that SWMU 16-021(c) was the possible source of high explosives found in nearby springs. Based upon a review of the above- mentioned report and previous documentation of extensive contamination, NMED-HRMB/EPA recommends that a Corrective Measure Study (CMS) be conducted for this site and that a CMS Workplan for this site be submitted by LANL by October 1, 1996.

Should you have any questions concerning this letter, please contact either Mr. Robert Dinwiddie at 505/827-1561 or Ms. Teri Davis at 505/827-1558 concerning permitting or technical issues, respectively.

Sincerely,

Barbara Hoditschek

Barbara Hoditschek,
RCRA Permitting Program Manager

enclosures

cc: Benito Garcia, Bureau Chief, NMED-HRMB
Ronald Kern, Technical Compliance Program Manager, NMED-HRMB
David Noloigh, Chief, US EPA Region 6

FACSIMILE TRANSMITTAL SHEET

UNCLASSIFIED

U.S. DEPARTMENT OF ENERGY

LOS ALAMOS AREA OFFICE

Office of Environment and Projects

FAX Number: (505) 665-4504 (Unclassified)

DATE:	9/18/96	**# PAGES TO FOLLOW:**	2
TO:	Roy	**FROM:**	Joseph H. Mose
FAX NO:	5-4632	**PHONE NO:**	(505) 667-5808
PHONE NO:	5-7440		

REMARKS:

We are checking to see if this letter was Received by LAAO in April. I will also Call Stu & ask if he has the return receipt.

Please Draft a letter to NMED describing actions that are planned this year to support a CMS Workplan that will be provided by ....?

Also in this letter state that the NMED Memo was apparently not received until Sept. 17, 1996.

Thanks, Joe

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RETURN RECEIPT REQUESTED
P 332 407 632

December 5, 1996

Mr. Theodore J. Taylor, Program Manager
Department of Energy
Los Alamos Area Office
528 35th Street, Mail Stop A316
Los Alamos, New Mexico 87544

Mr. Jorg Jansen, Program Manager
Environmental Restoration
Los Alamos National Laboratory
528 35th Street, Mail Stop A316
Los Alamos, New Mexico 87544

RE: **RFI REPORT FOR POTENTIAL RELEASE SITES IN TA-16**
SEPTEMBER 1996

Dear Mr. Taylor and Mr. Jansen:

The Hazardous and Radioactive Materials Bureau (HRMB) of the New Mexico Environment Department (NMED) has reviewed the above-mentioned document submitted by the Department of Energy/Los Alamos National Laboratory (DOE/LANL) and has the following comments regarding the use of field screening methodology and the investigation of potential impacts to the ground water:

- NMED HRMB questions the sole use of field methods such as spot kits and RDX immunoassay tests to estimate the lateral extent of contamination within the surface and near-surface at the TA 16. According to the document, DOE/LANL will utilize field screening techniques to bound the lateral extent of the suspected contamination. DOE/LANL shall validate the lateral extent of contamination as estimated by the field screening techniques by using fixed laboratory analytical methods.

- DOE/LANL shall install monitoring wells along the drainage from the steam plant outfall to Cañon de Valle in order to address impacts to shallow, perched ground water.

- DOE/LANL shall site deep boreholes only after the evaluation of existing data from tracer tests, mesa-top saturated alluvium, et cetera.

- DOE/LANL shall investigate the presence of shallow, perched ground water within the alluvium of Cañon de Valle. NMED recommends the installation of four monitoring wells in the following locations: west of SWSC Spring, between SWSC Spring and Burning Ground Spring; between Burning Ground Spring and MDA-P, and east of MDA-P.

The new due date for the required Corrective Measures Study Workplan for the potential release sites in TA-16 shall be 60 days after the completion and submittal of the RFI Phase II report.

Should you or your staff have any questions concerning these comments, please contact either myself or Ms. Teri Davis at 505/827-1558.

Sincerely,

Robert S. ("Stu") Dinwiddie, Manager
RCRA Permits Management Program

RSD:kth

cc: T. Davis, NMED HRMB
T. Glatzmaier, DDEES/ER, MS M992
D. Griswold, AL-ERD, MS A906
E. Kelley, Ph. D., NMED WWMD
M. Leavitt, NMED GWQB
D. McInroy, EM/ER, MS M992
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S. Pierce, NMED SWQB
L. Soholt, EM/ER, MS M992
J. Vozella, LAAO, MS A316
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S. Yanicak, NMED AIP, MS J993
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LANL 96 File

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(1)

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55284

Date: January 9, 1997
Refer to: EM/ER:97-003

Mr. Benito Garcia
NMED-HRMB
P.O. Box 26110
Santa Fe, NM 87502

SUBJECT: ACKNOWLEDGMENT OF LETTER DATED DECEMBER 5 1996, CONCERNING THE RFI REPORT FOR TA-16, PRSs 16-003(k) and 16-021(c)

Dear Mr. Garcia:

We acknowledge receipt of the letter dated December 5, 1996, concerning the Resource Conservation and Recovery Act Facility Investigation (RFI) Report for Potential Release Sites (PRSs) 16-003(k) and 16-021(c). The Laboratory and Los Alamos Area Office appreciate your rapid response to this RFI Report. Members of your staff and ours have agreed to discuss this letter and your concerns in a meeting on January 29, 1997.

Please ask your office to contact Roy Michelotti at (505) 665-7444 or Joe Mose at (505) 667-5808 if you have any questions.

Sincerely,

Jorg Jansen, Program Manager
LANL/ER Project

Sincerely,

Theodore J. Taylor, Program Manager
DOE/LAAO

JJ/TT/ss

JAN 2 1 1997

Cy: T. Baca, EM, MS J591
T. Glatzmaier, DDEES/ER, MS M992
D. Griswold, AL-ERD, MS A906
J. Levings, AL-ERD, MS A906
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T. Taylor, LAAO, MS A316
N. Weber, NMED-AIP, MS J993
J. White, ESH-19, MS K498
M. Johansen, LAAO, MS A316
S. Yanicak, NMED-AIP, MS J993
B. Koch, LAAO, MS A316
N. Naraine, DOE-HQ, EM-453
W. Spurgeon, DOE-HQ, EM-453
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Date: February 26, 1997
Refer to: EM/ER:97-041

Don ✓
John ✓
Lynn ✓
(last) QAfile ✓

Mr. Benito Garcia
NMED-HRMB
P.O. Box 26110
Santa Fe, NM 87502

SUBJECT: RESPONSE TO NMED LETTER CONCERNING THE RFI REPORT FOR PRSs IN TA-16 (DECEMBER 5, 1996)

Dear Mr. Garcia:

Los Alamos National Laboratory and Department of Energy (DOE) representatives met with representatives of the Hazardous and Radioactive Materials Bureau (HRMB) of the New Mexico Environment Department (NMED) on February 14, 1997. The intent of the meeting was to discuss the Resource Conservation and Recovery Act Facility Investigation (RFI) Report for Technical Area (TA) 16 potential release sites that was submitted on September 30, 1997. HRMB representatives requested a letter summarizing the responses to their concerns. The responses are provided below and each NMED-HRMB comment is restated.

- "NMED HRMB questions the sole use of field methods such as spot kits and RDX immunoassay tests to estimate the lateral extent of contamination within the surface and near surface at the TA-16. According to the document, DOE/LANL will utilize field screening techniques to bound the lateral extent of the suspected contamination. DOE/LANL shall validate the lateral extent of contamination as estimated by the field screening methods by using fixed laboratory analytical methods."

  DOE/LANL response: DOE/LANL concur. DOE/LANL will submit at least four laboratory samples per lateral boundary traverse.

- "DOE/LANL shall install monitoring wells along the drainage from the steam plant outfall to Canon de Valle in order to address impacts to shallow, perched ground water."

  DOE/LANL response: DOE/LANL concur. A monitoring well is scheduled for that drainage in the RFI Report (see Subsection 5.2.11.2.5).

- "DOE/LANL shall site deep boreholes only after the evaluation of existing data from tracer tests, mesa-top saturated alluvium, et cetera."

DOE/LANL response: DOE/LANL will use all data available and will consult with NMED/HRMB prior to siting any deep boreholes. Because the tracer study data schedule is inherently uncertain DOE/LANL may not be able to wait for these results.

- "DOE/LANL shall investigate the presence of shallow perched ground water within the alluvium of Canon de Valle. NMED recommends the installation of four monitoring wells in the following locations: west of SWSC Spring, between SWSC Spring and Burning Ground Spring, between Burning Ground Spring and MDA P, and east of MDA P."

  DOE/LANL response: DOE/LANL will install four monitoring wells in the alluvium of Canon de Valle. The locations proposed in the RFI Report (see Subsection 5.2.11.2.5) include three out of the four above-mentioned locations (no well is scheduled between SWSC and Burning Ground Springs) and a well upgradient from the TA-16-260 outfall discharge area. Actual locations will also be constrained by the accessibility of all of these sites with a drill rig.

- "The new due date for the required Corrective Measures Study Work Plan for the potential release sites in TA-16 shall be 60 days after the completion and submittal of the RFI Phase II report."

  DOE/LANL response: DOE/LANL concur. The RFI Phase II report is currently scheduled for delivery to NMED-HRMB in December 1997.

Thank you for providing a rapid response to the above document. We appreciated the opportunity to collaborate with NMED staff. Should you have any further questions, please contact Roy Michelotti at (505) 665-7444 or Joe Mose at (505) 667-5808.

Sincerely,

Jorg Jansen, Program Manager
LANL/ER Project

Sincerely,

Theodore J. Taylor, Program Manager
DOE/LAAO

JJ/TT/rfr

Cy: T. Baca, EM, MS J591
T. Glatzmaier, DDEES/ER, MS M992
D. Griswold, AL-ERD, MS A906
J. Harry, EES-5, MS M992
B. Koch, LAAO, MS A316
J. Levings, AL-ERD, MS A906
D. McInroy, EM/ER, MS M992
R. Michelotti, CST-18, MS E525
J. Mose, LAAO, MS A316
N. Naraine, DOE-HQ, EM-453
D. Neleigh, EPA, R.6, 6PD-N
C. Rodriguez, CIO, MS M707
T. Taylor, LAAO, MS A316

W. Spurgeon, DOE-HQ, EM-453
J. Vozella, LAAO, MS A316
J. White, ESH-19, MS K498
K. Zamora, LAAO, MS A316
EM/ER File (CT #206), MS M992
RPF, MS M707

S. Dinwiddie, NMED-HRMB
B. Hoditschek, NMED-SWQB
M. Leavitt, NMED-GWQB
J. Parker, NMED-OB
G. Saums, NMED-SWQB
S. Yanicak, NMED-AIP, MS J993

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MARK E. WEIDLER
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EDGAR T. THORNTON, III
DEPUTY SECRETARY

Joy

P 181 648 703

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Rec'd
Aug 6, 1997
11:08 am

August 4, 1997

Mr. G. Thomas Todd, Area Manager
Los Alamos Area Office
Department of Energy
528 35th Street
Los Alamos, New Mexico 87544

Dr. Sigfried Hecker, Director
Los Alamos National Laboratory
P. O. Box 1663, Mail Stop A100
Los Alamos, New Mexico 87545

Copies:
Joe M.
Notebook.

RE: Request for Supplemental Information
RCRA Facility Investigation Report
Potential Release Sites in Technical Area 16
16-003(k) and 16-021(c)
Los Alamos National Laboratory
NM0890010515

Dear Mr. Todd and Dr. Hecker:

The Resource Conservation and Recovery Act (RCRA) Permits Management Program (RPMP) of the New Mexico Environment Department has conducted an extensive review of the RCRA Facility Investigation (RFI) Report for Technical Area 16 dated September 1996 and referenced by EM/ER:96-502 and requests the attached supplemental information. LANL must respond to the request for supplemental information noted in the Attachment within thirty (30) calendar days of the receipt of this letter. If LANL does not submit the information within thirty (30) calendar days, LANL should be advised that a Notice of Deficiency will be issued.

As stated in the Environmental Restoration monthly meeting on April 15, 1997, RPMP requests that DOE/LANL continue to provide documentation detailing the various investigations which have occurred at 16-021(c) and 16-003(k) to date. Although the Data Quality Objectives remain consistent with the Phase II Sampling and Analysis Plan presented in this RFI Report, RPMP feels that new information (analytical results of surface and subsurface sampling, geophysical techniques and investigations, tracer study implementation, variations from the RFI Workplan, etc.) has been gathered which directly affects the goals and, more importantly, the direction of the continuing investigation.

To meet this request, RPMP does not require the submittal of a corrective action report, per se, but would rather, be presented with updates or addendums on a regular and reasonable basis (such as field season). Specifically, RPMP would like to be provided documentation of the investigatory activities performed to date including, but not limited to, the following activities:

Deliver to NMED by 8/31

- Geophysical investigations including resistivity, streaming potential, seismic refraction, etc.
- Tracer study and spring/seep evaluations
- Results of drilling activities
- Bioremediation evaluation
- Variations from the approved RFI Workplan
- Rationale for proposed variations from the RFI Workplan including drilling plan modifications
- Progress on geological surveys as proposed in Section 5.2.11.2.1 of the RFI Workplan

Should you have any questions regarding this letter, please contact me or Mr. John Kieling, RPMP's LANL Facility Manager, at (505) 827-1558.

Sincerely,

Robert S. ("Stu") Dinwiddie, Ph. D., Manager
RCRA Permits Management Program

RSD:kth

attachment

cc with attachments:

T. Baca, LANL EM-DO, MS J951 T. Davis, NMED HRMB
T. Davis, NMED HRMB
B. Garcia, NMED HRMB
T. Glatzmaier, LANL DDEES/ER, MS M992
J. Jansen, LANL EM/ER, MS M992
M. Johansen, DOE LAAO, MS A316
K. Hill, NMED HRMB
J. Kieling, NMED HRMB
M. Leavitt, NMED GWQB
H. LeDoux, DOE LAAO, MS A316
D. McInroy, LANL EM/ER, MS M992
D. Neleigh, EPA, 6PD-N
J. Parker, NMED DOE OB
G. Saums, NMED SWQB
T. Taylor, DOE LAAO, MS A316
S. Yanicak, NMED DOE OB, MS J993
File: Reading and LANL HSWA 3/1082/16
Track: LANL, see document date, NA, DOE/LANL, HRMB/kth, RE, File

ATTACHMENT
REQUEST FOR SUPPLEMENTAL INFORMATION
TA 16 RFI Report
16-003(k) and 16-021(c)
September 1996

SUMMARY:

PRS	PRS TYPE	LANL'S PROPOSED ACTION	DOES HRMB CONCUR?	HRMB'S RATIONALE
16-003(k)	13 HE sumps and drainlines associated with TA-16-260	VCA	Yes	Removal of drainlines and associated troughs with characterization
16-021(c)	Outfall associated with TA-16-260	Phase II sampling & CMS/CMI	Yes	CMS imposed by AA

COMMENTS:

1. Section 1.3.2:
   a. Pertinent sections of the quality assurance/quality control plan for FY95 TA-16 field campaign should be provided for reference.
   b. LANL should include in the text the frequency at which both field and laboratory QA/QC samples were obtained.
   c. LANL should add the locations of the QA samples to Figures 5.1.4-1 and 5.2.4-1.
2. Section 2.3: LANL should replace all references to the "main" aquifer with "regional" aquifer.
3. Section 2.3.1: LANL should include a figure indicating the barium and boron levels as indicated in the second to last paragraph of this section.
4. Section 2.3.2:
   a. LANL should explain any possible relationship between constituents identified in SHB-3 to site-related activities. And if any possible relationship exists, LANL should provide rationale for advancing boreholes to a depth less than the static water level in SHB-3. RPMP is concerned that constituents found in SHB-3 might be related to HE-related activities and that contaminants may be present in the regional aquifer since it has not been definitely constrained.
   b. LANL should also clarify if the ground water interval encountered in SHB-3 will also be intercepted during the drilling activities as discussed within this document.
   c. Please present the data, sampling dates, sampling intervals, etc. for SHB-3 and the background spring data to which it was compared.
   d. Please clarify what is meant by "swab" sample.

5. Section 3.1.1:
   a. Please define the acronym "TATB."
   b. Please provide the analytical methods, detection limits, summary of QA/QC documentation for the analyses conducted.
6. John Section 3.1.2: LANL should provide the pertinent portions of the *Technical Approach to the RFI Report* as reference documentation for this report.
7. Kathy Section 3.3: LANL should include a compilation of all analytical data, including non-detectable concentrations, in Appendix A of the RFI Report.
8. John Section 3.4.2: LANL should provide, as reference materials attached to this document, the pertinent sections of the *Screening Assessment Methodology* (McCann, et al.).
9. John Section 3.4.3: LANL should provide in the text of this section further explanation why site-specific human health risk assessments were not performed for 16-003(k) and 16-021(c).
10. Section 4.0:
    Kathy a. LANL should ensure that all QA/QC results reported by the laboratory are present and correct in FIMAD and reported within this document.
    b. LANL should collect field duplicate samples at a minimum rate of 10%.
11. Section 4.3: LANL should clarify at each mentioning that "Table B-2" is located within Appendix B.
12. Section 5.0: For additional clarification, LANL could include a figure which references the analytical data (Appendix A - see Comment 7) and indicates the locations where contaminant concentrations were below SALs.
13. Section 5.1.3:
    a. Please include the adjective "sump" in the title of Tables 5.1.3-1, 2 and 3.
14. Section 5.1.4:
    a. LANL should include pertinent information such as a tabulated summary of Photo Ionization Detector/Flame Ionization Detector (PID/FID) readings, HE spot test and sodium iodide detector results in the RFI report.
    b. Please provide an explanation of "Request Numbers" within the text of the RFI report.
    c. LANL should provide well construction diagrams for those boreholes and wells installed.
15. Section 5.1.6: LANL should detail which SVOC compounds were undetected in sample 031-95-0051 and reference a figure indicating the sample's location.
16. Section 5.1.7: LANL should clarify if any potential radiological contaminants other than uranium exist at these PRSs.
17. Section 5.1.7.1: LANL should include the evaluation of lead in the Multiple Chemical Evaluation (Table 5.1.7-1). Section 3.4 indicates that the PRSs will be evaluated assuming a residential risk scenario; the risk posed by lead to children should, therefore, be included in the evaluation. John

18. Section 5.1.10: Since no ecological risk analysis was performed, LANL should provide an errata sheet indicating the following correction to the third sentence: No constituents were found above SALs and MCE calculations indicate low probability of impact to human receptors due to the multiple constituent effects.
19. Section 5.2.2: A schematic diagram of the drainage channel and dam would be useful in visualizing the suitability of the proposed Best Management Practices.
20. Section 5.2.7.1: LANL should include the evaluation of lead in the Multiple Chemical Evaluation (Table 5.2.7-1). Section 3.4 indicates that the PRSs will be evaluated assuming a residential risk scenario; the risk posed by lead to children should, therefore, be included in the evaluation.

John

21. Section 5.2.7.2:

John

    a. The normalized concentrations of lead (0.145) and 1,3-dinitrobenzene (0.31) are greater than 0.1 in the MCE for noncarcinogenic effects (Table 5.2.7.1-1). LANL should carry forward these constituents, along with those that exceed SALs, into the Baseline Risk Assessment that is planned during the CMS/CMI process.
    b. The normalized concentration of chromium is 0.55 and is the driver for the MCE for carcinogenic effects (Table 5.2.7.1-2). LANL should carry forward these constituents, along with those that exceed SALs, into the Baseline Risk Assessment that is planned during the CMS/CMI process.
22. Section 5.2.9:
    a. Please clarify, within the text of the RFI report, the intent or purpose of presenting Table 5.2.9-1.
    b. LANL should present the traverses relative to EPA Region 9 residential PRGs in addition to the industrial PRGs.
    c. LANL should include lead, chromium and 1,3-dinitrobenzene in Table 5.2.9-1.
23. Section 5.2.11.1: LANL should state that concentrations are "greater" not "larger."
24. Section 5.2.11.2.1: Adding the pond and dam to Figure 5.2.11.2.1-1 would aid in visualizing the proposed activities.
25. Section 5.2.11.2.3:
    a. LANL must ensure that representative and confirmatory sampling for HE will occur. The HE screening kit has a detection limit of 100 ppm, whereas the SAL for HE is 15 ppm.
    b. LANL should also consult NMED DOE OB in the re-siting of boreholes to the location of geophysical anomalies.
    c. LANL should also present the sampling locations, depths, etc. provided in the text (pages 67 and 68) as a table for clarification.
    d. LANL should also provide well construction diagrams in RFI Workplans to obtain prior regulatory approval.
26. Section 5.2.11.2.5:
    a. After one year of quarterly sampling (for HE, VOCs, inorganics and anions), LANL should evaluate the data obtained from the alluvial wells and discuss the

results with the Administrative Authority to determine if continued sampling would enhance the investigation.

b. Please clarify which of the 2 well/borehole locations are accessible and tentatively accessible and discuss what will occur if a borehole is found to be completely inaccessible.

27. Appendix A, Analytical Suites: See Comment 7.
28. Appendix B, Table B-1: A crosswalk between request number and PRS/sample location would be extremely useful.
29. Appendix C, Section 1: LANL should perform or otherwise include a comparison of water balances for each of the potentially affected springs and seeps included in Table C-1.

Brent

30. Appendix C, Section 2:

Donna

a. LANL should clearly indicate the names and locations of all background springs (p. C-2, first paragraph) and provide a summary of the background water chemistry data.
b. Figure C-1 should be revised to clearly indicate sampling locations more so than NPDES outfalls.
c. LANL should include tritium and oxygen-18 in Table C-2.

31. Appendix C, Section 3.0:

Donna

a. LANL should provide a tabulation of the SALs and background concentrations for those analytes presented in paragraph 3, page C-6, Table C-3 and paragraph 3, page C-13.
b. LANL should define the acronym "NQ" in paragraph 3, page C-13.

(1)

University of California
Environmental Restoration Project, MS M992
Los Alamos, New Mexico 87545
505-667-0808/FAX 505-665-4747

U. S. Department of Energy
Los Alamos Area Office, MS A316
Environmental Restoration Program
Los Alamos, New Mexico 87544
505-667-7203/FAX 505-665-4504

Date: August 26, 1997
Refer to: EM/ER:97-334

Mr. Benito Garcia
NMED-HRMB
P.O. Box 26110
2044 Galisteo Street, Bldg. A
Santa Fe, NM 87502

SUBJECT: REQUEST FOR EXTENSION FOR SEVERAL REQUESTS FOR SUPPLEMENTAL INFORMATION

Dear Mr. Garcia:

We recently received several requests for supplemental information (SI) and additional work (AW) for some of our Resource Conservation and Recovery Facility Investigation (RFI) Reports, Sampling and Analysis Plans (SAPs), and Notice of Deficiency (NOD) Responses, listed in the table below.

HRMB Request	Date of Request	Document Type	PRSs	Date of Document
AW	07/21/97	RFI Report	10-001(a-d)	02/96
SI	07/29/97	SAP	21-016(a,b,c)	03/96
SI	07/21/97	SAP	21-018(b)	02/96
SI	07/29/97	Phase II SAP	21-024(c,i), 21-027(a)	01/96
Comments	07/21/97	Response to Addl Info Req.	31-001	04/97
Comments	07/27/97	Corrective Action Report	18-003(d)	01/97
SI/AW	07/21/97	NOD Response	TA-36	02/96
SI	07/29/97	RFI Report	TA-39	04/95
SI	08/04/97	RFI Report	16-003(k), 16-021(c)	09/96
SI/AW	07/21/97	NOD Response	TA-33	05/95
SI	07/21/97	NOD Response	33-002(a-e)	05/96
SI	07/29/97	RFI Report	0-039	02/96

SEP 0 8 1997
esm

Due to end-of-the-year time constraints and a desire to clarify issues with your staff in proposing no further action (NFA) for the appropriate potential release sites (PRSs) in these reports/responses, we would like to postpone submitting this information until after the beginning of the next federal fiscal year.

We hope that the Document of Understanding (DOU) Core Team can resolve some of the issues associated with proposing (NFA) for human health and ecological risk through the Integrated NFA Annex to the DOU. We look forward to this annex being generated and discussed in a workshop in mid-October. We propose to resubmit responses to the requests identified in the table above by November 15, 1997, assuming the October workshop is held as scheduled.

Please inform us of the acceptance of this request and call Dave McInroy at (505) 667-0819 or Joe Mose at (505) 667-5808 if you have any questions.

Sincerely,

Jorg Jansen, Program Manager
LANL/ER Project

Sincerely,

for Theodore J. Taylor, Program Manager
DOE/LAAO

JJ/TT/ss

Cy: G. Allen, CST-7, MS E525
J. Canepa, EM/ER, MS M992
T. Glatzmaier, DDEES/ER, MS M992
G. Gould, EES-15, J495
D. Griswold, AL-ERD, MS A906
D. McInroy, EM/ER, MS M992
R. Michelotti, CST-7, MS E525
J. Mose, LAAO, MS A316
D. Neleigh, EPA, R.6, 6PD-N
T. Taylor, LAAO, MS A316
S. Dinwiddie, NMED-HRMB
M. Leavitt, NMED-GWQB
J. Parker, NMED-OB
G. Saums, NMED-SWQB
S. Yanicak, NMED-AIP, MS J993
EM/ER File, MS M992
RPF, MS M707

Additional Information
T. Baca, EM, MS J591
T. Longo, DOE-HQ, EM-453
J. Plum, LAAO, MS A316
S. Rae, ESH-18, MS K497
G. Rael, AL-ERD, MS A906
J. Vozella, LAAO, MS A316
J. White, ESH-19, MS K498
EM/ER CT#s C304, C323, C324, C325, C326, C327, C328, C334, C337, C338, C346, MS M992

State of New Mexico
ENVIRONMENT DEPARTMENT
Hazardous & Radioactive Materials Bureau
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GARY E. JOHNSON
GOVERNOR

MARK E. WEIDLER
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EDGAR T. THORNTON, III
DEPUTY SECRETARY

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

September 11, 1997

Mr. G. Thomas Todd, Area Manager
Los Alamos Area Office
Department of Energy
528 35th Street
Los Alamos, New Mexico 87544

Dr. Sigfried Hecker, Director
Los Alamos National Laboratory
P.O. Box 1663, Mail Stop A100
Los Alamos, New Mexico 87545

ER PROJECT OFFICE RECEIVED SEP 15 1997

RE: Approval of a Request for Extension of Recent Requests for Supplemental Information and Additional Work for Los Alamos National Laboratory (LANL) RCRA Facility Investigation Reports - Notices of Deficiency (NOD) Responses and Sampling and Analysis Plans

Dear Mr. Todd and Dr. Hecker:

The RCRA Permits Management Program (RPMP) of the Hazardous and Radioactive Materials Bureau (HRMB) is in receipt of the August 26, 1997 letter, referenced EM/ER: 97-334, from the Department of Energy (DOE)/LANL requesting an extension of the date for response regarding the documents as indicated below.

RPMP hereby approves DOE/LANL's request for an extension and expects to receive the responses no later than November 15, 1997, as per DOE/LANL's request.

Orig ~ Gong F42
Don
Dorothy

HRMB Request	Date of Request	Document Type	PRSs	
AW	7/21/97	RFI Report and NOD Response (2/96)	10-001(a-d)	C323
SI	7/29/97	SAP (3/96)	21-016(a,b,c)	C338
SI	7/21/97	SAP (2/96)	21-018(b)	C326
SI	7/29/97	Phase II SAP (1/96)	21-024(c,i), 21-027(a)	C334
Comments	7/21/97	Response to Addtl. Info Req. (3/97)	31-001	C328
Comments	7/27/97	Corrective Action Rpt.	18-003(d)	C304
SI/AW	7/21/97	NOD Response (2/96)	TA-36, 36-003(a,b), 36-005, C-36-003	C324
SI	7/29/97	RFI Report (4/95)	TA-39, 39-002(a-f), 39-005, 39-006(a), 39-007(a,d)	C337
☆ SI	8/4/97	RFI Report (9/96)	16-003(k), 16-021(c)	C346
☆ SI/AW	7/21/97	NOD Response (5/95)	TA-33	C327
☆ SI	7/21/97	NOD Response (5/96)	33-002(a-e) MDA K	C325
SI	7/29/97	RFI Report (2/96)	0-039	C336

If you have questions concerning this letter, please contact myself or Mr. John Kieling, RPMP's LANL Facility Manager at (505) 827-1558.

Sincerely,

Robert S. (Stu) Dinwiddie, Ph.D., Manager
RCRA Permits Management Program
Hazardous and Radioactive Materials Bureau

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(66)

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Date: November 14, 1997
Refer to: EM/ER:97-476

Mr. Benito Garcia
NMED-HRMB
P.O. Box 26110
Santa Fe, NM 87502

SUBJECT: RESPONSE TO REQUEST FOR SUPPLEMENTAL INFORMATION FOR THE RFI REPORT FOR TA-16, PRSs 16-003(k) AND 16-021(c) (FORMER OU 1082)

Dear Mr. Garcia:

The Environmental Restoration Project received your letter dated September 11, 1997, in which you approved a request for extension for supplemental information on the Resource Conservation and Recovery Act Facility Investigation Report for Technical Area 16, Potential Release Sites 16-003(k) and 16-021(c). In your letter, you indicated that a response should be received from the Los Alamos National Laboratory no later than November 15, 1997. Enclosed please find our response to your request.

Should you have any questions, please contact Roy Michelotti at (505) 665-7444 or Joe Mose at (505) 667-5808.

Sincerely,

Julie A. Canepa, Program Manager
LANL/ER Project

Sincerely,

NOV 19 1997

Theodore J. Taylor, Program Manager
DOE/LAAO

JC/TT/gmn

Enclosure: Response to Request for Supplemental Information for RFI Report for TA-16

Cy (w/enc.):
D. Griswold, AL-ERD, MS A906
J. Harry, EES-5, MS M992
R. Michelotti, CST-7, MS E525
J. Mose, LAAO, MS A316
D. Neleigh, EPA, R.6, 6PD-N
C. Rodriguez, CIO/ER, MS M769
T. Taylor, LAAO, MS A316
J. White, ESH-19, MS K490
S. Dinwiddie, NMED-HRMB
M. Leavitt, NMED-GWQB
J. Parker, NMED-HRMB
G. Saums, NMED-SWQB
S. Yanicak, NMED-AIP, MS J993
RPF, MS M707

Information Only (w/o encs)
T. Baca, EM, MS J591
T. Glatzmaier, DDEES/ER, MS M992
T. Longo, DOE-HQ, EM-453
D. McInroy, EM/ER, MS M992
J. Plum, LAAO, MS A316
S. Rae, ESH-18, MS K497
G. Rael, AL-ERD, MS A906
J. Vozella, LAAO, MS A316
EM/ER File (CT# C346), MS M992
EM/ER File, MS M992

Response to Request for Supplemental Information for PRSs 16-021(c) and 16-003(k)

General Addenda and Corrections

1) As requested in the cover letter to this request for supplemental information, LANL will continue to provide HRMB with bi-monthly briefings on the status of the investigations of PRS 16-021(c). LANL will provide more formal written documentation of materials presented in these briefings upon request of HRMB.

2) LANL would like to note that the water SALs discussed in this document, particularly in Appendix C, primarily represent drinking water MCLs. LANL currently compares analytical concentrations to water criteria appropriate for the most likely water use (e.g. wildlife use) rather than comparing to human health levels.

3) The tritium unit values in Table C-6 should all be positive rather than negative.

4) As requested by HRMB in a telecon of September 9, 1997, LANL has identified within this response programmatic issues that have arisen while preparing this request for supplemental information.

NMED Comment 1.a. Section 1.3.2 Pertinent sections of the quality assurance/quality control plan for FY 95 TA-16 field campaign should be provided for reference.

LANL response The pertinent sections of the quality assurance/quality control plan for the FY 95 TA-16 field campaign are provided as Attachment A. Please note that this plan was written by the ICF Kaiser field team for their own use. It has not been edited by a professional editor.

NMED Comment 1.b. Section 1.3.2 LANL should include in the text the frequency at which both field and laboratory QA/QC samples were obtained

LANL response Field QA/QC samples (field duplicates) were collected at a rate of 3 out of 34 laboratory samples at PRS 16-021(c) and 0 out of 10 laboratory samples at 16-003(k) for a total of 3 out of 44 for the two PRSs. Laboratory QA/QC samples such as batch-specific QC samples (blank, matrix spike, duplicates) were obtained at a rate commensurate with LANL Environmental Restoration (ER) laboratory contracts. These contracts are based either on requirements contained in the EPA SW-846 Laboratory (CLP) SOW or guidance provided in the EPA SW-846 procedures. This rate is typically a frequency of one QC sample for each instrumental method, each sample matrix, and/or each analytical batch, whichever is more frequent. Inorganic and radiochemical methods also require the analysis of a laboratory control sample with each analytical batch. Additional non-batch QC requirements for individual instrumental techniques vary widely and cannot be easily or briefly summarized in reports.

NMED Comment 1. c. Section 1.3.2 LANL should add the locations of the QA samples to Figures 5.1.4-1 and 5.2.4-1.

LANL response Locations of the field QA samples, the duplicate samples, have been added to Figure 5.2.4-1 for PRS 16-021(c). No field QA samples were taken at PRS 16-003(k), so figure 5.1.4-1 was not modified. The modified figure 5.2.4-1 is included as Attachment B.

NMED Comment 2. Section 2.3: LANL should replace all references to the "main" aquifer with "regional aquifer".

LANL response On page 9 paragraph 2 the phrase "main" aquifer will be replaced with "regional" aquifer.

NMED Comment 3. Section 2.3.1: LANL should include a figure indicating the barium and boron levels as indicated in the second to last paragraph of this section.

LANL response LANL has included as Attachment C a figure indicating the locations of the barium and boron levels as indicated in the second to last paragraph of this section.

NMED Comment 4.a. LANL should explain any possible relationship between constituents identified in SHB-3 to site-related activities. And if any possible relationship exists, LANL should provide rationale for advancing boreholes to a depth less than the static water level in SHB-3. RPMP is concerned that constituents found in SHB-3 might be related to HE-related activities and that contaminants may be present in the regional aquifer since it has not been definitely constrained.

LANL response LANL believes that a definitive relationship between constituents identified in SHB-3 and site-related activities cannot be made at this time. The following reasoning suggests that such a relationship is unlikely: (1)The constituents lead, phosphate, rubidium, and ammonium have not been extensively used in HE-related activities at TA-16. (2) These constituents are not found at elevated levels in the HE-contaminated springs at TA-16, which suggests that these constituents are not significant HE by-products in water samples known to be HE-contaminated. (3) The levels of these constituents found are low, and may not represent contamination of SHB-3 waters. The background dataset used in these comparisons was small, and based on springs/seeps. These spring/seep data may not be representative of perched/deep groundwater such as that found in SHB-3. Further investigation of this issue will occur when an improved background dataset for groundwater is available.

Although LANL does not believe that a definitive relationship between the observed constituents in SHB-3 and site activities has been proved at this time, LANL is also concerned that constituents from site-related activities could be reaching the perched/regional water table that is present in SHB-3. LANL's rationale for advancing boreholes to a depth less than the static water level in SHB-3 is that our investigations are phased. Moderate-depth (200 ft) boreholes are planned in this RFI Report to investigate shallow perched groundwaters, which discharge as springs at TA-16. Results of these investigations will be used to help locate future, deeper boreholes that intersect the static-water table present in SHB-3. LANL currently has deep boreholes at TA-16 planned in its baseline in future fiscal years (FY 99 and FY 00). In addition, 4 sitewide hydrogeologic studies boreholes to the regional aquifer are planned in and around TA-16

during the next few years; these boreholes will provide additional information on potential TA-16 impacts to the regional aquifer.

NMED comment 4.b. LANL should also clarify if the ground water interval encountered in SHB-3 will also be intercepted during drilling activities as discussed within this document.

LANL response LANL does not believe that the ground water interval encountered at SHB-3, which was at a static water depth of 664 ft during 1992, will be intersected by the 200 ft boreholes that are discussed in this document. As noted in the response to comment 4.a. LANL anticipates drilling boreholes to depths greater than 700 ft during FY 1999 and FY 2000.

NMED comment 4.c. Please present the data, sampling dates, sampling intervals, etc. for SHB-3 and the background spring data to which it was compared.

LANL response Pertinent data are present in Attachment D. SHB-3 data were originally reported by Blake et al (Blake et al. 1995, 1335). Background data were also extracted from the Blake et al. (Blake et al., 1995, 1335) document. LANL recognizes that this background dataset is small, but it was the best available dataset at the time of these comparisons. LANL hopes to repeat these comparisons with larger sample and background datasets in the future.

NMED comment 4.d. Please clarify what is meant by "swab" sample

LANL response A swab sample is merely a water sample that is taken with a device known as a swab sampler. A swab sampler is rod that has rubber cups of slightly larger diameter than the well bore that is deployed on the end of the drillstring. These cups open up during deployment downhole. When the sampler pulls up on the wireline the water samples are trapped and raised to the surface.

NMED comment 5.a. Please define the acronym TATB

LANL response TATB is triaminotrinitrobenzene, an insensitive and highly insoluble HE used in many modern weapon systems.

NMED comment 5.b. Please provide the analytical methods, detection limits, summary of QA/QC documentation for the analyses conducted.

LANL response Attachment E provides the analytical methods, detection limits and summary of QA/QC documentation for the analyses conducted.

NMED comment 6. Section 3.1.2 LANL should provide the pertinent portions of the *Technical Approach to the RFI Report* as reference documentation for this report

LANL response The reference to Knudsen et al, 1996 in Section 3.1.2 Data Verification and Validation is no longer valid. The document referenced here, "Technical Approach to the RFI Report" was an ER Policy Paper under development at the time the 260 Outfall RFI Report was in preparation. This policy paper was never finalized or released as official ER Policy.

The appropriate reference for the ER baseline data validation protocol is now the Quality Assurance Project Plan (QAPP), LANL 1996 (ER Master Reference List No. 1292). This reference is cited in the latest version of the RFI Report Framework, Section 3.1.2 Data Validation, page 10; and is cited in recent versions of LANL RFI Reports.

Attachment F provides the pertinent portions of the QAPP.

NMED comment 7. Section 3.3 LANL should include a compilation of all analytical data, including non-detectable concentrations, in Appendix A of the RFI Report.

LANL response Attachment G (2 EXCEL disks per telecon between T. Glatzmaier and J. Kieling on 10/22/97) provides a compilation of all analytical data, including non-detectable concentrations. This attachment will be included as part of Appendix A.

Provision of all data represents a programmatic issue, which may be addressed in future programmatic discussions.

NMED comment 8. Section 3.4.2 LANL should provide as reference materials attached to this document, the pertinent sections of the *Screening Assessment Methodology* (McCann et al.).

LANL response The reference to McCann et al, 1996 (1300) is no longer valid. The document referenced here, "Screening Assessment Methodology" was an ER Policy Paper under development at the time the 260 Outfall RFI Report was in preparation. This policy paper was never finalized or released as official ER Policy.

The appropriate reference for the ER Screening methodology is "Risk-Based Corrective Action Process (Dorries 1997, 1297)." This reference is cited in the latest version of the RFI Report Framework, Section 3.2.4 Risk Based Screening Assessment, page 13; and is included in recent versions of LANL RFI Reports.

Attachment H includes the pertinent sections of the document

NMED comment 9. Section 3.4.3. LANL should provide in the text of this section further explanation why site-specific human health risk assessments were not performed for 16-003(k) and 16-021(c).

LANL response No site-specific human health risk assessments were performed in this Phase I Report because of the uncertainties in conceptual model development and lacks in data collection to perform a risk assessment at this point and time of the 260 Outfall project. The Phase II Sampling and Analysis Plan presented in Section 5.2.11 of the RFI Report details the plan to collect the data necessary to validate a conceptual model for the site and perform risk assessment evaluations. Therefore, human health risk assessments will be performed in latter stages of the RFI/CMS process for this site.

NMED comment 10a. Section 4.0 LANL should ensure that all QA/QC results reported by the laboratory are present and correct in FIMAD and reported within this document.

LANL response Per discussion in a telecon with Kim Hill (EPA and HRMB) that occurred on September 9, 1997 LANL will provide information on: (1) how LANL

handles the QA/QC results in FIMAD; (2) why we handle these data in this way; and (3) indicate where this process is going.

(1) Analytical results for batch-specific QC samples are included in FIMAD. Non batch-specific QC indicators that are measured by the analytical laboratories are not currently reported electronically. Not all of the electronically available data are currently being verified. LANL's current policy is to verify all field data and some (but not all) of the batch QC results by comparing electronic data with hard copy reports. (2) LANL handles batch QC data in this fashion because data verification is an extremely labor intensive process. LANL's current contracts with the analytical laboratories do not require that electronic deliverable are 100% in agreement with hard copy deliverables. Non- batch QC indicators are not hand entered into FIMAD because most would not fit into the current FIMAD formats. (3) These deficiencies will be remedied in upcoming contracts. In addition, the DOE Environmental Management Electronic Data Deliverable Master Specifications (DEEMS), which will guide LANLs new electronic deliverable, will make more of these indicators available electronically.

LANL believes that efficient and effective QA oversight and data validation processes are more critical to the maintenance of data integrity than the capture of all QA/QC information in FIMAD. Currently all LANL data receive at least baseline validation. Data validators have access to all of the QA/QC indicators reported by the analytical laboratories, whether or not they are in FIMAD. Where these indicators demonstrate that the laboratory process may have been out of control, this is indicated to the data user both in the validation reports and in the data validation flags that are recorded in FIMAD.

NMED comment 10b. Section 4.0 LANL should collect field duplicates at a minimum rate of 10%.

LANL response 44 laboratory samples were collected for PRSs 16-003(k) and 16-021(c). Three laboratory field duplicates were collected. This is a rate of 6.8 % At the time of the 1995 TA-16 field campaign, LANL QA documents suggested taking field duplicates at a rate of 5%. The approved RFI work plan stipulated 1 out of 14 (duplicates were not addressed in the NOD) duplicates at PRS 16-021(c) and 16-003(k), which were considered together in one SAP - a rate of 7.1 %.

This represents a programmatic issue, which may be addressed in future programmatic discussions.

NMED comment 11. Section 4.3 LANL should clarify at each mentioning that "Table B-2" is located within Appendix B.

LANL response LANL will convert each citation of "Table B-2" to "Table B-2, Appendix B".

NMED comment 12. Section 5.0 For additional clarification, LANL could include a figure which references the analytical data (Appendix A - see Comment 7) and indicates the locations where contaminant concentrations were below SALs.

LANL response: Per discussion in a telecon with Kim Hill (EPA and HRMB) that occurred on September 9, 1997 1) LANL notes that the requested information is available on existing figures (e.g. Figure 5.2.4-1); 2) LANL will note in section 5.0 that analytical suites and data are available in Appendix A.

NMED comment 13. Section 5.1.3 Please include the adjective "sump" in the titles of Tables 5.1.3-1, 2 and 3

LANL response LANL will replace "water" with "sump water" in the titles of Table 5.1.3-1, 5.1.3-2. 5.1.3-3.

NMED comment 14.a. Section 5.1.4 LANL should include pertinent information such as a tabulated summary of Photo Ionization Detector/Flame Ionization Detector (PID/FID) readings, HE spot test and sodium iodide results in the RFI report.

LANL response Pertinent field information such as a tabulated summary of PID/FID readings, HE spot test, and sodium iodide detector results is provided in Attachment I, which is extracted from the Post Field Ops Report for the FY 95 TA-16 field campaign.

NMED comment 14.b. Section 5.1.4 Please provide an explanation of "Request Numbers" within the text of the RFI report.

LANL response LANL will add the following footnote to Tables 5.1.4-2 and 5.2.4-1: "All samples with the same request number were analyzed together in a single batch at an analytical laboratory"

NMED comment 14.c. Section 5.1.4 LANL should provide well construction diagrams for those boreholes and wells installed.

LANL response Well construction drawings are provided as Attachment J. These well construction drawing s represent typical alluvial and deep wells that are being implemented as part of the TA-16-260 field campaign. Well construction is guided by LANL-ER-SOP 5.01 "Monitor Well Construction".

NMED comment 15 Section 5.1.6 LANL should detail which SVOC compounds were undetected in sample 031-95-0051 and reference a figure indicating the sample's location.

LANL response The list of undetected SVOCs is provided in Table 15-1

Table 15-1 - Semivolatile Organic Compound (SVOC) Suite

Acenaphthene	Chrysene	
Acenaphthylene	Dibenzo(a,h)anthracene	Isophorone
Aniline	Dibenzofuran	2-Methylphenol
Anthracene	1,2-Dichlorobenzene	4-Methylphenol
Azobenzene	1,3-Dichlorobenzene	Naphthalene
Benzo(a)anthracene	1,4-Dichlorobenzene	2-Nitroaniline
Benzo(b)fluoranthene	3,3'-Dichlorobenzidine	3-Nitroaniline
Benzo(k)fluoranthene	2,4-Dichlorophenol	4-Nitroaniline
Benzo(g,h,i)perylene	Diethylphthalate	Nitrobenzene

Benzo(a)pyrene	Dimethylphthalate	2-Nitrophenol
Benzoic acid	Di-n-butylphthalate	4-Nitrophenol
Benzyl alcohol	Di-n-octylphthalate	N-Nitrosodimethylamine
Bis(2-chloroethoxy)methane	2,4-Dimethylphenol	N-Nitrosodiphenylamine
Bis(2-chloroethyl)ether	2,4-Dinitrophenol	N-Nitroso-di-n-propylamine
Bis(2-chloroisopropyl)ether	4,6-Dinitro-2-methylphenol	Pentachlorophenol
Bis(2-ethylhexyl)phthalate	2,4-Dinitrotoluene	Phenanthrene
4-Bromophenylphenyl ether	2,6-Dinitrotoluene	Phenol
Butylbenzylphthalate	Fluoranthene	Pyrene
Carbazole	Fluorene	Pyridine
4-Chloroaniline	Hexachlorobenzene	1,2,4-Trichlorobenzene
4-Chloro-3-methylphenol	Hexachlorobutadiene	2,4,5-Trichlorophenol
2-Chloronaphthalene	Hexachlorocyclopentadiene	2,4,6-Trichlorophenol
2-Chlorophenol	Hexachloroethane	
4-Chlorophenylphenyl ether	Indeno(1,2,3-cd)pyrene	

Note that these analytes are tabulated in Table A-4, Appendix A.

In the second sentence of Section 5.1.6 replace "031-95-0051" with "031-95-0051 (Figure 5.1.4-1)".

NMED comment 16 Section 5.1.7 LANL should clarify if any potential radiological contaminants other than uranium exist at these PRSs.

LANL response Following the last paragraph in Section 5.1.7.1, insert the following sentences: "Interviews with several site workers suggest that the only radionuclide used in TA-16-260 was uranium. These workers suggested that: (1) HE parts that were glued to depleted uranium had occasionally been machined in TA-16-260 (Jim Griffin, personal communication 1992); and (2) other radionuclides, particularly fissile radionuclides, were kept far from HE that was being processed because of the potential safety hazards of an inadvertent detonation in the presence of radionuclides."

NMED comment 17 Section 5.1.7.1 LANL should include the evaluation of lead in the Multiple Chemical Evaluation (Table 5.1.7-1). Section 3.4 indicates that the PRSs will be evaluated assuming a residential risk scenario; the risk posed by lead to children should, therefore, be included in the evaluation.

LANL response LANL agrees that lead should be included in the MCE evaluation for this PRS. It should be noted that current LANL ER Project guidance requires lead to be included in the MCE. This guidance was not in place during FY 96 when this report was generated. The revised calculation (Table 5.1.7.1 revised - below) reflects the addition of lead to the MCE calculation. With the addition of lead, the sum of the maximum concentrations detected normalized to SALs is 1.5, indicating the potential for adverse effects due to exposure to this grouping. Therefore, those contaminants with a concentration normalized to SAL greater than 0.1 will be carried forward as COPCs. These contaminants include barium, copper, lead, nickel and TNB. The presence of these COPCs will be factored into the planning for the VCA proposed for this PRS as described in Section 5.1.10 of the RFI Report.

TABLE 5.1.7.1 Revised
MCE FOR NONCARCINOGENIC EFFECTS AT PRS 16-003(k)

CONTAMINANT	MAXIMUM SOIL CONCENTRATION (mg/kg)	SOIL SAL (mg/kg)	CONCENTRATION NORMALIZED TO SAL
Barium	2030	5300	0.4
Cobalt	38.5	4600	0.0
Copper	317	2800	0.1
Lead	316	400	0.8
Nickel	103	1500	0.1
Silver	3.7	383	0.0
Zinc	200	23000	0.0
HMX	3.84	3300	0.0
TNB	0.272	3.3	0.1
Benzoic Acid	0.056	100000	0.0
Diethylphthalate	0.48	52000	0.0
Fluoranthene	0.046	2600	0.0
Pyrene	0.04	2000	0.0
TOTAL			1.5

LANL does not agree with the statement expressed in this comment "Section 3.4 indicates that the PRSs will be evaluated assuming a residential risk scenario; the risk posed by lead to children should, therefore, be included in the evaluation." The intention of Section 3.4 is to describe the methodology for performing risk assessments, not to dictate the land use decisions to be made for individual PRSs. The methodology presented in Section 3.4 does describe the screening process used, which incorporates the use of SALs based on a residential exposure scenario. However, the SAL comparison dictates the need for further evaluation at a given site, and the subsequent development of COPCs. LANL proposes to evaluate the 260 Outfall PRSs with an industrial land use scenario. This decision is based on the fact that Building TA-16-260 is an active HE machining facility, that will remain an industrial land use according to the LANL 30-Year Plan, and therefore, will not be released to the public. Access to the 260 Outfall area is very restricted due to security clearance and safety issues. Therefore, appropriate exposure modeling (to include lead) during planning for, and conducting of, the VCA for this PRS will be based on an industrial scenario with adult receptors. LANL recognizes that a risk evaluation for a residential scenario may be performed for comparative purposes, but

the results from such an analysis will not be the primary decision focus for this particular site.

NMED comment 18 Section 5.1.10 Since no ecological risk analysis was performed, LANL should provide an errata sheet indicating the following correction to the third sentence: No constituents were found above SALs and MCE calculations indicate low probability of impact to human receptors due to multiple constituent effects.

LANL response LANL will correct the indicated sentence to read: "No constituents were found above SALs and MCE calculations indicate low probability of impact to human receptors due to multiple constituent effects." Per discussion in a telecon with Kim Hill (EPA and HRMB) that occurred on September 9, 1997 LANL will not provide an errata sheet at this time.

NMED comment 19 Section 5.2.2 A schematic diagram of the drainage channel and dam would be useful in visualizing the suitability of the proposed Best Management Practices.

LANL response A schematic diagram of the drainage channel and dam, also showing locations of the implemented Best Management Practices, is included as Attachment K.

NMED comment 20 Section 5.2.7.1 LANL should include the evaluation of lead in the Multiple Chemical Evaluation (Table 5.2.7-1). Section 3.4 indicates that the PRSs will be evaluated assuming a residential risk scenario; the risk posed by lead to children should, therefore, be included in the evaluation.

LANL response Please refer to the LANL response to NMED Comment 17 above. Table 5.2.7.1-1 revised (below) reflects the addition of lead to the MCE calculation. With the addition of lead, the sum of the maximum concentrations detected normalized to SALs is 0.8, indicating a low potential for adverse effects due to exposure to this grouping.

TABLE 5.2.7.1-1 Revised
MCE FOR NONCARCINOGENIC EFFECTS AT PRS 16-021(c)

CONTAMINANT	MAXIMUM SOIL CONCENTRATION (mg/kg)	SOIL SAL (mg/kg)	CONCENTRATION NORMALIZED TO SAL
Copper	40.5	2800	0.01
Lead	107	400	0.27
Nickel	37.3	1500	0.02
Silver	4.1	383	0.01
Vanadium	55.7	540	0.10
Zinc	226	23000	0.01
1,3-Dinitrobenzene	2.04	6.5	0.31
Nitrobenzene	1.2	33	0.04
3-Nitrotoluene	2.12	650	0.00
Benzoic Acid	0.43	100000	0.00
Di-n-butylphthalate	0.054	6500	0.00
Pyrene	0.071	2000	0.00
Acetone	0.067	2000	0.00

1,2-Dichlorobenzene	0.007	2300	0.00
1,2,4-Trimethylbenzene	0.052	8	0.01
1,1,1-Trichloroethane	0.014	3000	0.00
TOTAL			0.79

It is very important to note that this PRS is being evaluated with the formal RFI/CMS process. The first step in this process, the Phase II Sampling and Analysis Plan proposed for this PRS in Section 5.2.11 of the RFI Report, requires the collection of data for full suite analysis that includes the analysis for lead and other potential contaminants such as 1,3-dinitrobenzene and chromium. Therefore, the MCE and screening decision for this PRS at this point of the process is essentially moot, and the reader is referred to the Sampling and Analysis Plan proposed. Again, LANL requires the clarification of the land use and risk assessment issues for this PRS addressed in our response to NMED Comment 17 above.

NMED comment 21.a. Section 5.2.7.2 The normalized concentrations of lead (0.145) and 1,3-dinitrobenzene (0.31) are greater than 0.1 in the MCE for noncarcinogenic effects (Table 5.2.7.1-1). LANL should carry forward these constituents, along with those that exceed SALs, into the Baseline Risk Assessment that is planned during the CMS/CMI process.

LANL response LANL will carry these constituents (lead and dinitrobenzene) forward into the Baseline Risk Assessment that is planned during the CMS/CMI process. Per discussion in a telecon with Kim Hill (EPA and HRMB) that occurred on September 9, 1997, note that this is contrary to current LANL programmatic guidance for MCEs.

This represents a programmatic issue, which may be addressed in future programmatic discussions.

NMED comment 21.b. Section 5.2.7.2 The normalized concentration of chromium is 0.55 and is the driver for the MCE for carcinogenic effects (Table 5.2.7.1-2). LANL should carry forward these constituents, along with those that exceed SALs, into the Baseline Risk Assessment that is planned during the CMS/CMI process.

LANL response LANL will carry chromium forward into the Baseline Risk Assessment that is planned during the CMS/CMI process. Per discussion in a telecon with Kim Hill (EPA and HRMB) that occurred on September 9, 1997, note that this is contrary to current LANL programmatic guidance for MCEs.

This represents a programmatic issue, which may be addressed in future programmatic discussions.

NMED comment 22.a. Section 5.2.9 Please clarify within the text of the RFI report, the intent or purpose of presenting Table 5.2.9-1.

LANL response At the end of the first paragraph of Section 5.2.9 LANL will insert the following text: "For each COPC identified during the screening assessment, Table 5.2.9-1 indicates whether the contaminant is present at levels less than SALs in the outermost laboratory samples on a bounding traverse at a specific distance downgradient

from the TA-16-260 outfall. Contaminants present at levels less than SALs are bounded laterally relative to SALs."

NMED comment 22.b. Section 5.2.9 LANL should present the traverses relative to EPA Region 9 residential PRGs in addition to the industrial PRGs.

LANL response The traverses relative to SALs are equivalent to traverses relative to EPA Region 9 PRGs. LANL would like to clarify that the traverses shown in Figure 5.2.9-1 and the status of bounding outlined in Table 5.2.9-1 are presented relative to SALs. The text as written in not clear on this point. LANL will replace the sentence "These traverses are bounded relative to EPA Region 9 industrial PRGs" with "Although these traverses are not bounded relative to SALs (EPA Region 9 residential PRGs), they are bounded relative to EPA Region 9 PRGs for industrial soil." The industrial PRG bounding traverses are not shown.

NMED comment 22.c. Section 5.2.9 LANL should include lead, chromium and 1,3-dinitrobenzene in Table 5.2.9-1.

LANL response Below is an addition to Table 5.2.9-1 that includes lead, chromium and 1,3 dinitrobenzene"

ADDITION TO TABLE 5.2.9-1
STATUS OF LATERAL BOUNDING FOR PRS 16-021(c)

COPC	OUTFALL	100 FT	200 FT	300 FT	400 FT	500 FT	600 FT
lead	Yes	Yes	Yes	Yes	Yes	Yes	Yes
chromium	Yes	Yes	Yes	Yes	Yes	Yes	Yes
1,3 DNB	Yes	Yes	Yes	Yes	Yes	Yes	Yes

NMED comment 23. Section 5.2.11.1 LANL should state that concentrations are "greater" not "larger".

LANL response In the last sentence of the first paragraph of Section 5.2.11-1 LANL will convert "greater" to "larger".

NMED comment 24. Section 5.2.11.2.1 Adding the pond and dam to Figure 5.2.11.2.1-1 would aid in visualizing the proposed activities.

LANL response A modified version of Figure 5.2.11.2.1-1 is included as Attachment L. This modified figure schematically shows the locations of the pond and dam relative to the sampling localities.

NMED comment 25.a. Section 5.2.11.2.3 LANL must ensure that representative and confirmatory sampling for HE will occur. The HE screening kit has a detection limit of 100 ppm, whereas the SAL for HE is 15 ppm.

LANL response All locations where HE spot test results are negative are also being screened using the RDX D-Tech immunoassay kit, which has a detection limit of less-than 1 ppm. In addition, LANL has taken additional laboratory samples in the boreholes

drilled thus far during the FY 1997 field campaign, to address concerns with the D-Tech immunoassay kits that were expressed in discussions with NMED.

NMED comment 25.b. Section 5.2.11.2.3 LANL should also consult NMED DOE OB in the re-siting of boreholes to the location of geophysical anomalies.

LANL response Thus far, LANL has discussed re-siting of boreholes with HRMB representatives. These discussions occurred in meetings on April 15, 1997 and October 9, 1997 and were subsequently communicated in writing to HRMB. In the future, LANL will consult with either NMED DOE OB or NMED HRMB prior to re-siting boreholes.

NMED comment 25.c. Section 5.2.11.2.3 LANL should also present the sampling locations, depths, etc. provided in the text (pages 67 and 68) as a table for clarification.

LANL response These sample locations, depths, etc. as outlined in this SAP are provided in Table 25.c.-1 (below). Note that these locations and sampling depths have been modified following discussions with HRMB during April and October of 1997. Note also that additional laboratory samples were taken in most of these boreholes.

Table 25.c.-1

Borehole	Location[a]	Proposed total depth	Screening depths[b]	Lab sample depths
1	75 ft - center	First clean screening interval	Every 5 ft.	1) 0-5 ft 2) total depth
2	75 ft - north	At least 70 ft	Every 5 ft.	1) 0-5 ft 2) total depth
3	75 ft - south	At least 70 ft	Every 5 ft.	1) 0-5 ft 2) total depth
4	100 ft - center	First clean screening interval	Every 5 ft.	1) 0-5 ft 2) total depth
5	320 ft - center	First clean screening interval	Every 5 ft.	1) 0-5 ft 2) total depth
6	320 ft - north	At least 5 ft deeper than hole 5	Every 5 ft.	1) 0-5 ft 2) total depth
7	320 ft - south	At least 5 ft deeper than hole 5	Every 5 ft.	1) 0-5 ft 2) total depth
8	450 ft - north central	First clean screening interval	Every 5 ft.	1) surface 2) 0-5 ft 3) total depth
9	450 ft - south central	First clean screening interval	Every 5 ft.	1) surface 2) 0-5 ft 3) total depth
10	450 ft - north	At least 70 ft	Every 5 ft.	1) 0-5 ft 2) total depth
11	450 ft - south	At least 70 ft	Every 5 ft.	1) 0-5 ft 2) total depth
12 (optional)	75 ft -north contingent	At least 70 ft	Every 5 ft.	1) 0-5 ft 2) total depth

13 (optional)	75 ft - south contingent	At least 70 ft	Every 5 ft.	1) 0-5 ft 2) total depth

a. All locations are measured downgradient from the outfall. Locations will be biased based on geophysical investigations.
b. Additional screening samples will be located in fractured zones or wet areas.

NMED comment 25.d. Section 5.2.11.2.3 LANL should also provide well construction diagrams in RFI Workplans to obtain prior regulatory approval.

LANL response Well construction diagrams are included as part of Attachment J.

NMED comment 26.a. Section 5.2.11.2.5 After one year of quarterly sampling (for HE, VOCs, Inorganics and anions), LANL should evaluate the data obtained from the alluvial wells and discuss the results with the Administrative Authority to determine if continued sampling would enhance the investigation.

LANL response After one year of quarterly sampling (for HE, VOCs, Inorganics and anions), LANL will evaluate the data obtained from the alluvial wells and discuss the results with the Administrative Authority to determine if continued sampling would enhance the investigation. LANL anticipates that the alluvial wells will be completed and developed by December 1997, thus these discussions will be tentatively scheduled for December 1998.

NMED comment 26.b. Section 5.2.11.2.3 Please clarify which of the 2 well/borehole locations are accessible and tentatively accessible and discuss what will occur if a borehole is found to be completely inaccessible.

LANL response The westernmost alluvial well location and the fourth-from-the-west (see Figure 5.2.11.2.1-2) near MDA-P are easily accessible. The other three are potentially less accessible. LANL currently anticipates being able to access all five locations using available drilling technology. If a borehole location is completely inaccessible LANL will consult with NMED DOE OB and /or NMED HRMB about alternative borehole locations.

NMED comment 27. Appendix A, Analytical Suites: See Comment 7.

LANL response Attachment G provides a compilation of all analytical data, including non-detectable concentrations. This attachment will be included as part of Appendix A

NMED comment 28. Appendix B, Table B-1 A crosswalk between request number and PRS/sample location would be extremely useful.

LANL response A crosswalk between request numbers and PRS/sample locations is provided as Attachment M.

Provision of this information is a programmatic issue, which may be addressed in future programmatic discussions.

NMED comment 29 Appendix C, Section 1 LANL should perform or otherwise include a comparison of water balances for each of the potentially affected springs and seeps included in Table C-1.

LANL response Per discussion in a telecon with Kim Hill (EPA and HRMB) that occurred on September 9, 1997 note that the cation sum/anion sum balance that is requested is available in Table C-8.

NMED comment 30.a. Appendix C, Section 2. LANL should clearly indicate the names and locations of all background springs (p. C-2, first paragraph) and provide a summary of the background water chemistry data.

LANL response LANL will replace the following sentence: "Two springs, Burning Ground and SWSC Line, appear to issue from Tshirege Subunit 3, and one spring, Martin Spring, appears to issue from Tshirege Subunit 4" with the following text "Three springs and two seeps have been identified at TA-16. Burning Ground spring, SWSC Line spring, and Martin spring all appear to issue from near the Tshirege Subunit 3/4 contact. The former two issue from the south wall of Canon de Valle northeast of TA-16-260. Martin spring discharges roughly 3000 ft southeast of TA-16-260. Two intermittent seeps, Peter Seep and Fishladder Seep, represent the alluvial discharge of water in Canon de Valle west of the intersection of PRS 16-021(c) with Canon de Valle and of water in a tributary to Canon de Valle downgradient from the TA-16-340 outfall, respectively." Current elevation data suggests that all three springs issue from very near the unit 3/4 contact.

The background water chemistry data is included as Attachment N.

NMED comment 30.b. Appendix C, Section 2. Figure C-1 should be revised to clearly indicate the sampling locations more so than NPDES outfalls.

LANL response A revised version of Figure C-1 is included as Attachment O. NPDES outfall designations have been removed and sampling locations have been more clearly delineated.

NMED comment 30.c. Appendix C, Section 2. LANL should include tritium and oxygen-18 in Table C-2.

LANL response Table 30.c.-1 (below) presents the requested information for tritium and oxygen isotopes. Note that the analytical precision of the stable isotope analyses (in per mil), rather than a detection limit, is an appropriate measure of the analytical sensitivity of this technique.

TABLE 30.c.-1
METHODS OF CHEMICAL ANALYSIS AND DETECTION LIMITS FOR WATER SAMPLES

ANALYTE	METHOD	DETECTION LIMIT
Tritium	scintillation counting	0.1 Tritium units (est.)
Oxygen isotopes	stable isotope mass spectrometer	analytical precision of .1 per mil

NMED comment 31.a. Appendix C, Section 3.0 LANL should provide a tabulation of the SALs and background concentrations for those analytes presented in paragraph 3, page C—6, Table C-3 and paragraph 3, page C-13.

LANL response Per discussion in a telecon with Kim Hill (EPA and HRMB) that occurred on September 9, 1997 LANL will provide this information on those analytes in paragraph 4 on page C-6. The analytes discussed in this paragraph are barium, manganese and RDX. These data are provided in Attachment P.

NMED comment 31.b. Appendix C, Section 3.0 LANL should define the acronym "NQ" in paragraph 3, page C-13.

LANL response NQ is nitroguanadine, a liquid HE used occasionally at TA-16.

References

Blake, W.D., F. Goff, A.I. Adams, and D. Counce, May 1995. "Environmental Geochemistry for Surface and Subsurface Waters in the Pajarito Plateau and Outlying Areas, New Mexico," Los Alamos National Laboratory Report LA-12912-MS, UC 903, Los Alamos, New Mexico. **(Blake et al. 1995, 1355)**

Attachment A - Comment 1.a.

Pertinent sections of the QA/QC plan for the FY 95 TA-16 Field Campaign

OU 1082 Site-Specific Quality Assurance Project Plan

1.0 Introduction

This site-specific Quality Assurance Project Plan (QAPP) has been written following guidance presented in the Environmental Restoration (ER) Project Quality Assurance Project Plan (QAPP). The QAPP is included in the latest version of the Installation Work Plan (IWP) currently under reveiw by the Environmental Protection Agency (EPA).

The primary objective of collecting QA/QC samples is to assess the quality of sampling and measurement techniques. The QA/QC samples may also be used to aid future decisions about specific samples and potential release sites. The following objectives will be met using QA/QC samples:

- to provide information on negative bias
- to estimate sample collection and total measurement error
- to evaluate if the data is complete, representative, and comparable

QA/QC samples typically submitted as part of environmental assessment programs that protect against false positive results will not be submitted as part of this plan. All positive results will either be accepted as accurate or, if the results are in question, will be confirmed by re-sampling the location in doubt. Re-sampling will be less expensive and more accurate than collecting numerous routine QA samples used to disqualify false positive results.

Section 2.0 discusses field QA/QC samples, Section 3.0 describes laboratory QA/QC samples, Section 4.0 discusses other significant issues. A summary of QA/QC samples is included in Table 1.

2.0 Field Quality Control Samples

Three types of field QA/QC samples will be collected at OU 1082: performance evaluation (PE) samples, collocated field duplicate samples, and Rinsate Blanks. PE samples are used to check the methods of the subcontract laboratories for data validation. Collocated samples measure spatial variation of contaminants and Rinsate blanks evaluate decontamination procedures.

Trip blanks and field blanks will not be collected. Typically, these samples identify false positives resulting from ambient conditions or cross contamination effects. At OU 1082, positive results that are suspect will be verified by re-sampling. Re-sampling is expected to be significantly more economical (and more accurate) than collecting multiple field and trip blanks due to the low probability of discovering multiple areas with contamination above screening action levels.

2.1 Performance Evaluation Samples

Material for the high explosives (HE) PE samples will be obtained from LANL sources; other PCOC PE samples will be purchased from off site sources. The PE soil will be supplied in bulk and placed in sample containers along with the environmental samples. The QA objectives of these samples are:

- to evaluate the accuracy of laboratory procedures
- to check laboratory recovery of HE constituents to evaluate matrix effects

The PE samples will be collected at a rate of 1 per 40 (2.5 %) and will provide sufficient statistical information to meet the QA objectives. However, PE samples will not be collected at OU 1082 if the ER Program begins sending PE samples for the entire program. If the ER Program begins to test off-site laboratory methods for all LANL samples, PE samples will not be necessary from individual Field Units and sampling efforts.

2.2 Collocated Field Duplicate Samples

Field duplicates will be collocated with other field assessment/characterization samples. In order to attain the maximum QA data, the field duplicate samples will be collocated with samples showing positive field screen data on indicator parameters. Field duplicates will be collected at a rate of 1 per 20 (5 %) as recommended in the Generic Quality Assurance Project Plan (QAPjP).

2.3 Rinsate Blank Samples

Two Rinsate samples will be collected during the initial sampling phase of the field campaign. One rinsate sample will be collected from manual sampling equipment and one sample will be collected from drilling equipment. The low frequency for collecting rinseate blanks is justified because rinseate blank results are only used to provide information on cross-contamination and potential false poitives. This information will be attained through resampling as explained above. In addition, decontamination procedures are controlled by a Standard Operating Procedure (SOP) and previous field efforts conducted by ICF KE at LANL has verified that present decontamination procedures are adequate. The samples will confirm that present decontamination procedures are also adequate at OU 1082.

2.4 Matrix Spike Samples

Matrix spike samples provide information on the effect of sample matrix on the laboratory analytical methodology (percent recovery) and provides a measure of the precision and accuracy of the analysis. Matrix spike samples are generally required by the method for chemical analyses. Typically, the subcontract laboratory will not require additional material in order to perform the MS/MSD; however, for organic analyses in waters, triple volumes will be required. These samples are not anticipated at TA-16 during the 1995 sampling season. Additional method specific QC may be performed by the subcontract laboratory.

3.0 Types of Laboratory QA/QC Samples

Laboratory QA/QC samples are mentioned herein to complete the QA/QC sample scheme. Four types of QA/QC samples are prepared by the laboratory to verify the quality of internal procedures. The frequency of these samples varies among laboratories and are designed by each laboratory to meet their individual needs.

3.1 Laboratory Blank Sample

The laboratory reagent blank is prepared and analyzed by the laboratory to demonstrate that identified constituents are not a result of laboratory contamination.

3.2 Calibration Standards

Calibration standards are prepared to cover the expected concentration ranges of samples being analyzed. These standards are used to provide a standard relationship between analyte concentration and instrument response.

3.3 Spike Samples

Specified concentrations of surrogate compounds are spiked into each blank calibration standard and environmental sample for organic analyses. Percent recoveries are calculated for each surrogate.

3.4 Laboratory Duplicates

Subsamples are independently analyzed and compared to determine laboratory measurement error.

4.0 Deviations from Prescribed Sample Plan and Analytical Methods

During the implementation of the RFI Work Plan in the field, unplanned instances can occur that will require deviations from prescribed Work Plan initiatives. Deviations from the sample plan occur when the nature of the sample location renders the prescribed sample requirements impossible to meet. For analytical methods, a change in method is needed when the analytical method's limit of detection for a PCOC is greater than the SAL. The following subsections will discuss proper protocol for deviating from sample and analytical method requirements prescribed by the RFI.

4.1 Contingency Plans

In any case where sample requirements prescribed by the RFI cannot be satisfied, the field team leader (FTL) will be consulted for guidance. The FTL will decide the proper course to proceed with sampling activities.

4.2 Estimated Quanitation Limits

To determine if the present analytical methods were suitable for the PCOCs at OU 1082, the detection limits for analyses were compared with the PCOC SALs. Not all the PCOCs have established SALs in LANL soils. For those that have SALs, the SAL limit is above the laboratory method detection limit. Also, the majority of PCOCs that do not have established SALs have very low laboratory method detection limits (below 5 ppm in most instances). For these reasons changes in analytical methods because of EQLs need not be requested of the subcontract laboratories.

5.0 Non-routine Chemical Analyses

Chemical analyses for HE will be performed in the mobile chemical van (chem van) for samples that test positive for HE on the HE spot test (>100 ppm). The analytical method performed in the chem van uses a high performance liquid chromatography (HPCL) method, similar to the SW-846 Method 8330. The detection limits for the chem van method are comparable to Method 8330, but this method includes less rigorous data confirmation than the specialized method. Adequate numbers of check standards will be run for QA purposes and 10% of the samples analyzed will be sent off-site for Method 8330 analysis as an additional check on the chem van method. Also, a prescribed number of the PE samples will be analyzed by the chem van. The number of PE samples will be proportional by percentage of HE unknown samples analyzed by the chem van.

6.0 Conclusions

This site-specific QAPP describes the QA/QC samples needed to assess the quality of data that will be used to support RFI decisions at OU 1082. This plan also addresses unplanned

deviations from prescribed RFI requirements and the protocol for the non-routine analyses planned at OU 1082. The field QA/QC samples defined in this plan deviate slightly from those recommended in the Generic QAPjP. The field QA/QC samples were selected to meet ER QAPP guidelines and specific OU 1082 QA objectives in the most efficient and economical manner.

Table 1: QA/QC Summary

Field QA/QC Samples		
Sample Type	**Frequency**	**QA Objective**
Performance Evaluation	Approx. 1 per 40	to evaluate accuarcy of laboratory procedures and negative bias
Field Duplicate (collocated)	Approx. 1 per 20	to evaluate contaminant spatial variability
Rinsate Blank	Approx. 2 total	to evaluate decontamination procedures
Laboratory QA/QC Samples		
Sample Type	**Frequency**	**QA Objective**
Laboratory Blank	Every batch	to evaluate laboratory contamination
Calibratiion Standard	Every 12 hours	to provide standard curve
Surrogate Spike	Every sample	to evaluate negative bias
Laboratory Duplicate	Every batvh	to determine measurement error

Attachment B - Comment 1.c.

Revised versions of Figure 5.2.4-1 showing locations of field duplicates

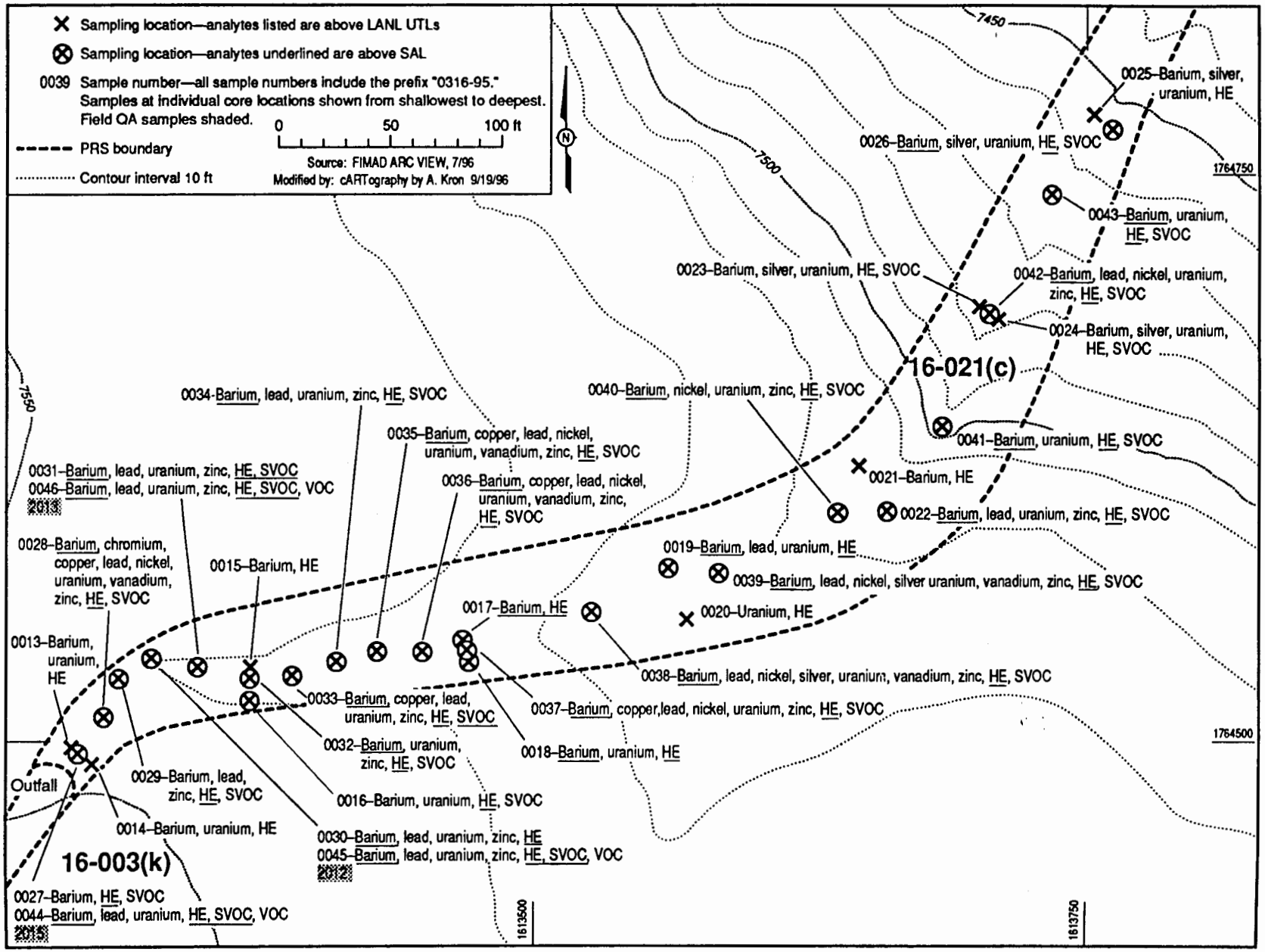


Fig. 5.2.4-1. PRS 16-021(c), HE sump drainage at TA-16-260.

Attachment C - Comment 3

Figure indicating locations of elevated barium and boron levels as indicated in Section 2.3.1

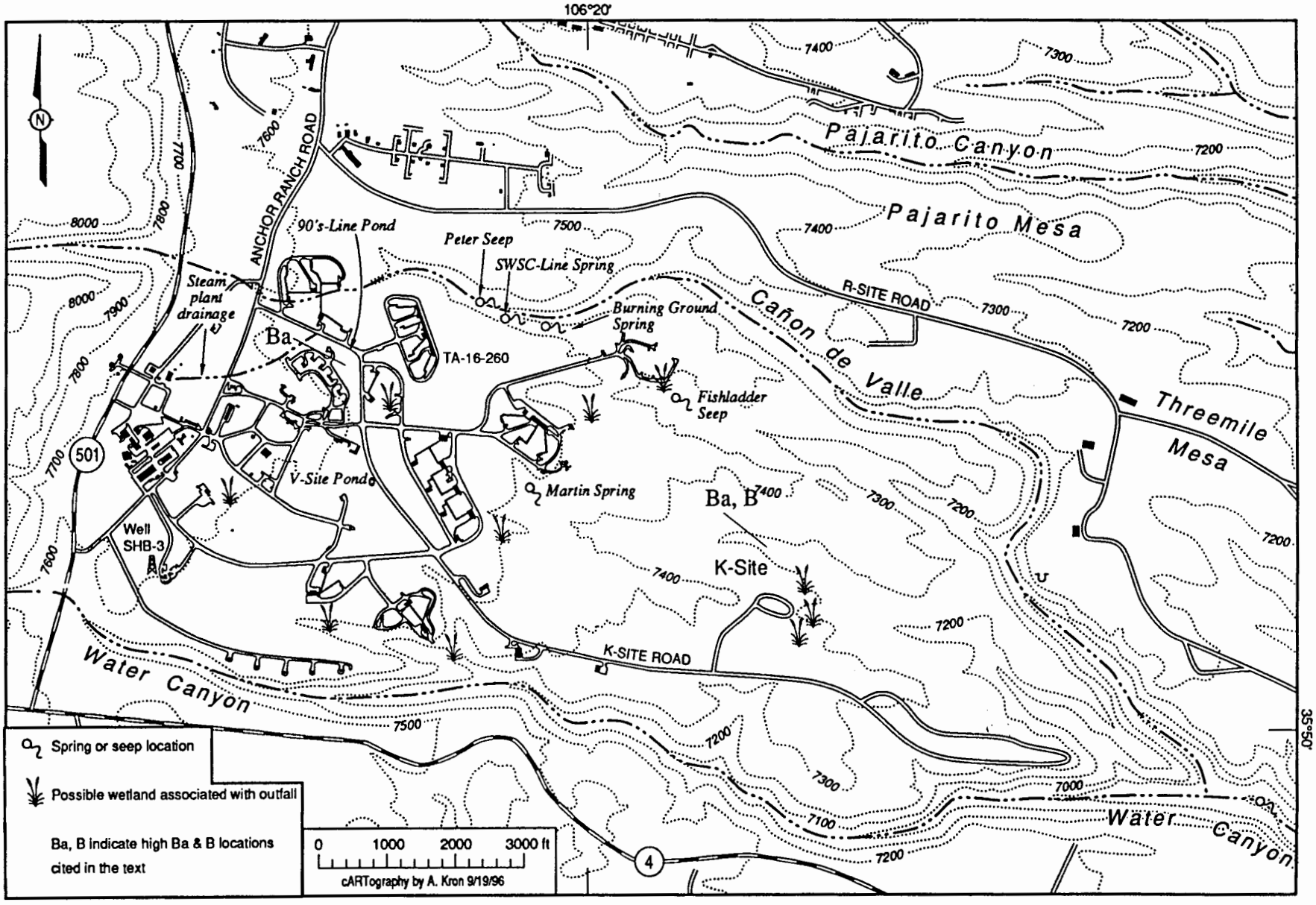


Fig. 2.3.1-1. Topography, springs, seeps, National Wetlands Inventory, and LANL-defined wetlands associated with National Pollution Discharge Elimination System (NPDES) HE outfalls (active and inactive) at TA-16.

Attachment D - Comment 4.c.

Data, sampling dates, sampling intervals, etc. for SHB-3 and the background spring data to which it was compared (all data are from Blake et al. 1995, 1355)

Attachment D Table 1 Major Cation/Anion analyses for water at SHB-3

DESCRIPTION	SAMPLE NUMBER	DATE	TEMP °C	SiO2 (ppm)	Ca (ppm)	Mg (ppm)	Sr (ppm)	Na (ppm)	K (ppm)	Li (ppm)	HCO3 (ppm)	SO4 (ppm)	Cl (ppm)	F (ppm)	Br (ppm)	B (ppm)	CO3 (ppm)	TDS	CATION SUM	ANION SUM	BALANCE
In-situ sample, SHB-3 Well 258m	SHB93-2	7/20/93	16.9	82.4	16	0.85	0.2	24	15.5	0.04	0	7.54	7.54	0.28	0.02	0.09	41.8	205.7	2.33	2.284	0.0198
Run 1, Swab SHB-3 Well	SHB93-3	7/28/93	16.4	73.6	11	0.46	0.19	28.6	13.1	0.04	0	10	8.41	0.19	0.03	<0.05	35	192.3	2.208	2.222	-0.0065
Run 2, Swab SHB-3 Well	SHB93-4	7/28/93	16.6	53.3	20.5	0.17	0.39	20.7	14	0.03	0	6.74	3.97	0.19	0.03	0.27	20.4	166.4	2.341	2.352	-0.005
Run 3, Swab SHB-3 Well	SHB93-5	7/28/93	16.9	50.5	11.6	0.85	0.16	12.2	7.7	0.01	0.2	2.78	2.43	0.11	0.02	<0.05	39.1	129.9	1.389	1.469	-0.0556
Run 4, Swab SHB-3 Well	SHB93-6	7/29/93	16.9	53.5	16.7	1.15	0.16	12.3	6	0.02	26.8	2.28	2.65	0.11	0.03	<0.05	34.2	157.8	1.631	1.735	-0.0619
Run 5, Swab SHB-3 Well	SHB93-7	7/29/93	16.9	50.3	21.9	0.68	0.21	12.2	7	0.02	0	2.59	1.99	0.1	0.03	<0.05	35.7	144.3	1.875	1.901	-0.0136

Attachment D Table 2 Trace Element analyses for water at SHB-3

DESCRIPTION	SAMPLE NUMBER	DATE	TEMP °C	Ag (ppm)	Al (ppm)	As (ppm)	Ba (ppm)	Cd (ppm)	ClO3 (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)	Cu (ppm)	Fe (ppm)	Hg (ppm)	I (ppm)	Mn (ppm)	Mo (ppm)	NH4 (ppm)	Ni (ppm)	NO2 (ppm)	NO3 (ppm)	Pb (ppm)	PO4 (ppm)	Rb (ppm)	Sb (ppm)	Se (ppm)	Zn (ppm)
In-situ sample, SHB-3 Well 258m	SHB93-2	7/20/93	16.9	<0.001	<0.05	<0.001	0.08	<0.0005	NA*	<0.002	0.005	0.002	0.014	0.08	<0.001	<0.01	<0.01	0.11	0.46	0.005	<0.02	0.52	0.022	0.02	0.069	<0.001	<0.001	0.14
Run 1, Swab SHB-3 Well	SHB93-3	8/93	16.4	<0.0005	<0.05	<0.002	0.04	<0.0005	<0.05	<0.002	<0.002	<0.002	<0.002	0.11	<0.0002	<0.01	<0.01	0.1	0.38	<0.002	0.17	0.59	0.014	<0.02	0.09	<0.002	<0.002	0.11
Run 2, Swab SHB-3 Well	SHB93-4	8/93	16.6	<0.0005	0.06	<0.002	0.03	<0.0005	<0.05	<0.002	<0.002	<0.002	0.011	0.02	<0.0002	<0.01	<0.01	0.06	0.38	<0.002	0.06	1.63	0.007	0.02	0.11	<0.002	<0.002	0.05
Run 3, Swab SHB-3 Well	SHB93-5	8/93	16.9	<0.0005	<0.05	<0.002	0.01	<0.0005	<0.05	<0.002	<0.002	<0.002	<0.002	0.02	<0.0002	<0.01	<0.01	0.11	0.1	<0.002	0.03	1.77	0.005	0.1	0.06	<0.002	<0.002	0.01
Run 4, Swab SHB-3 Well	SHB93-6	8/93	16.9	<0.0005	<0.05	<0.002	<0.01	<0.0005	<0.05	<0.002	<0.002	<0.002	<0.002	0.04	<0.0002	<0.01	<0.01	0.006	0.09	<0.002	0.04	1.68	0.003	<0.02	0.05	<0.002	<0.002	<0.01
Run 5, Swab SHB-3 Well	SHB93-7	8/93	16.9	<0.0005	<0.05	<0.002	0.01	<0.0005	<0.05	<0.002	<0.002	<0.002	0.009	0.02	<0.0002	<0.01	<0.01	0.01	0.12	<0.002	0.01	1.59	0.005	<0.02	0.06	<0.002	<0.002	<0.01

*NA=Not analyzed.

Table D Table 3 Stable isotope analyses for water at SHB-3

DESCRIPTION	SAMPLE NUMBER	DATE	TEMP °C	∂D (‰)	$\partial^{18}O$ (‰)	TRITIUM (T.U.)	MAX AGE (years)	MIN AGE (years)	RECHARGE ELEV. (m from ∂D)	RECHARGE ELEV. (m from $\partial^{18}O$)
In-situ sample, SHB-3 Well 258m	SHB93-2	7/20/93	16.9	-75.1	-11.28	0.88	2000	40	2218	2381
Run 1, Swab SHB-3 Well	SHB93-3	7/28/93	16.4	-79.4	-10.73	NA*	NC*	NC	2411	2208
Run 2, Swab SHB-3 Well	SHB93-4	7/28/93	16.6	NA	NA	NA	NC	NC	NC	NC
Run 3, Swab SHB-3 Well	SHB93-5	7/28/93	16.9	NA	NA	NA	NC	NC	NC	NC
Run 4, Swab SHB-3 Well	SHB93-6	7/28/93	16.9	NA	NA	NA	NC	NC	NC	NC
Run 5, Swab SHB-3 Well	SHB93-7	7/28/93	16.9	-77.8	-11.80	NA	NC	NC	2339	2544

*NA=Not analyzed.

*NC= Not calculated.

TABLE J-1 MAJOR ELEMENTS OF BACKGROUND SPRINGS

DESCRIPTION	DATE	BORON (ppm)	BROMINE (ppm)	CALCIUM (ppm)	CHLORINE (ppm)	FLUORINE (ppm)	HYDROGEN CARBONATE (ppm)	LITHIUM (ppm)	MAGNESIUM (ppm)	POTASSIUM (ppm)	SODIUM (ppm)	SILICATE (ppm) calc	SULFATE (ppm)	STRONTIUM (ppm)	TOTAL DISSOLVED SOLVENTS (ppm)	CATION SUM	ANION SUM
Apache Spring	4/03/96	0.005	0.01	10.9	7.72	0.04	69.0	<0.01	4.86	4.75	9.77	56.07	5.93	0.10	171.1	1.532	1.498
Cold Spring west cal	6/1/80	0.73	0.06	12	1.9	0.25	53.7	0.03	1.5	3	8	30.00	5.5	0.06	NC	NC	NC
Frijoles Spring #49	5/22/91	<0.01	<0.02	8	14	0.03	39	<0.01	2.98	2.9	6.8	17.00	3.85	0.09	NC	NC	NC
Frijoles Spring #50	5/22/91	<0.01	<0.02	7.9	6.11	0.04	53.6	<0.01	3.71	2.5	7.2	25.00	2.66	0.07	NC	NC	NC
Pine Spring	5/24/91	<0.01	<0.02	10.7	1.47	0.08	61	<0.01	3.55	3.6	6.4	25.00	7.7	0.08	NC	NC	NC
Pine Spring	3/26/95	0.02	<0.4	11	<5	<0.5	NA	0.01	3.6	3	5.1	NC	66	0.09	NC	NC	NC
Pine Spring	10/16/95	<0.1	NA	10	2	<0.2	48	<0.01	3	3	6	NC	<10	0.07	NC	NC	NC
Seven Springs	10/1/79	<0.003	NA	12.3	3.6	0.21	49	0.018	1.54	2.1	7.23	41.00	8.7	0.071	NC	NC	NC
Seven Springs	5/1/83	NA	0.27	11	1.9	0.25	53.7	0.05	1.4	4	8	30.00	5.9	0.05	NC	NC	NC
Seven Springs	5/10/91	<0.02	<0.02	12.9	1.22	0.16	61	<0.01	1.71	2.4	6.3	31.00	3.85	0.06	NC	NC	NC
Seven Springs	4/3/96	0.013	<0.01	12.5	1.85	0.12	59.5	<0.01	1.63	2.13	7.26	31.03	4.03	0.06	121.5	1.148	1.137
Unnamed Cold	7/1/80	<0.01	<0.2	10.6	7.1	0.3	75	0.024	3.4	3.1	9.4	65.00	3.4	0.049	NC	NC	NC
Unnamed Cold	7/1/80	<0.01	<0.2	10.4	7.5	0.35	73	0.024	3.4	3.2	9	69.00	2.4	0.051	NC	NC	NC
Unnamed Spring	5/28/91	<0.01	<0.02	9.1	1.34	0.14	56.1	<0.01	2.44	4.6	7	21.00	5.73	0.05	NC	NC	NC
Unnamed Spring	9/10/93	<0.05	0.02	11.4	4.38	0.34	80.8	0.03	2.9	2.49	16.2	60.10	4.04	0.1	NC	NC	NC
Water Canyon Gallery	8/1/78	<0.05	NA	7	NA	0.12	52	0.02	3.3	1.4	5.8	43.00	NA	0.05	NC	NC	NC
Water Canyon Gallery	8/18/92	<0.05	<0.02	7.2	0.64	0.05	52.8	<0.01	3.05	1.72	6.3	43.70	1.05	0.07	NC	NC	NC
Water Canyon Gallery	5/20/93	<0.01	0.01	6.94	0.69	0.06	44.6	0.01	2.79	1.79	4.9	39.80	2.85	0.07	NC	NC	NC
Water Canyon Gallery	4/03/96	0.004	<0.01	6.18	0.77	0.03	48.9	0.02	3.15	1.75	5.99	44.30	1.20	0.05	113.6	0.900	0.865

[a]NC = Not calculated.

[b]NA = Not analyzed.

TABLEJ-2 MINOR ELEMENTS OF BACKGROUND SPRINGS

DESCRIPTION	DATE	SILVER (ppm)	ALUMINUM (ppm)	ARSENIC (ppm)	BARIUM (ppm)	CADMIUM (ppm)	COBALT (ppm)	CHROMIUM (ppm)	CESIUM (ppm)	COPPER (ppm)	IRON (ppm)	MERCURY (ppm)	IODINE (ppm)	MANGANESE (ppm)	MOLYBDENUM (ppm)	AMMONIUM (ppm)	NICKEL (ppm)	NITRITE (ppm)	NITRATE (ppm)	LEAD (ppm)	PHOSPHATE (ppm)	RUBIDIUM (ppm)	ANTIMONY (ppm)	SELENIUM (ppm)	THIOSULFATE (ppm)	ZINC (ppm)
Apache Spring	4/03/96	<0.0002	0.28	<0.0002	0.07	<0.0002	<0.002	<0.002	<0.002	<0.002	0.10	<0.0002	<0.01	<0.01	<0.002	0.04	<0.002	0.02	1.33	<0.002	0.07	0.010	<0.0001	<0.0001	<0.01	<0.01
Cold Spring west cal	6/1/80	NA	NA	NA	0.02	0.003	NA	NA	NA	NA	0.2	NA	NA	NA	NA	NA	NA	NA	0.19	NA	NA	NA	NA	NA	NA	NA
Frijoles Spring #49	5/22/91	<0.001	1	<0.05	0.06	<0.001	<0.002	<0.002	<0.005	0.003	2.12	<0.1	<0.01	<0.02	<0.002	0.09	<0.002	<0.02	0.3	<0.002	<0.05	0.006	<0.05	<0.1	NA	<0.01
Frijoles Spring #50	5/22/91	<0.001	0.5	<0.05	0.03	<0.001	<0.002	<0.002	<0.005	0.003	1.08	<0.1	<0.01	<0.02	<0.002	0.08	<0.002	<0.02	0.71	<0.002	0.11	0.007	<0.05	<0.1	NA	0.02
Pine Spring	5/24/91	<0.003	1.4	<0.05	0.05	<0.001	<0.002	0.004	0.006	0.004	4.17	<0.1	<0.01	<0.02	<0.002	0.24	<0.002	<0.02	0.04	0.003	<0.05	0.007	<0.05	<0.1	NA	0.07
Pine Spring	3/26/95	<0.01	1	<0.005	0.1	<0.005	<0.01	<0.01	NA	<0.01	0.5	<0.0002	NA	<0.01	<0.01	NA	<0.02	NA	0.2	<0.003	NA	NA	<0.06	<0.005	NA	<0.02
Pine Spring	10/16/95	<0.01	<0.2	<0.01	<0.1	<0.005	<0.01	<0.01	NA	<0.01	<0.1	<0.0002	NA	<0.01	<0.01	NA	<0.02	NA	0.1	<0.003	NA	NA	<0.02	<0.005	NA	<0.02
Seven Springs	10/1/79	<0.03	0.2	NA	0.036	<0.03	<0.06	0.001	NA	<0.04	0.036	NA	NA	0.001	0.001	NA	<0.05	NA	NA	<0.14	NA	NA	NA	NA	NA	<0.01
Seven Springs	5/1/83	NA	0.2	NA	0.02	0.003	NA	NA	NA	NA	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Seven Springs	5/10/91	<0.001	<0.1	<0.05	0.01	<0.001	<0.002	0.011	<0.005	<0.002	0.52	<0.1	<0.01	<0.02	<0.002	0.04	<0.002	<0.02	0.47	<0.002	<0.05	0.02	<0.1	<0.1	NA	0.01
Seven Springs	4/3/96	<0.0002	0.12	0.0004	0.02	<0.0002	<0.002	<0.002	<0.002	0.002	0.02	<0.0002	<0.01	<0.01	<0.002	0.06	<0.002	<0.01	1.16	<0.002	<0.05	0.019	<0.0001	0.0003	<0.01	0.01
Unnamed Cold	7/1/80	<0.03	NA	NA	0.016	<0.001	<0.001	<0.001	NA	<0.001	0.15	NA	NA	0.002	<0.002	NA	<0.002	NA	<0.2	<0.004	<0.2	NA	NA	NA	NA	0.024
Unnamed Cold	7/1/80	<0.03	NA	NA	0.022	<0.001	<0.001	0.004	NA	<0.001	1.19	NA	NA	0.135	<0.002	NA	<0.002	NA	0.7	<0.004	<0.2	NA	NA	NA	NA	0.008
Unnamed Spring	5/28/91	<0.001	3.8	<0.05	0.08	0.001	<0.002	0.004	0.007	0.007	13.4	<0.1	<0.01	<0.02	<0.002	0.38	<0.002	<0.02	0.09	0.005	<0.05	0.01	<0.05	<0.1	NA	0.06
Unnamed Spring	9/10/93	<0.0005	0.6	0.006	0.03	<0.0002	<0.002	0.003	<0.002	0.008	0.44	<0.0002	<0.01	<0.01	<0.002	0.16	<0.002	<0.01	1.62	0.002	<0.02	0.007	<0.002	<0.002	NA	0.1
Water Canyon Gallery	8/1/78	<0.03	NA	NA	<0.12	<0.03	<0.06	<0.03	NA	<0.04	<0.04	NA	NA	<0.02	<0.1	NA	<0.05	NA	NA	<0.14	NA	NA	NA	NA	NA	<0.01
Water Canyon Gallery	8/18/92	<0.001	<0.1	<0.05	0.01	<0.001	<0.002	0.003	<0.002	<0.002	<0.01	0	<0.02	<0.01	0.009	<0.05	<0.002	<0.02	0.48	0.004	<0.05	0.004	<0.1	0	NA	0.02
Water Canyon Gallery	5/20/93	<0.001	0.2	<0.05	0.02	0.001	<0.002	<0.002	<0.002	0.002	0.05	0	<0.01	<0.01	<0.002	<0.02	<0.002	<0.01	0.98	0.005	0.07	0.006	<0.1	0	NA	0.05
Water Canyon Gallery	4/03/96	<0.0002	0.15	0.0004	0.01	<0.0002	<0.002	<0.002	<0.002	<0.002	0.05	<0.0002	<0.01	<0.01	<0.002	0.06	<0.002	0.02	0.91	<0.002	<0.05	0.006	<0.0001	<0.0001	<0.01	<0.01

*NA = Not analyzed.

TABLE J-3 HIGH EXPLOSIVES IN BACKGROUND SPRINGS

DESCRIPTION	DATE	HMX (ppm)	NQ (ppm)	PETN (ppm)	RDX (ppm)	TNT (ppm)
SAL[a]	N/A[b]	1.8	3.7	0.7	6E-04	0.0022
Apache Spring	4/03/96	<0.02	<0.01	<0.05	<0.01	<0.01
Cold Spring west cal	6/1/80	NA[c]	NA	NA	NA	NA
Frijoles Spring #49	5/22/91	NA	NA	NA	NA	NA
Frijoles Spring #50	5/22/91	NA	NA	NA	NA	NA
Pine Spring	5/24/91	NA	NA	NA	NA	NA
Pine Spring	3/26/95	NA	NA	NA	NA	NA
Pine Spring	10/16/95	NA	NA	NA	NA	NA
Seven Springs	10/1/79	NA	NA	NA	NA	NA
Seven Springs	5/1/83	NA	NA	NA	NA	NA
Seven Springs	5/10/91	NA	NA	NA	NA	NA
Seven Springs	4/3/96	<0.02	<0.01	<0.05	<0.01	<0.01
Unnamed Cold	7/1/80	NA	NA	NA	NA	NA
Unnamed Cold	7/1/80	NA	NA	NA	NA	NA
Unnamed Spring	5/28/91	NA	NA	NA	NA	NA
Unnamed Spring	9/10/93	NA	NA	NA	NA	NA
Water Canyon Gallery	8/1/78	NA	NA	NA	NA	NA
Water Canyon Gallery	8/18/92	NA	NA	NA	NA	NA
Water Canyon Gallery	5/20/93	NA	NA	NA	NA	NA
Water Canyon Gallery	4/03/96	<0.02	<0.01	<0.05	<0.01	<0.01

[a]SAL=Screening action level.

[b]N/A= Not applicable.

[c]NA=Not analyzed.

Attachment E - Comment 5.b.

Analytical Methods, detection limits, and summary of QA/QC documentation for the analyses conducted

The analytical methods used for the analyses in this report follow the SW-846 methodology approved by the EPA. The methods are detailed in Table 1 below. Further information about the specific method can be found in the appropriate SW-846 method description.

Table 1

Analytical Methods Used

EPA SW-846 Method	Analytical Method	Analytes
6010	Inductively coupled plasma emission spectroscopy	aluminum, antimony, barium, beryllium, calcium, cadmium, cobalt, chromium, copper, iron, magnesium, manganese, nickel, potassium, silver, sodium vanadium, zinc
7000	Graphite furnace atomic absorption spectroscopy	arsenic, lead, selenium, thallium
7470	Cold vapor atomic absorption spectroscopy	mercury
9010	Colorimetric spectrophotometry	cyanide
8081	Gas chromatography/ electron capture detection	pesticides and polychlorinated biphenyls (see Appendix A of RFI Report Table A-5)
8260	Gas chromatograph/mass spectroscopy	volatile organic compounds (see Appendix A of RFI Report Table A-3)
8270	Gas chromatograph/mass spectroscopy	semi-volatile organic compounds (see Appendix A of RFI Report Table A-4)
8330	High performance liquid chromatography	high explosives (see Appendix A of RFI Report Table A-6)
---	Inductively coupled plasma mass spectrometry or kinetic phosphorescence analysis	total uranium

Semi-volatile organics and metals were also analyzed by the Toxicity Characteristic Leaching Procedure (TCLP) for the purposes of future waste disposal. The TCLP method is described in SW-846 Method 1311 and 40 CFR 261.20 through 261.24.

The detection limits for these methods can be seen in the attached data tables (Attachment 6 of this response). In general, the analytical methods described above were able to achieve detection limits suitable for decision making purposes.

The range of detection limits for those volatile organic compounds with the lowest detection limits (i.e. not including vinyl chloride, acetone, etc.) was 0.005 ppm - 0.008 ppm. Detected values for total uranium ranged from 1.42 to 6.98 ppm. The detection limits for those inorganic compounds which were not detected or infrequently detected are listed in Table 2. Inorganic analytes not listed in Table 2 were present in all samples at levels above the detection limit, in most cases at levels at least twice or three times the detection limit.

Table 2

Detection Limits for Inorganic Compounds

Compound	Range of Detection Limits (ppm)
Antimony	5.22 - 8.2
Beryllium	0.42 - 0.82
Cadmium	0.52 - 0.85
Cobalt	1.0 - 4.3
Cyanide	1.0 - 2
Mercury	0.01 - 0.08
Selenium	0.26 - 1.5
Silver	0.52 - 0.85
Thallium	0.21 - 0.42

In some cases involving high explosives and SVOC analyses, the detection limits are elevated. This is due to the very high amounts of high explosives found in these samples. The high levels of contamination required significant dilution of the extract down to values of 5000 times lower than the original concentration. Significant dilution, occurring in request numbers 563, 1173, and 1268 as well as sample 0316-95-0019 in request number 972 for SVOCs, causes a proportional and unavoidable increase in the detection limits. LANL acknowledges that these locations will need to be resampled in the future once the major HE contamination has been reduced. Resampling at that time will determine if minor contamination from other HE constituents remains at these sample locations. Analytical techniques should be able to achieve contract required detection limits once the significant contamination has been reduced. In the remaining HE samples, detection limits range from 0.15 ppm - 0.19 ppm for the nitrotoluenes, HMX, and RDX to 0.05 ppm - 0.10 ppm for the remaining HE analytes. In the remaining SVOC samples, the range of detection limits for those SVOCs with the lowest detection limits (i.e. not benzoic acid, benzyl alcohol, etc.) was 0.33 ppm - 0.85 ppm.

Chapter 4 and Appendix B of the report contain the QA/QC documentation associated with the data and are summarized here. All sample data presented in this report were analyzed in accordance with the LANL contractual statements of work for individual laboratories as well as the Quality Assurance Project Plan. These documents dictate specific QA/QC protocols. Table 3 contains a list of QA/QC samples used during sample analysis and the purpose of that QA/QC sample.

Table 3

QA/QC Sample Description

QA/QC Sample	Purpose
Laboratory Blank (usually a clean water sample)	To indicate the presence of contamination originating at the laboratory, not at the site.
Laboratory and Field Duplicates	To estimate analytical precision and the degree of sample heterogeneity.
Surrogate (a chemically similar compound added to a sample)	To measure the efficiency of the extraction process and to indicate a potential physical or chemical interference.
Matrix Spike (a sample containing exact additional amounts of chemicals in the suite)	To measure the efficiency of the extraction process and to indicate a potential physical or chemical interference.
Laboratory Control Samples	To assess instrument performance and indicate potential sample interferences.
Internal Standards	To assess instrument performance and indicate potential sample interferences.

The QA/QC results for each analytical suite are summarized below.

Total uranium analyses are valid for use without qualification. Duplicate results were within the acceptable range. No QA/QC problems are associated with the uranium data.

No QA/QC problems were associated with the one pesticide analysis conducted.

Many inorganic data were qualified during baseline validation for a variety of reasons. The most common reason was due to poor duplicate recovery associated with sample heterogeneity common in the highly contaminated soil samples from this site. Another common problem was poor spike recovery. These occurrences did not impact decisions made at this site, although biases due to these QA/QC problems were taken into consideration during the decision making process. The only other QA/QC problem noted concerned mercury calibration, which caused some mercury data to be U-qualified. In all cases, the inorganic data obtained is valid for the decisions made at this site.

VOC samples associated with request numbers 1102 and 1222 had no significant QA/QC problems other than minor laboratory contamination of the blank sample. VOC samples 0316-95-0044 through 0046 associated with request number 1173 were reanalyzed due to significant QA/QC problems. Although the reanalysis improved the quality of the result, the reanalyzed data were still qualified due to one low internal standard and two low surrogate recoveries. The effect of these two QA/QC results places a low bias on the few VOCs detected and adds uncertainty to the detection limits indicated for the remaining undetected compounds. In no case was any VOC data rejected during baseline or focused validation. All VOC data is useable for decision making purposes although bias indicated by qualification was taken into consideration.

QA/QC issues associated with the high explosives data are a function of the extremely high levels of HE contamination found at this site. Sample variability and poor surrogate recovery are common problems in highly contaminated samples. It is assumed that the

highly contaminated areas at this site will be mitigated and resampled in the future to ensure that the remediation was effective. Analytical data obtained from less contaminated sites showed no QA/QC problems. All HE data is considered useable although the highly contaminated sample values are not considered as accurate as other sample values at this site.

SVOC results had similar QA/QC problems as those for HE discussed above, due to the high levels of HE contamination at site.The effect of the high levels of contamination caused an increase in detection liemits as discussed above. Otherwise the most common QA/QC issue was minor laboratory contamination in the blank sample, causing a number of detected phthalate values to be qualified as undetected. The presence of phthalates in the QC blanks as well as the adequacy of the duplicate samples for SVOCs are further discussed in chapter 4 of this report. Other QA/QC issues affected a few SVOC samples. Sample 0316-95-0024 missed holding times by one day. This minor deviation from the required limit is not expected to significantly affect the quality of the sample results. Samples 0316-95-0048, -0051, and -0053 associated with request number 1102 were affected by a low internal standard recovery. This affected the following SVOCs: di-n-octylphthalate, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, dibenzo(a,h)anthracene, and benzo(g,h,i)perylene. The data for these seven compounds were rejected in sample 0316-95-0051 and -0053, and the detection limits for these seven compounds, which were undetected, were considered estimated in sample 0316-95-0048. These seven compounds were not detected in any of the 27 remaining SVOC samples.

In conclusion, the most significant QA/QC problem associated with this set of data is the elevated detection limits for HE and to a lesser extent SVOCs, due to the extreme levels of contamination in the soil samples. However, the samples affected by this will be remediated and resampled in the future. The accuracy of the data is sufficient to indicate that these samples are serious problems and need reexamination. The other QA/QC issue concerning this data set is related to poor surrogate, matrix spike, and internal standard recovery. This problem was serious enough to cause some VOC, SVOC, and inorganic data to be qualified. However, only 14 values in two SVOC samples were rejected due to this QA/QC problem. The remaining data is of sufficient quality to make the decisions presented in this report.

Attachment F - Comment 6

Pertinent Sections of the QAPP

D1 DATA REVIEW: VERIFICATION AND BASELINE VALIDATION

All data generated by ER Project data collection activities will undergo a data review process that accomplishes two goals. First, "data verification" assures that needed data are available for further evaluation, assures that contract, or other, specifications have been met (or noted where not met), and provides the information needed for prompt and appropriate payment for analytical services. Second, "baseline validation" attaches qualifiers to data that do not meet specifications and provides information on potential deficiencies of that data. Reason codes for the qualifiers are also assigned to data to help users understand why a qualifier was added and the potential impacts of the data deficiency. The product of this first process is a report in FIMAD that can be used, as is, for data quality assessment (DQA) (see Section D3 of this document) and, as necessary, to focus further validation efforts. See Figure D-1 for a portrayal of the data verification/baseline validation process and Figure D-2 for a flow diagram that shows where the process fits into the entire data collection process.

For routine analytical services (RAS), the verification and baseline validation processes are carried out simultaneously. Those processes make use of a checklist for data completeness and compliance that is based on the routine analytical contracts, and that use standard validation qualifiers based on the commonly accepted contract laboratory program (CLP), "CLP Functional Guidelines" for review of analytical data. During this process, missing items are obtained from the laboratory that generated the data and any required corrections to erroneous data are made. These error corrections include both problems with compliance and problems with data entry into FIMAD.

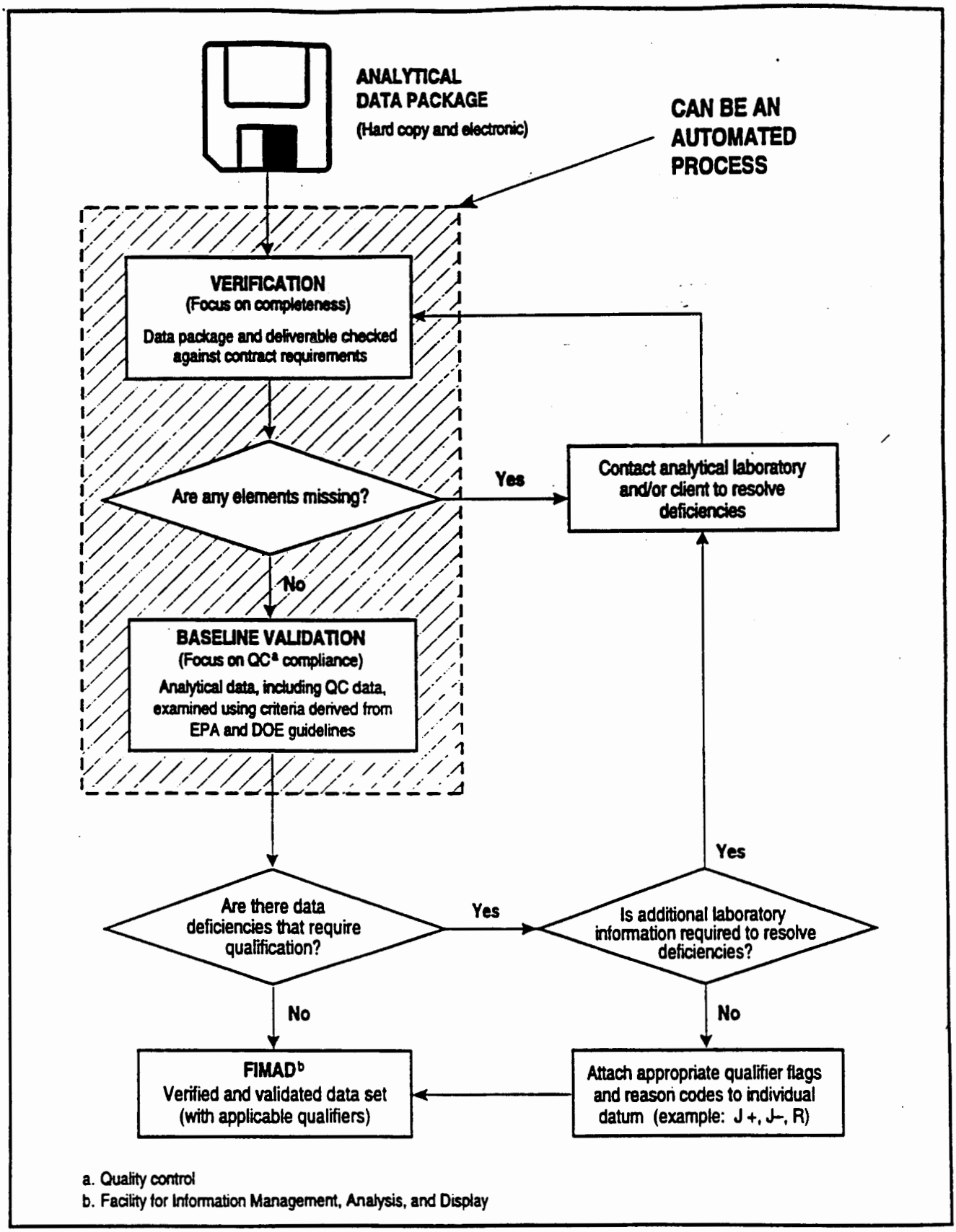
For routine analytical services, the SAP must state that the "LANL ER Checklist and Criteria for Verification and Baseline Validation" (LANL 1995, 52241), including data qualifiers and reason codes, will be used for verification and baseline validation. Forms and checklists may be provided for clarification, based on the analytical services used, e.g., organics, inorganics, high explosive (HE), radiochemistry, or commonly used mobile laboratory SOWs.

If known, the SAP should identify anticipated needs for focused validation (see Section D2 of this document). For example, when petroleum hydrocarbons are anticipated to be an interference in semivolatile analyses, the SAP should specify that the chromatograms will be reviewed to assess the effect or potential effect of interferences on the reported data.

For nonroutine analytical services (NRAS), which include off-site analytical services, field analyses, and field measurements, verification criteria must be stated in the SAP or SOP. These verification, or acceptance, criteria are most efficiently used when they are provided as a checklist or data review SOP. The qualifiers that have been stipulated for the routine analytical services should be used to provide consistent data qualifiers within FIMAD. The SOP must also provide reason codes that are appropriate for the specific analyses. In the case of NRAS, the verification and baseline validation criteria should be combined. This will create a single set of requirements that must be met. Data failing these requirements will be qualified and reason codes will be attached.

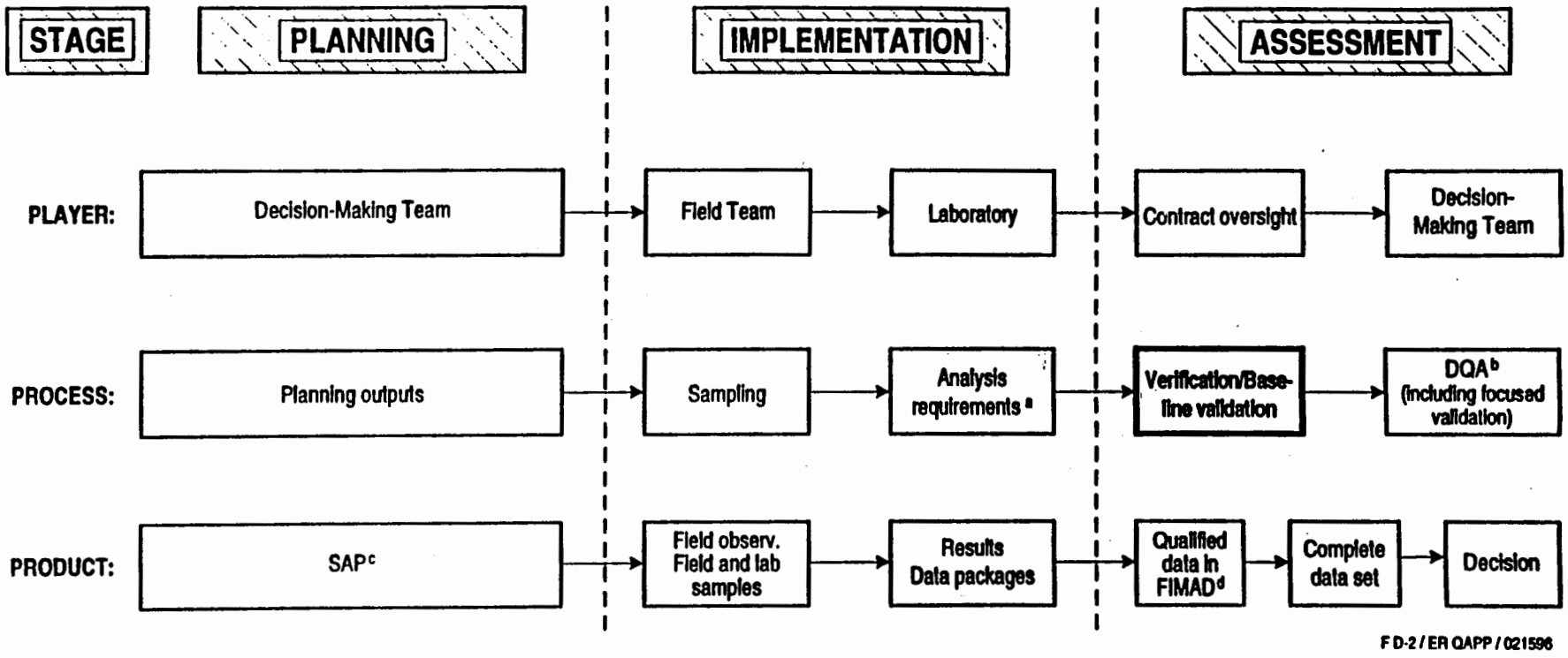
For NRAS, the SAP must provide the following:

- the problem-specific verification and baseline validation criteria (the analytical data generator must be made aware of these criteria). Note that if the nonroutine service closely resembles



F D-1 / ER QAPP / 021596

Figure D-1. The data verification/baseline validation process.



a. Analysis requirements are specified in a formal statement of work or contract.
b. Data quality assessment
c. Sampling and analysis plan
d. Facility for Information Management, Analysis, and Display

Figure D-2. Data flow diagram for the Environmental Restoration Project.

a routine service, the routine verification/baseline validation procedures may be cited, with appropriate deviations identified;

- the payment implications if measurement criteria are not met;
- the process for corrective action (e.g., completion and correction of data package); and
- if known, any need for additional focused validation (see Section D2 of this document).

These items can be provided by reference to appropriate SOPs and SOWs or by incorporating the requirements into the SAP.

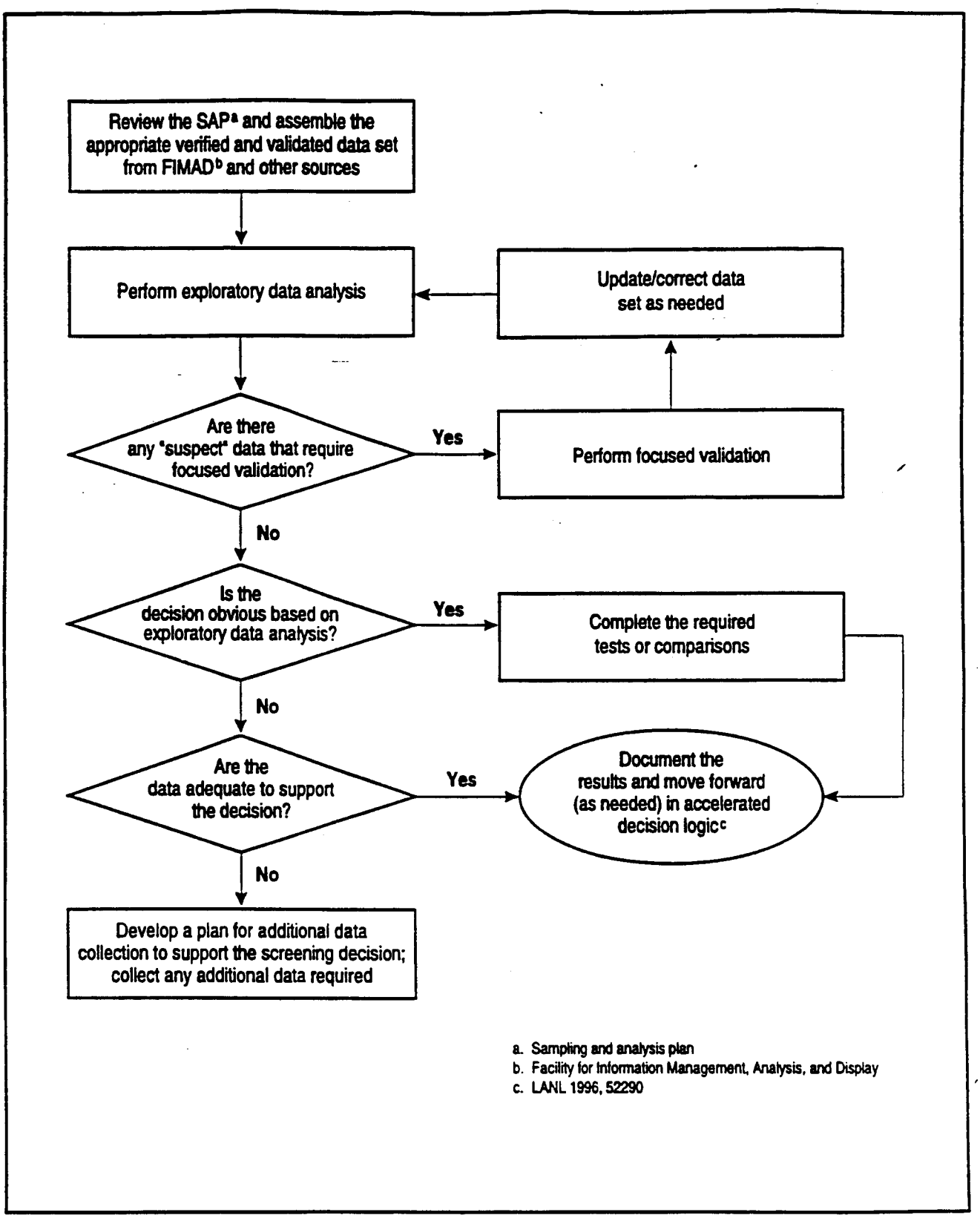
The baseline validation process focuses on the measurement data. The variability associated with the measurement process often represents only a minor component of the overall variability in the environmental data collection process. Other components of variability in a data set include, but are not limited to, spatial variability of environmental contaminants, variability in the sampling processes, and uncertainty in all other processes that occur during planning, sample collection, field data recording, and reporting. Consequently, data validation should not be overemphasized at the expense of other elements of the data collection process. To better match the cost of data validation with its comparable value, the ER Project requires only this streamlined verification/baseline validation process.

D2 FOCUSED DATA VALIDATION

The purpose of focused data validation is to determine the technical adequacy of measurement data when

- the data are qualified as deficient during the verification/baseline validation process. For example, when holding times are exceeded, interferences are present, artifacts are detected in the laboratory blank, poor sample recovery is indicated, or multiple deficiencies are noted, a focused validation may be required to assist in the determination of data adequacy for the intended use;
- the DQA process requires additional information about the variability or uncertainty of the reported data; or
- the DQA process requires additional information about the data quality prior to making a data use decision because of anomalies detected in a data set.

Figure D-3 depicts where focused validation usually occurs in the DQA process. Focused data validation usually occurs as a result of specific data use questions that arise during the DQA process, which is described in Section D3 of this document. However, unusual, excessive, or potentially fatal deficiencies noted in the report for data verification/baseline validation may trigger focused validation as an initial step in the DQA process. If this appears to be the case, the field unit technical team is notified through appropriate qualifiers and reason codes in FIMAD and must make a decision as to whether the focused validation should be initiated during DQA.



F D-4 / ER QAPP / 022096

Figure D-3. The data quality assessment process.

Focused validation for the LANL ER Project does not result in any adjustment of data (e.g., for bias), because PRS-specific data will usually be insufficient for such a purpose. However, it might be possible, based on historical ER Project-wide QA/QC data, used in conjunction with the site-specific data, to support a conclusion of a bias that can be quantitated and taken into consideration in a decision. Bias considerations must be addressed on a case-by-case basis by the DSC.

Factors which may be used to focus validation are

- qualitative QC measures,
- quantitative QC measures,
- degree of importance of the detection/quantitation limit,
- concern with detectable concentrations,
- analytical false negatives,
- analytical false positives,
- potential use of data not meeting defined performance criteria, or
- analytical uncertainly/variability, especially when results are close to action thresholds and/or detection/quantitation limits.

D3 DATA QUALITY ASSESSMENT: RECONCILIATION WITH PLANNING (SAP) OBJECTIVES

Data quality assessment (DQA) is a data analysis and interpretation process involving scientific and statistical evaluation of data sets to determine if they are sufficient to support specific decisions. To implement the DQA process, the data analyst will work closely with a multidisciplinary team, potentially including the field team leader, data manager, chemist, statistician, risk assessor, and earth scientists. Figure D-3 provides an overview of the approach the ER project uses to implement the DQA process to determine adequacy to support a decision.

The DQA process includes a review of the SAP objectives, data quality requirements, sampling design, and exploratory and confirmatory statistical analyses of the data. Initially the data analyst will assemble the data set, including field information such as sample coordinates and descriptions and associated field measurements, and review any additional reports (e.g., a data validation report).

DQA usually begins with exploratory data analysis, including a significant graphical component. An interactive statistical graphics computer program is very useful for this purpose. Because this process evaluates individual data points within the context of entire data sets, it can quickly identify both "suspect" data and critical observations that could affect decisions based on these data. If necessary, "suspect" data can be submitted for focused validation (see Section D2 of this document) to determine whether they resulted from errors in the data generation process. "Suspect" and other unusual observations may also be reviewed by experts on the natural environment and the measurement process to determine if they have scientific explanations. A third possibility is that such observations simply represent the true variability inherent in the measurement process or the environment.

Following exploratory data analyses and any required focused validation, the DQA process will determine the validity of

- removing questionable results from the data set,
- correcting incorrect data, or
- leaving the data set unaltered.

Any changes made to the data set must be fully documented.

The remainder of the DQA process is intended to reconcile the data with the requirements specified in the SAP, and to assess the adequacy of the data to support the SAP objectives. The DQA process addresses the questions "Did we get what we asked for?" and "Did we ask for what we need?" How this is done depends in part on how quantitatively the original requirements were formulated.

To assess the adequacy of the sampling design to support a decision (e.g. "Did we ask for what we need?"), the data analyst must work with other members of the DQA team to determine if the number and types of samples, as specified in the SAP and as actually collected, were appropriate. This includes

- determining if the number and location of samples required by the SAP were taken;
- determining if the appropriate media were sampled;
- judging the adequacy of the sample number and locations, given the updated understanding of the problem; and
- determining if the understanding of the problem changed since the SAP was prepared because of observations made by the field team.

While problems on one or more of the above do not automatically rule out using the data as planned, they can suggest that supplemental data must be collected before proceeding.

In some cases, the correct decision will be obvious by inspection of the data set; for example, when reported values are far above or are uniformly below SALs. Provided that the sampling design was adequate to support this obvious decision, the evaluation of data adequacy for that decision may terminate after the initial exploratory analysis and the site moves forward in the accelerated decision logic (LANL, 1996, 52290).

If the decision is not obvious, either because the data do not all point in the same direction, or because of some minor problem with the design, or if the SAP specifies that the decision will be based on the results of certain statistical tests or calculations (e.g., on upper confidence bounds for certain population parameters), further examination of the analytical data is required. Qualitative evaluation of the analytical and field data will determine if

- analytical measurements for all variables specified in the SAP were generated;
- the appropriate suite(s) of analytes were requested, given the updated understanding of the problem;

- the analytical methods used were appropriate for the analytes of interest (e.g., inductively coupled plasma atomic emission spectrometry (ICPAES) is typically considered inappropriate for measuring thallium concentrations in soil);

- the detection or quantitation limits reported for "nondetects" were less than or equal to the decision levels specified in the SAP;

- measurement performance requirements (precision and bias) specified in the SAP were met; and

- data collected at different times are consistent between sampling events and between sample request/report numbers.

Beyond these qualitative evaluations, the ER Project will use the DQA process defined by EPA (EPA 1995, 52289), or its equivalent, to assess data adequacy to support a statistically based decision. This process focuses on the adequacy of the data set for decision-making, rather than the integrity of individual measurements. The EPA DQA process assumes that a statistical approach to sampling and analysis was taken, and that the basis for this design (such as the outputs of EPA's DQO process (EPA 1994, 50288) was either recorded in the SAP or can be developed retrospectively. The first two steps of this formal DQA process, review of the sampling design and preliminary data review, are as described above. The remaining three steps are summarized below.

- The data analyst will work with the DQA team to ensure that the most appropriate statistical test will be used. (If the DQO process was followed, then a statistical test was specified in the SAP. However, additional or alternate tests may be considered at this time, particularly if the understanding of the problem has been updated.) Then the underlying assumptions that must hold for the proposed statistical procedures will be evaluated for this data set. In addition, the data analyst will consult with the appropriate scientists and site experts to make sure that the comparisons implied by the statistical test are appropriate from a scientific standpoint.

- In general, the data analyst will use the site data to generate estimates of total study error and to perform the appropriate statistical tests at a significance level consistent with the decision-makers' desire to control decision errors. (Again, if the DQO process was followed, then these limits on decision errors were among its outputs.) In cases where the data set will be used to support a no further action (NFA) proposal or some other specified decision outcome, the data analyst should evaluate the confidence associated with this decision outcome and determine if the data are sufficient to support the decision in that case.

- If an adequate level of confidence was achieved at the contaminant concentrations actually observed, this observation supports the case that data are sufficient to support the proposed decision.

Results of DQA will be documented in adequate detail for the decision-maker and peer reviewers to evaluate the effect of these results on decision-making. If a decision can be made based on the data, the documentation will include both the decision outcome and also the level of confidence that can be ascribed to the decision. The data analyst and other members of the DQA team will develop recommendations in cases where the data are not deemed sufficient to support a decision, which may be included in the documentation or presented to the decision-makers in a less formal manner. If further investigations appear to be required, the data analyst will summarize information contained in the existing data as it applies to the design of subsequent SAPs for this site. As appropriate, the DQA team may recommend that limitations be placed on current or future uses of the data.

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Attachment G - Comment 7

Compilation of All Analytical Data, including non-detectable concentrations - This attachment if a Microsoft EXCEL file included on the floppy disk attached to this response.

Attachment H - Comment 8

Pertinent Sections of "Risk-based Corrective Action" Document

DRAFT DRAFT DRAFT

RISK-BASED CORRECTIVE ACTION PROCESS

Revision 1 DRAFT

The Environmental Restoration Projects at Los Alamos and Sandia National Laboratories

Prepared by the
Los Alamos National Laboratory
Environmental Restoration Decision Support Council
A. M. Dorries (Ed.)
DRAFT
August XX, 1997

LA-UR-97-2811

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APPENDIX A: ACCELERATED CORRECTIVE ACTION PROCESS A-1

APPENDIX B: DERMAL EXPOSURE ASSESSMENT B-1

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LIST OF ACRONYMS

AL	Action level
ALARA	As low as reasonably achievable
AOC	Area of concern
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulations
CMI	Corrective measures implementation
CMS	Corrective measures study
COC	Contaminant of concern
COPC	Contaminant/constituent of potential concern
COPEC	Contaminants of potential ecological concern
DOE	US Department of Energy
DOE/AL	US Department of Energy /Albuquerque Operations Office
DOU	Document of Understanding
DQO	Data quality objective
EEU	Ecological exposure unit
EM/ER	Environmental Management/Environmental Restoration Group
EPA	US Environmental Protection Agency
EQL	Estimated quantitation limit
ER	Environmental restoration
HSWA	Hazardous and Solid Waste Amendments of 1984
LANL	Los Alamos National Laboratory
MCE	Multiple chemical evaluation
NFA	No further action
NMED	New Mexico Environment Department
NPL	National Priorities List
PAH	Polyaromatic hydrocarbon
PCB	Polychlorinated biphenyl
PRS	Potential release site
RAGS	Risk Assessment Guidance for Superfund
RBCAP	Risk-Based Corrective Action Process
RCRA	Resource Conservation and Recovery Act
RESRAD	Residual radioactive material (computer code)
RFI	RCRA facility investigation
SACM	Superfund Accelerated Cleanup Model
SAL	Screening action level
SAP	Sampling and analysis plan
SSG	Soil Screening Guidelines
SNL/NM	Sandia National Laboratories, New Mexico
SWMU	Solid waste management unit
UCL	Upper confidence limit
UTL	Upper tolerance limit
VCA	Voluntary corrective action
VCM	Voluntary corrective measure

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I. INTRODUCTION

The purpose of this document is to identify the risk-based assumptions and methodologies being used by Los Alamos National Laboratory (LANL) and Sandia National Laboratories, New Mexico (SNL/NM) in the implementation of the corrective action process within their Environmental Restoration (ER) Projects. The technical approach for data collection and evaluation at LANL and SNL/NM depends on a number of assumptions related to the way in which data will be used to support decision-making and risk assessment. One of the ER Project's primary roles is to design and conduct data collection activities that will be sufficient to support each decision made during the corrective action process. LANL and SNL/NM recognize that the regulators have final decision authority and will base their decisions on data generated by the Laboratories.

Many of the assumptions that follow in the *Risk-Based Corrective Action Process* (RBCAP) are agreed upon in the Document of Understanding (DOU) (NMED et al. 1995). Specifically, Annex B, *No Further Action (NFA) Process and Criteria*; Annex C, *Voluntary Corrective Action (VCA) Process and Criteria*; Annex E, *Land Use*; Annex F, *Cleanup Levels*; Annex G, *Sampling and Analysis Guidelines*; and Annex L, *Permit Modifications (HSWA Module)* of the DOU have information relative to RBCAP assumptions. As LANL and SNL/NM regulators concur with additional RBCAP assumptions, the agreed-upon assumptions will be formalized in future annexes of the DOU or in facility-specific documents, as necessary.

The development of agreed-upon technical assumptions and definitions of terms is necessary to make RCRA requirements fully operational in planning and implementing ER work. The technical assumptions described herein are intended to supplement and be consistent with those regulations. Although the technical approaches at LANL and SNL/NM follow the same fundamental assumptions, at times the diversified nature of the environmental settings and population characteristics of the two Laboratories dictate a divergence in approach. Throughout this document, any facility-specific approaches, assumptions or nomenclature are presented in shaded boxes.

The proposed approach for implementing the corrective action process at LANL and SNL/NM is summarized in the generic decision flow illustrated in Figure 1. The overall technical approach will be carried out within the framework of a modified DOE streamlined approach that incorporates Data Quality Objectives (DQOs) and risk assessment as well as elements of EPA's Superfund Accelerated Cleanup Model (SACM) to facilitate the rapid cleanup of those units that potentially pose risk. Both the technical approach and decision logic are tied to NMED and EPA regulations and guidance. For all sites, the ultimate objective is to achieve and document that acceptable levels of risk to human health and the environment have been reached and that no further action (NFA) is necessary. Following initial identification of a solid waste management unit (SWMU) or an area of concern (AOC), archival information is reviewed to determine if existing data will support NFA. If not, sampling and analysis plans are developed and implemented. Data obtained are screened to determine whether NFA is appropriate or potential risk-based concerns exist. If so, a preliminary risk assessment may follow to determine whether potential risks suggest NFA is appropriate, or that stabilization or accelerated cleanup should be implemented. Sites posing risks but not appropriate for stabilization or accelerated action will proceed under administrative authority to a corrective measures study (CMS). Following evaluation of preliminary remediation goals, plausible remedial alternatives are evaluated and the administrative authority establishes cleanup standards and approves a remedy. Corrective measures implementation (CMI) and the results of CMI are evaluated by the administrative authority to assure that the completed remedy supports NFA.

Figure A-1 in Appendix A shows the process the Laboratories have developed with NMED to accelerate the corrective action process when appropriate. In general, the accelerated corrective action approach is the same approach stated above and shown in Figure 1. However, the intent of the accelerated approach is to undergo the standard RFI/CMS process with minimal review, thus providing more rapid decisions.

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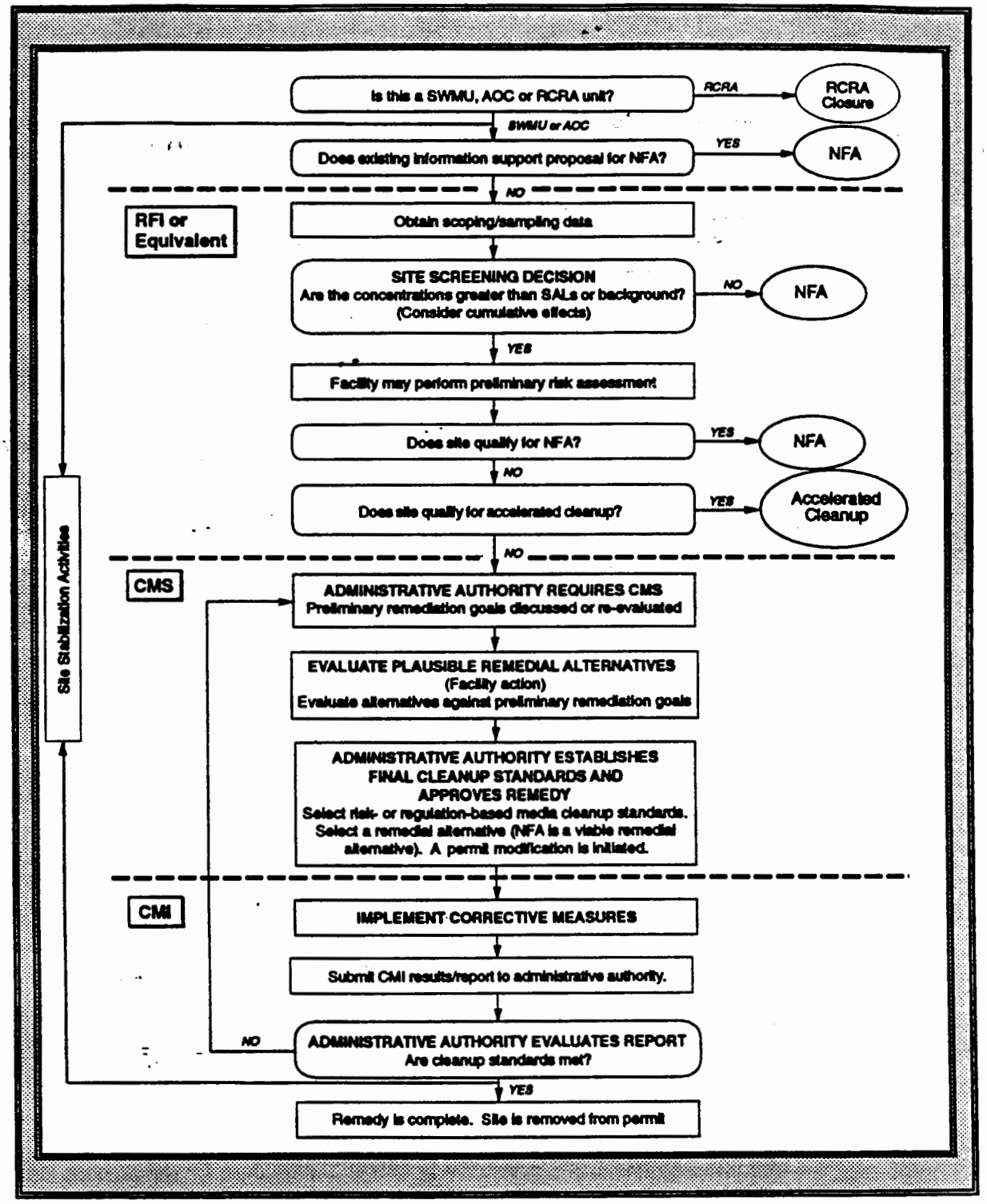
Figure 1. LANL-SNL/NM Decision Framework for the RCRA Corrective Action Process



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II. SITE SCREENING DECISION ASSUMPTIONS

I. General Assumptions

1. Sites can be proposed for NFA under the HSWA Module when sufficient archival data/ information exist(s), site characterization data is complete, or cleanup confirmation data is complete. Sufficient documentation must exist to support one or more of the five criteria listed below. These criteria were agreed upon by NMED, EPA, DOE, and the Laboratories in Annex B of the Document of Understanding (NMED et al. 1995). Upon approval from regulators, sites meeting one of the NFA criteria are removed from the HSWA Module. The same criteria are applied to sites not listed in the HSWA Module. Non-HSWA Module sites are proposed for NFA to the DOE. Upon DOE approval, the sites are removed from the total list of potential release sites (PRSs).
   - NFA Criterion 1. The site cannot be located or has been found not to exist, is a duplicate PRS, or is located within and therefore, investigated as part of another PRS.
   - NFA Criterion 2. The site has never been used for the management (that is, generation, treatment, storage, or disposal) of RCRA solid or hazardous wastes and/or constituents or other CERCLA hazardous substances.
   - NFA Criterion 3. No release to the environment has occurred, nor is likely to occur in the future.
   - NFA Criterion 4. There was a release, but the site was characterized and/or remediated under another authority which adequately addresses corrective action, and documentation, such as a closure letter, is available.
   - NFA Criterion 5. The PRS has been characterized or remediated in accordance with current applicable state or federal regulations, and the available data indicate that contaminants pose an acceptable level of risk under current and projected future land use.
2. Historical process knowledge and screening samples can be sufficient to focus the analyses of samples to those chemicals that are plausible at a site, rather than performing a full-scan analysis on all samples. However, when any degree of uncertainty is involved, a full-scan analysis may be necessary.
   - For example, where historical process information clearly shows that certain chemicals (e.g., high explosives, plutonium) were never handled at a site, analyses for these constituents need not be performed.
3. Professional judgment and/or results from field survey techniques can be used to bias the location and the number of samples needed for site characterization in order to increase the probability of detecting contaminants relative to purely random sampling approaches.

II. Background Comparison Assumptions

4. Only constituents that exceed background concentrations are considered potential contaminants. Background data sets differ for classes of contaminants and between Laboratories. Choice of appropriate background screening values is defined for each Laboratory in the boxes below. In addition,
   - Site data are considered indistinguishable from background when:
     - Site concentrations are statistically indistinguishable from background as defined below, even if observed concentrations exceed the risk-related criteria described below in Assumption 5.

— Statistical analyses can include graphical comparisons of background and PRS data; parametric statistical procedures such as the t-test and regression analysis; and non-parametric statistical tests such as the Wilcoxon Rank Sum and Quantile tests. (Project Consistency Team [EM/ER:96-PCT-010]; Ryti et al. 1996).

- Any contaminant detected for which no background data exists will be carried to the next screening step.
- Because Laboratory-specific background data sets differ, flow charts of statistical assumptions and tests used for background comparisons have been provided to regulators by LANL and SNL separately.

At LANL,

Background can vary from site to site and for chemical classes and is defined as follows:

—LANL-wide inorganic background is used in screening comparisons. The LANL-wide background soil concentrations of inorganics have been determined for specific soil horizons; geological strata; and sediments in the canyons (Project Consistency Team [EM/ER:96-PCT-010]; Ryti et al. 1996).

—Site data are compared to the appropriate subset unless the soil horizon is neither known nor relevant (e.g., fill of unknown origin).

—Site-specific background data may be required in cases where site data exceed both LANL-wide background and screening action levels (SALs, see next section); when ecological risk is the primary decision point; or when arsenic or beryllium are known (or suspected) to have been released at the PRS (LANL-wide concentrations of these two inorganics are known to routinely exceed SALs).

—Radionuclide background values for soil, sediment, and fill material consist of the maximum and/or upper tolerance limit (UTL) from data in regional sites published in LANL environmental surveillance reports and sediment background sample data collected by the ER Project. Uranium and thorium background values for tuff are estimated based on total uranium and thorium. (Project Consistency Team [EM/ER:96-PCT-010]; Ryti et al. 1996; Ryti et al. 1997, in preparation).

—For background comparisons, contaminant values are the maximum reported values for PRS radionuclide data sets. For inorganics, the calculated 95th percentile (95% confidence) UTL for the best-fit normal, lognormal, or square root-transformed normal distribution is used when sufficient data are available to estimate a distribution. If data are insufficient, the maximum reported value is used for inorganics. UTLs are checked for consistency within the appropriate data group to ensure that inflated values are not used.

At SNL/NM,

—Site-specific contaminant concentrations (usually the maximum value obtained) are compared to background screening values as defined below. If all potential chemical of concern (COC) values are below their respective background screening values, the site is deemed suitable for an NFA proposal. Otherwise, all potential COCs are carried into the next screening step, with the exception of lead. Lead is compared to the EPA guidance screening for lead (EPA 1994).

—SNL/NM has a facility-wide background study data set approved by the NMED (IT 1996). The facility wide background study has a list of background screening values based on either the 95th UTL or percentiles, as applicable, of the populations analyzed.

—Site-specific background values may be used to compliment the site-wide background study or be used exclusively in areas where site-wide background values do not apply or exist.

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III. Screening Assumptions

5. A screening assessment is performed to evaluate potential soil contaminants. The facility specific screening processes for LANL and SNL/NM are presented below. The basic concept for screening is similar between the facilities. Because SNL/NM has fewer potential release sites, the screening process has been completed at that facility.
   - At LANL, SALs are used as action levels. At SNL/NM, the functional equivalent of the SAL is the action level (AL).
   - SALs/ALs are used to identify chemicals of potential concern (COPCs) and determine the need for further investigation.
   - SALs are not used as target risk levels or cleanup standards unless supported by site-specific risk calculations.
   - A target dose[1] level is used to derive SALs/ALs for radioactive constituents. SALs/ALs for radioactive constituents are calculated using RESRAD.
     - — Standard residential default exposure values are used in radionuclide models for body weight, intake rate, etc.
     - — Dose is summed over multiple pathways, e.g., external irradiation, dust inhalation, and produce ingestion are considered as well as direct soil ingestion.
     - — Environmental parameters required by radionuclide models are set conservatively, but appropriately, for each Laboratory.
   - In general, the maximum observed concentration, rather than an average of several observations, is compared with SALs/ALs in order to identify COPCs. SAL/AL comparisons are based on measured concentrations, unadjusted for natural or anthropogenic (e.g., atmospheric fallout) background.
     - — In some cases (with prior approval from regulators), observations made on composite samples, or averages of closely related samples such as field duplicates, may be compared with SALs/ALs to identify COPCs.
     - — SALs are based on exposure to contaminants in surface soils.

At LANL,
- Screening action levels (SALs) are used to identify chemicals of potential concern (COPCs) and determine the need for further investigation. Analytes that exceed background require further action if they also exceed SALs or if the analyte contributes significantly to the multiple chemical evaluation (MCE).
- SALs for chemical constituents are based on EPA Region IX preliminary remediation goals for residential soil. These values are based on risk at 10^{-6} and HI <1.
  - —As required and when sufficient toxicity data are available in the peer-reviewed literature, LANL ER Decision Support Council personnel will calculate SALs for chemicals not included in the Region IX database. SALs are calculated using Region IX default parameters for the residential scenario. The scenario includes the ingestion pathway, the inhalation pathway, and dermal contact. When toxicity data are not available, surrogate chemicals will be chosen to evaluate toxicity.
  - —For PCBs, a SAL of 1 ppm will be used for field screening at industrial sites. (EPA 1994: Section [a][3][ii]). A SAL of 0.1 ppm will be used at residential sites.
- The dose level selected to calculate radionuclide SALs is 10 mrem/yr, based on it being a fraction of the DOE's annual effective dose rate of 100 mrem/yr from all sources. DOE also requires that doses to the public exceeding 10 mrem/yr at DOE facilities be reported to DOE Headquarters (DOE 5400.5, Ch. II, Section 7). Therefore, further investigation of sites exceeding 10 mrem/yr is consistent with regulatory guidance and appropriate as a screening dose level for an area such as LANL where residential land use is frequently possible.

[1] Dose is defined as the effective dose equivalent as incurred by exposure of an individual to external radiation and to internal radiation from inhalation or ingestion of radionuclides.

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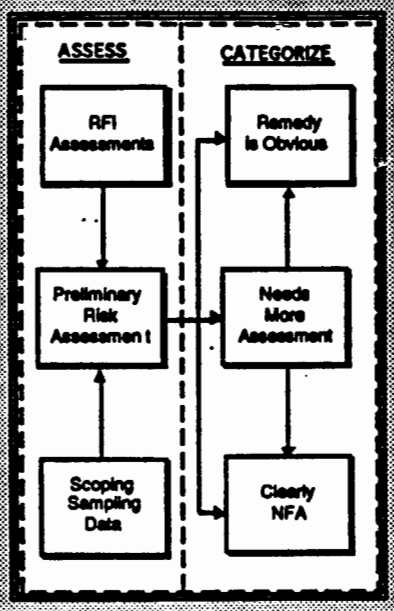
At SNL/NM,
The SNL/NM ER Project has already completed its screening process. As can be seen in the figure below, sites were categorized based on scoping assessments and early RFA/RFI data. A preliminary risk evaluation was conducted to determine the likely outcome of the sites (e.g., needs remediation, likely candidate for NFA). The preliminary risk evaluations were performed with probalistic techniques (Monte Carlo) in order to assess uncertainty and predict the likely range of possible risks posed by a site. If the site posed no risk, an NFA proposal was prepared. Sometimes this included confirmatory sampling to demonstrate compliance (see Assumption 1). If the site posed a significant threat, a remedy selection process was initiated (See accelerated cleanup discussion under Assumption 8). If the preliminary risk evaluation showed that the outcome was uncertain (i.e., not clearly an NFA or remediation), additional assessment activities were planned. Following the assessment activities, another risk evaluation was or will be made to ascertain whether an NFA proposal is likely or a cleanup action is warranted.



6. Multiple contaminants below SALs/ALs may together require further evaluation due to the potential for additive or synergistic toxic effects. EPA Region IX PRGs do not address potential interactions. EPA soil screening guidelines (SSG) suggest that interactions among carcinogens are unlikely to result in an excess risk greater than 10^{-4} if screened individually to a 10^{-6}-based action level, and, therefore, recommend no additional MCE for carcinogens. For non-carcinogens, the SSG recommends interactions be considered only for contaminants having the same target organ (EPA 1996a). As a screening tool, the procedure described below is seen as consistent with and more protective than these guidelines.
   - Constituents that exceed background, but are below SALs/ALs, are screened for potential additivity by summing the normalized maximum observed concentration (maximum concentration divided by respective SAL/AL) for all constituents in this group within a given PRS or PRS aggregate. This approach is conservative because it assumes simultaneous exposure to all constituents by a given receptor.
   - Multiple chemical evaluations (MCEs) are conducted separately for carcinogens, non-carcinogens, and radionuclides. Additivity is assumed within a category.
   - If the sum of the normalized maximum values (rounded to the nearest 10th) is less than 1, no further evaluation of these constituents is required.

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At LANL,

- If the sum of the normalized maximum values is greater than 1, the appropriateness of the sum-of-the-maximum approach is evaluated based on professional judgment. For example, if the PRS is larger than a predicted exposure unit (i.e., the area over which a receptor might be exposed to residual contamination), an additional evaluation such as the maximum sum of normalized values at a given sample location may also be reported to evaluate realistic exposure.
- If the results of an additional analysis (such as described in the previous bullet) also suggest that multiple chemical exposure may be of concern, then constituents will be identified as COPCs and retained for further evaluation if their individualized normalized values (i.e., the maximum or mean, for ample data sets, detected concentration divided by the SAL) are greater than or equal to 0.1. The final decision to retain a constituent as a COPC for further evaluation will also depend on other site-specific considerations and the professional judgments of the risk assessor. Constituents with normalized values less than 0.1 will be dropped from further evaluation.
- Constituents that are in more than one category (e.g., carcinogen, non-carcinogen) are typically included in the category in which they are most potent. However, when the addition of a constituent's toxicity may influence decisions in another category, it will be included in both categories. In addition, uranium is evaluated both as a radionuclide and as a noncarcinogen because these effects occur at a similar dose.
- The means of evaluating data for COPCs having concentrations less than SALs is outlined in the following table:

Detection Status	Relation Between EQLs[a] and SALs	Decision Considerations[d]	Possible Decision Actions
All non-detects	EQL > SAL[c]	Process knowledge and data for similar chemicals	COPC or elimination
All non-detects	EQL < SAL[c]	Process knowledge and data for similar chemicals	MCE[e] or elimination
Some detects[b]	EQL > SAL[c]	Process knowledge and data for similar chemicals	COPC or MCE[f]
Some detects[b]	EQL < SAL[c]	n/a	MCE[g]

a. The estimated quantitation limit (EQL) is the lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine analytical laboratory operating conditions.
b. Assumes none of the detects are at concentrations greater than SALs.
c. Considers the maximum reported EQL for the non-detects.
d. Process knowledge and sample data for similar chemicals are considered to determine the decision action under some scenarios. For example, under the first scenario, if process knowledge indicates that the analyte in question may be present at the site or similar analytes were detected, then this analyte may be retained as a COPC, otherwise it is eliminated from further consideration.
e. If the chemical is not eliminated from further consideration, then the value used in the MCE is the maximum reported EQL.
f. If the chemical is not retained immediately as a COPC based on the relation between EQLs and SAL, then the value used in the MCE is the maximum reported detected concentration.
g. The value used in the MCE is the maximum reported detected concentration.

At SNL/NM,

- Constituents that are both carcinogens and non-carcinogens are included in both categories in MCEs.

7. Appropriate choices of analytical chemistry methods can maximize the ability to detect constituents at or below SAL/AL concentrations.
   - SW 846 methods (when available) are used for fixed analytical laboratories unless other methods are justified.
   - Field measurement and analytic techniques are used where appropriate. If field analytical techniques are not sufficient to detect constituents at SAL/AL concentrations, EPA-approved fixed analytical laboratory methods are used.

- If the detection limit of the fixed analytical laboratory method is above the SAL/AL, and the chemical is expected to be present at the site, then the chemical will be identified as a COPC.

At LANL:
- If field measurement techniques are used to guide fixed analytical laboratory sampling locations and to support site decisions, correlation to laboratory analyticals will be statistically verified.

8. Identification of COPCs indicates only that a problem may exist.
   - Further action may take several forms, to be determined on a case-by-case basis.
     - — Further Evaluation. More in-depth analysis of available data, e.g. using site-specific exposure assumptions, or collection of additional data following screening. Results of these further evaluations could be either NFA, baseline risk assessment, CMS, or accelerated cleanup.
     - — Risk assessment. If one or more measurements at a site are found to be above SALs/ALs and background, a preliminary and/or baseline risk assessment may be used to determine if corrective action is required. Preliminary risk can be assessed using conservative assumptions and existing data. Additional data may be required for the baseline risk assessment if the current data are not adequate to support a risk assessment decision (see assumptions 10 - 17).
     - — Accelerated Cleanup. Accelerated cleanups can proceed without further evaluation and/or a baseline risk assessment under the following conditions:
       - ◊ cleanup levels are based on background concentrations, promulgated standards, or previously determined site-specific risk-based levels;
       - ◊ the remedy is obvious and can be readily applied;
       - ◊ the remedy will be a final resolution in order to prevent potential releases or future migration of contaminants from the site;
       - ◊ acceptable knowledge is available to adequately identify COPCs, e.g., previous sampling data and/or existing data are available to adequately identify COPCs;
       - ◊ adequate waste treatment, storage or disposal capacity is available (including mixed waste if applicable);
       - ◊ the remedy is not worse for the ecosystem, worker safety, or public health than the problem;
       - ◊ uncertainties can be handled by contingencies in the accelerated cleanup plan, and stopping criteria are defined; and
       - ◊ the estimated cost of remediation is expected to be less than the cost of moving forward with further data collection and/or data analysis and risk assessment.

       In the case where extent of contamination is not adequately defined, the accelerated action planning document shall include a sampling and analysis plan (SAP) that outlines the procedures for bounding extent of contamination during field operations. These procedures will consider fate and transport properties for all site contaminants. Cleanup verification SAPs will be designed to confirm the adequacy of the accelerated action.

       The regulator may require and/or the facility may request enhanced regulatory involvement in some accelerated actions. These actions are referred to as voluntary corrective measures (VCMs). Enhanced involvement by the regulator includes review and approval of the VCM plan, potential involvement of the remediation activities, and review and approval of the VCM report.

       Those accelerated actions not requiring enhanced regulatory involvement are referred to as voluntary corrective actions (VCAs). The regulator will be informed of VCA activities. See Appendix A, Figure A-1, for details of where and how the accelerated cleanup approach fits into the overall accelerated corrective action process.

— Stabilization. At any time during the RFI/CMS process, sites may be considered for stabilization if all of the following are true:

◊ sufficient information about contaminants and the environmental setting are known, but the site fails one or more specific accelerated action criteria;

◊ near-term opportunities exist for significant risk reduction, prevention of further contamination, and/or long-term cost savings;

◊ appropriate technologies are available to deal with the known contaminants;

◊ proposed action will not impede or be inconsistent with the expected approach for the final remedy;

◊ the stabilization activity is not worse than the problem for the ecosystem, worker safety, or public health; and

◊ if waste is generated, adequate waste treatment, storage, or disposal capacity is available (including mixed waste if applicable).

At LANL,

- Special Considerations for Specific Constituents
  - — PAHs:
    - ◊ PAHs will be carried forward as COPCs when the following conditions exist:
      - PAHs are present at a site above SALs;
      - a current source for PAHs due to non-LANL industrial operations is not identified; and
      - a Laboratory release cannot be ruled out.
    - ◊ PAHs will not be carried forward as COPCs when the following conditions exist:
      - PAHs are present above SALs, but;
      - no Laboratory release is suspected; and
      - a current source for PAHs due to non-LANL industrial operations is identified.

    Thus, if PAHs are not considered COPCs, a risk assessment will not be done for the site unless warranted by the presence of other constituents. If a risk assessment is done, PAHs will not be included as COPCs. However, the risk related to the PAHs will be presented as part of the background risk characterization

9. Approaches for ecological screening and risk assessment will be consistent with guidance in the EPA *Framework for Ecological Assessment* as further detailed in the draft *Ecological Risk Assessment Guidance for Superfund: Process for Designing and Conducting Ecological Risk Assessments*. This approach is presented in more detail under assumption 17.

III. RISK-BASED DECISION ASSUMPTIONS

10. Human health and ecological risks can only be appropriately evaluated on a scale of relevant exposure units.
    - Individual sites will be aggregated as necessary for appropriate risk evaluation.
    - Aggregate sizes may differ for human health and ecological evaluations depending on the exposure models.

11. Risks to human health and the environment posed by contamination at the site are necessary considerations in further decisions about a site (beyond identification of COPCs and stabilization activities).
    - Decisions made after comparison of individual observations to a SAL/AL are based on generic, conservative assumptions. Appropriate site-specific risk assessments may differ from screening conclusions because the exposure assumptions underlying the SAL/AL calculation are not site-specific, and also because risk depends on the extent and distribution of contamination rather than the maximum observed concentration.
    - Chemicals identified as COPCs because the detection limit was greater than the SAL/AL may be evaluated qualitatively based on process knowledge. If a chemical is not expected to be present at a site, the chemical needs no further consideration.

- If a chemical having a detection limit greater than SAL is expected to be present, it will be included in the risk assessment calculations with the assumption that it is present at a concentration equal to one-half the detection limit.

I. Human-Health Risk Assessment

12. For sites requiring risk assessment and/or cleanup decisions, appropriate land-use scenarios can be identified based on:
    - The facility Site Development Plan; Future-Use Project Report; property management including deed restriction; and current land use.
    - Conceptual models for specific sites consider all exposure pathways appropriate for the site and all populations potentially exposed in a specific scenario. See Appendix B for considerations on the evaluation of dermal exposure.

At LANL,
- Based on the LANL 30-year Site Development Plan (LANL 1994) and other available information, appropriate site-specific scenarios are developed, including residential and commercial use for the townsite or other lands slated for release from DOE control; industrial use for sites of continued Laboratory use; recreational use for areas accessible to the public but not appropriate for residential development (i.e., steep hillsides inappropriate for residential construction); and a Native American scenario developed in cooperation with the adjoining Pueblos for areas with potential impact on Pueblo populations (canyon regions). Parameters for evaluating these scenarios are being developed with the Accord Tribes.

AT SNL/NM,
- Land use in the future is recreational or industrial. These designations are consistent with those approved by the Citizen's Advisory Board.

13. Estimation of risks to human health is based on reasonable and site-specific exposure assumptions. In particular, site-specific land-use assumptions will be used.

14. The water exposure pathway is selected when data indicate that water resources may be impacted. Surface water pathways are also considered, as appropriate.

At LANL,
- Potential contaminant migration to groundwater may be modeled at those mesa-top sites where contamination is detected and the potential for transport to groundwater exists, as determined on a case-by-case basis.
- The groundwater pathway will be considered for canyon-bottom sites.
- Contaminant transport model(s), model inputs, assumptions, and uncertainties will be provided to regulators.
- When contaminant transport/migration is a problem, further action may be triggered by finding concentrations exceeding background levels or method detection limits, because this may be an indication that migration has occurred. LANL will evaluate various contaminant transport models for application and use. Transport models will be presented to regulators prior to their use for site decision-making.

AT SNL/NM,
- The water exposure pathway will be considered for every site, although most SNL/NM sites are not expected to have a groundwater pathway. For those sites with a potential groundwater pathway, flow and transport calculations will be performed to determine the potential impact.

15. Baseline risk assessment may provide a basis for NFA at sites where COPCs have been identified.
    - Superfund's RAGS (EPA 1989) provides the basic guidance for performing baseline risk assessments.
    - If the total carcinogenic risk posed by a PRS is within the 10^{-4} - 10^{-6} risk range (or lower), and the non-carcinogenic risk threshold has not been exceeded, the site may be proposed for NFA.
    - The approach used to conduct the risk assessment will be determined by preliminary information available on the site. In some cases, deterministic approaches may be the most expedient choice, e.g. where sites are well-characterized; the number of COPCs is small; or concentrations clearly indicate a health risk. For other sites, site complexity and decision consequences may necessitate the use of more complex stochastic models or alternative approaches necessary to define sources of uncertainty to guide future decisions. The choice of specific models will be determined by site characteristics. When stochastic models are used, assumptions will be explicitly stated and a reasonable maximal exposure based on deterministic calculations will be included. Models will be presented to regulators prior to their use for site decision-making.
    - Guidelines in proposed 10 CFR 834 and DOE Order 5400.5 (Radiation Protection of the Public and the Environment) establish proper procedures for determining acceptable levels of dose for radiological evaluations. Screening and cleanup level derivation and use of RESRAD and ALARA as methods of determination are supported by these regulations. For volumetric radiological contamination (soil, rubble, etc.), cleanup levels are proposed on a site-specific basis for each nuclide present and are generally calculated using the RESRAD computer code. For unrestricted release and continued Laboratory control, a target dose limit of 15 mrem/yr above background (DOE/AL 1996) is used as a basis for cleanup level calculations.
    - In most cases, radionuclide health assessments are presented in terms of dose (the DOE and EPA measure for limiting risk associated with radionuclides). In those cases for which the risk associated with radionuclides influences decisions associated with other COPCs at the site, the radionuclide risk may also be presented in terms of carcinogenic risk (for qualitative comparison only). The Laboratories caution strongly against adding radioactive risk results with hazardous chemical carcinogen risk estimates due to the marked difference in methods for establishing the respective health effects. This cautionary note is consistent with the EPA's RAGS document (EPA 1989).

16. Exposure estimates are based on the distribution of contamination throughout areas/volumes of contaminated media and over time periods that are consistent with land use assumptions
    - Current EPA guidance for deterministic models suggests using the 95% upper confidence level (UCL) for the mean concentration within such areas/volumes as an estimate of the reasonable maximum exposure associated with that area/volume.
      - When appropriate, alternative statistical models will provide estimates of reasonable maximum exposure.
    - Exposure areas/volumes are established through the DQO process using appropriate land use assumptions.
      - In general, the areas/volumes will be consistent with the selected exposure scenario. That is, the smallest area or volume to which a receptor would be exposed over the entire exposure period determined by that scenario will be used.

II. Ecological Risk Assessment

17. Ecological risk assessment will be performed on PRSs that are aggregated by vegetation type into habitat patches that form reasonable ecological exposure units (EEUs) for ecological receptors. The general approach follows a tiered process as outlined in EPA guidance (EPA 1992; 1994; and 1996b). The final process is being developed in conjunction with NMED.
    - Ecological screening assessment will proceed using a two-step approach in which immediately available data will be used to perform a preliminary screening. Requirements for further assessment will be evaluated for those PRSs that are not screened out in the first step.
    - Contaminants of potential ecological concern (COPECs) will be selected on the basis of detected presence at PRSs.
    - Representative receptors will be selected from food webs established for EEUs in order to protect Threatened and Endangered species, general ecosystem structure, and critical ecological functions.
    - Exposures will be calculated on the basis of contaminant concentrations, contaminant distribution patterns, receptor home range sizes, and receptor foraging strategies.
    - Risk will be assessed by comparing exposures to relevant toxicity data.
    - At sites where remediation is indicated, the ecological effects of leaving COPECs in place will be balanced against the ecological effects of remediation activities.

IV. REMEDY SELECTION AND IMPLEMENTATION ASSUMPTIONS

18. Site-specific land-use assumptions and exposure scenarios (Assumptions 12 and 13) are considered in establishing preliminary remediation goals and media cleanup standards, and also in risk assessments to estimate the reduction of risk realized by a potential corrective action.

19. Target risk and dose levels will be set following EPA, NMED, and DOE guidance.
    - Following EPA guidance, preliminary remediation goals and media cleanup standards for non-radioactive carcinogens are derived using EPA's target incremental risk range of 10^{-4} to 10^{-6}. A target hazard index value of 1 is used for non-carcinogens.
    - For volumetric radiological contamination (soil, rubble, etc.), cleanup levels are proposed on a site-specific and ALARA basis for each radionuclide present. For unrestricted release of residential sites, a target level of 15 mrem/yr above background is used.
    - Cleanup levels will be presented in a table of risk levels for recreational, industrial, and residential scenarios, as appropriate. All parameters used in the derivation of cleanup levels will be detailed in appropriate reports. Although cost factors will be included, these will not form the sole basis of the cleanup level decisions.
    - Risk due to background inorganics will be calculated and presented to regulators for consideration in the establishment of appropriate cleanup levels.

20. For CMSs, media cleanup standards will be established after the results of the CMS have been considered. DOE and the Laboratories will propose a remedy selection following evaluation of alternatives as described below. The administrative authority will approve the proposed plan, negotiate changes, or select an alternative remedy.
    - Remedy selection takes into consideration the potential impacts on the health and safety of workers and the public that will be associated with increased exposure during implementation of the remedy. Other considerations for selection of a remedy may include the cost of the remedial options, Laboratory land-use needs, transportation risk, future liability concerns (e.g., off-site disposal liability), and Natural Resource Damage Assessment.

21. Cleanup actions for radionuclides will incorporate ALARA considerations.
    - The principle of ALARA was developed in the occupational radiation protection discipline in order to ensure that radiation exposure remained well below standards.
    - The ALARA principle has been adapted to radiological cleanup activities as follows:
      - Dose-based cleanup goals are based upon:
        - ◊ nature and extent of contamination,
        - ◊ anticipated future use of the site, and
        - ◊ practicality of alternative cleanup techniques.
      - ALARA takes into account technical practicability, economic factors, variability of site conditions, accessibility of pockets of contamination, access controls, and other factors that influence the costs and benefits of a remedial action.
      - ALARA considerations, at this point, may lead to selecting a goal below the dose-based goal, if the lower goal can be economically and easily achieved.
      - Conversely, ALARA considerations may lead to selection of a goal above the dose-based goal (up to 100 mrem/yr) if conditions make the ultimate goal unachievable.
    - Elements of subjectivity remain in any ALARA decision.
    - ALARA decisions must be made with input and concurrence from the DOE.
    - The principle of ALARA is consistent with the CERCLA process for remedy selection.
22. The attainment of cleanup standards is based on comparison of site verification sampling data to the cleanup standards.
    - Verification sampling plans based on nature and extent will be designed to collect the appropriate number of samples to calculate a 95% UCL to compare to cleanup levels.
    - The 95% UCL will estimate average residual concentrations in appropriate risk-based areas/volumes of contaminated media. For radionuclides, identification of hot spots and evaluation of non-uniform radiological contamination will follow RESRAD and other applicable DOE guidance.
23. If media cleanup standards are unattainable using the selected remedy, an alternative remedy (e.g., conditional) and/or cleanup goals/standards will be negotiated.

V. RISK-BASED DECISION FACTORS AND RISK MANAGEMENT ASSUMPTIONS

24. The procedures described to this point are used to develop a consistent qualitative or quantitative evaluation of site risks at LANL and SNL/NM. The results of these evaluations, however, are only one part of the basis for risk-management decisions. Within the regulatory framework, ranges of acceptable risks are defined, and where in that range a management decision will fall for any given site will be modified by factors including:
    - stakeholder concerns;
    - likelihood of the exposure pathways that were evaluated existing either now or in the future;
    - the weight of scientific evidence for toxicity of site contaminants;
    - limits of the best available technologies for mitigating the problem;
    - potential interactions with other exposure sources in the vicinity;
    - feasibility and reasonable relationship of benefits to costs;
    - other political, social, legal, and cultural considerations.

    The goal of SNL and LANL is to ensure protection of human health and the environment from any contamination that might have occurred during past Laboratory activities. For non-radionuclide contamination, the EPA has established standards by which to judge these potential effects. For radionuclides, DOE, EPA, and the Nuclear Regulatory Commission have established or are in the process of establishing standards and guidance. These risk standards are applied considering the current and potential future land-use and the other modifying factors listed above.

Noncarcinogenic health effects are evaluated by the hazard index. Sites with a hazard index less than 1 are not associated with adverse health effects (EPA 1991a).

Carcinogenic health effects for non-radionuclides are evaluated by comparison of estimated excess cancer risk to the risk range that EPA has designated in the National Contingency Plan and RCRA Subpart S. The EPA considers an excess cancer risk level of 10^{-6} as the value below which no human health effects are likely to occur. Remedial action at a site is warranted if the risk value is above approximately 10^{-4}. For calculated risks in the range of 10^{-4} to 10^{-6}, negotiations are required with the regulatory agency to determine if the excess cancer risk is acceptable.

For sites where radioactive contamination is present, the DOE has authority to protect the public from radiation and radioactive materials. DOE has published health and safety orders of which DOE Order 5400.5, Radiation Protection of the Public and the Environment (DOE 1991), is the most pertinent to development and application of cleanup guidelines. DOE Order 5400.5 requires that doses be reduced to a level as low as reasonably achievable (ALARA) below the primary dose limit of 100 mrem/yr from all DOE sources. As stated in 5400.5, radionuclides are not managed by a risk standard, but rather by dose.

The calculated risk parameter value for the contaminated site is compared to the appropriate regulatory standard. If the risk is greater than the regulatory standard for the appropriate land-use, remedial action is generally warranted. Comparison of site risk parameter values to noncarcinogenic and radiological standards is relatively direct. For sites with potential carcinogens present as contaminants of concern, the EPA has provided a range of values for comparison. The intent of both SNL and LANL is to try to clean-up sites to the lower end of the target range as practical from both technical and economic considerations. As stated in an EPA/OSWER directive (EPA 1991b):

> "Once a decision has been made to take action, the Agency has expressed a preference for cleanups achieving the more protective end of the range (i.e., 10^{-6}), although waste management strategies achieving reductions in risks anywhere within the risk range may be deemed acceptable by the EPA risk manager. Furthermore, the upper boundary of the risk range is not a discrete line at 1×10^{-4}, although EPA generally uses 1×10^{-4} in making risk management decisions. Specific risk estimates around 10^{-4} may be considered acceptable if justified based on site-specific conditions, including any remaining uncertainties on the nature and extent of contamination and associated risks. Therefore, in certain cases EPA may consider estimates slightly greater than 10^{-4} to be protective."

The concept of a range of acceptable risk is also supported in the EPA SSG which states that no evaluation of multiple contaminant interactions is deemed necessary for carcinogens screened to a 10^{-6} risk level because

> "...setting a 10^{-6} excess risk level for individual chemicals and pathways generally will lead to cumulative site risks with the 10^{-4} to 10^{-6} risk range for the combinations of chemicals typically found at NPL sites." (EPA 1996a)

Risk management decisions must involve careful consideration of the uncertainties involved in the risk assessment and the understanding of the site. For example, COPCs for which the weight of evidence for carcinogenicity in humans is high may have target risk levels that are more conservative than COPCs having a weaker weight of evidence for carcinogenicity.

As mentioned in the beginning of this section, risk management decisions must also involve the consideration of technical feasibility, cost, legal issues, potential effects on worker safety and the environment, and socio/political concerns for the remedial action. A detailed discussion of these and other risk management considerations is presented in the Presidential/Congressional Commission on Risk Assessment and Risk Management report, *Framework for Environmental Health Risk Management* (Presidential/Congressional Commission on Risk Assessment and Risk Management 1997).

DRAFT

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EPA (US Environmental Protection Agency), December 1989. "Risk Assessment Guidance for Superfund, Volume I, Human Health Evaluation Manual (Part A)," Interim Final, EPA 540/1-89/002, Office of Emergency and Remedial Response, Washington, DC. (EPA 1989)

IT (International Technology Corp.) 1996. "Background Concentrations of Constitutents of Concern to Sandia National Laboratories/New Mexico Environmental Restoration Project and the Kirtland Air Force Base Installation Restoration Program," Albuquerque, NM. (IT 1996)

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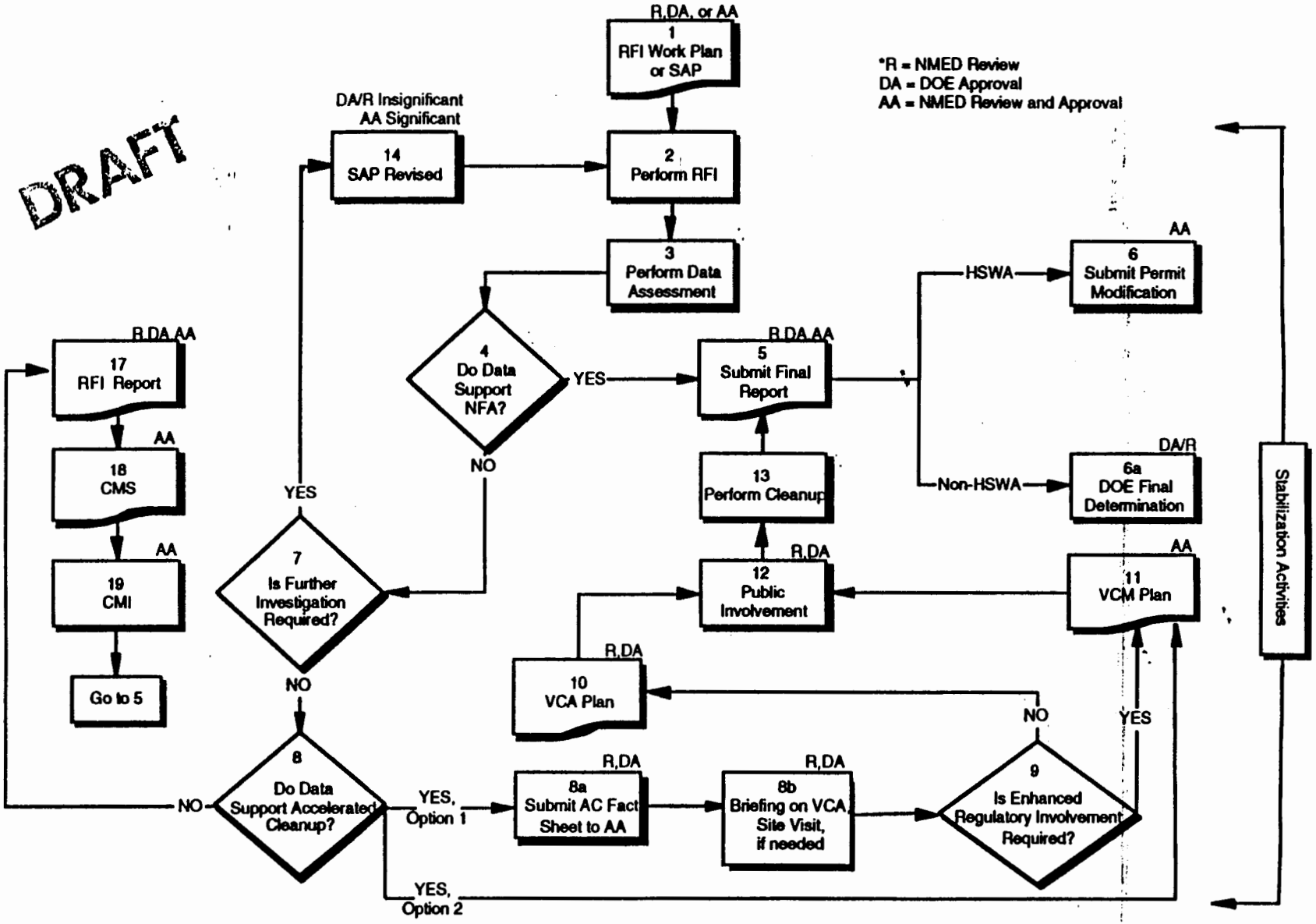
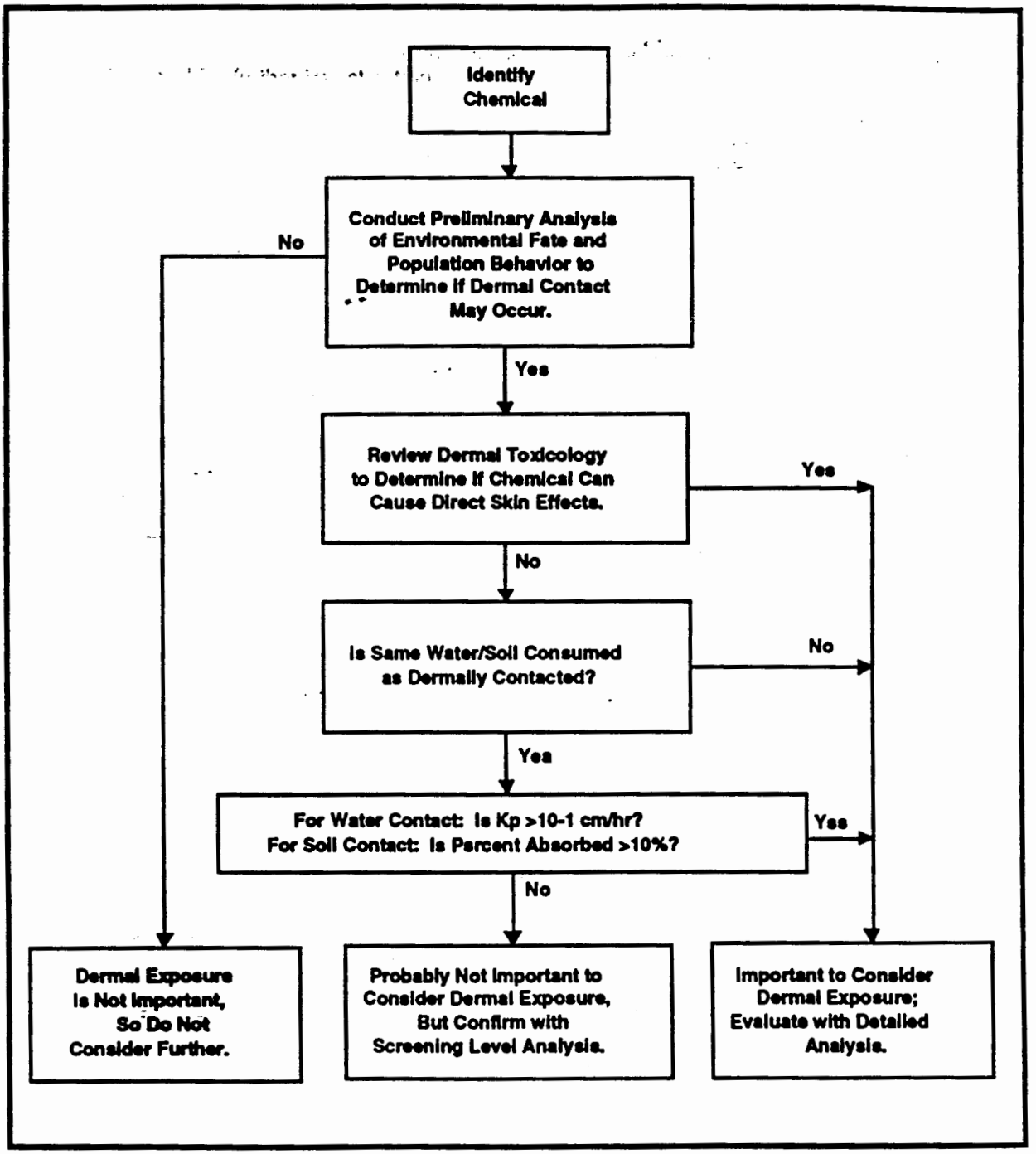
APPENDIX A: ACCELERATED CORRECTIVE ACTION PROCESS



Explanatory text for this diagram can be found in a future annex (nearly completed)of the Document of Understanding (NMED et al. 1995).

APPENDIX B: DERMAL EXPOSURE ASSESSMENT

Figure B-1. Framework to Evaluate the Importance of Dermal Exposure Decisions



Taken from EPA (EPA 1992, 1012, figure, 9-1, page 9-2)

Dermal exposure assessment is associated with substantial uncertainty. For inorganic COPCs in soil, exclusion of the soil-to-dermal pathway is not likely to affect the overall risk estimate assuming other pathways such as soil ingestion are included. This occurs because inorganics are not well absorbed across the skin due to their limited water and lipid solubilities. Also these metals tend to bind strongly to soil further reducing their availability for transport across the skin. Because there are no chemical-specific skin absorption data for inorganics (with the exception of arsenic (3%) and cadmium (1%)), all inorganics are assumed to have a default dermal absorption factor of 1%. This leads to the same percent contribution to total dose regardless of the chemical, i.e., at 1% absorption, the dermal dose is estimated to be 10% of the oral dose from soil ingestion for adults. (EPA 1992)

Dermal Absorption Dose = Csoil x Dermal Absorption Rate = Csoil x Absorption Factor x Adherence Factor x Surface Area

$$\frac{\text{Dermal Absorption Dose}}{\text{Csoil}} = \text{Dermal Absorption Rate} = \text{Absorption Factor} \times \text{Adherence Factor} \times \text{Surface Area}$$

Oral Ingestion Dose = Csoil x Oral Ingestion Rate

Using the EPA Region 9 default assumptions for Adherence Factor and Surface Area, and the default Absorption Factor of 1%:

Dermal Absorption Rate = 0.01 x 0.2 mg/cm^2-day x 5000 cm^2 = 10 mg/day

Therefore, in the case of the default Ingestion Rate of 100 mg/day, the 10 mg/day Dermal Absorption Rate is estimated to contribute 10% of the Oral Ingestion Dose from soil.

Because dermal absorption factors for organics can be significant due to their greater lipid solubility, dermal exposure will be evaluated for organic COPCs. This process is consistent with the decision framework presented in EPA's *Dermal Exposure Assessment: Principles and Applications* and reproduced in Figure B-1.

REFERENCES FOR APPENDIX B

EPA (US Environmental Protection Agency), January 1992. "Dermal Exposure Assessment: Principles and Applications," Interim Report, EPA/600/8-91/011B, Office of Research and Development, Washington, DC. (EPA 1992)

Attachment I - Comment 14.a.

Pertinent sections of the Post-Field Ops Report showing PID/FID readings, HE spot test results, and NaI results

4.21 PRS 16-021(c)

Thirty-three surface analytical samples (including two co-located duplicates) and four subsurface analytical samples (including one co-located duplicate) were collected at PRS 16-021(c). Also, eight subsurface screening samples were collected.

4.21.1 Sample Depths and Locations

Sample depths and locations are listed in Table 4.21.1. Sample locations are also illustrated in Figure 4.21.1.

TABLE 4.21.1: Sample Depths and Locations

Sample ID	Location ID	Location Description	Sample Depth
0316-95-0013	16-1397	Bldg 260 at outfall: 5' N	0-6 inches
0316-95-0014	16-1396	Bldg 260 at outfall: 10' S	0-6 inches
0316-95-0015	16-1399	Bldg 260 at 100 ft.: 5' N	0-6 inches
0316-95-0016	16-1398	Bldg 260 at 100 ft.: 10' S	0-6 inches
0316-95-0017	16-1401	Bldg 260 at 200 ft.: 5' N	0-6 inches
0316-95-0018	16-1400	Bldg 260 at 200 ft.: 5' S	0-6 inches
0316-95-0019	16-1403	Bldg 260 at 300 ft.: 10' N	0-6 inches
0316-95-0020	16-1402	Bldg 260 at 300 ft.: 15' S	0-6 inches
0316-95-0021	16-1405	Bldg 260 at 400 ft.: 15' N	0-6 inches
0316-95-0022	16-1404	Bldg 260 at 400 ft.: 10' S	0-6 inches
0316-95-0023	16-1407	Bldg 260 500 ft.: 5' N	0-6 inches
0316-95-0024	16-1406	Bldg 260 500 ft.: 5' S	0-6 inches
0316-95-0025	16-1409	Bldg 260 600 ft.: 5' N	0-6 inches
0316-95-0026	16-1408	Bldg 260 600 ft.: 5' S	0-6 inches
0316-95-0027	16-1379	Bldg 260 at outfall	0-6 inches
0316-95-0028	16-1380	Bldg 260 outfall + 20 feet	0-6 inches
0316-95-0029	16-1381	Bldg 260 outfall + 40 feet	0-6 inches
0316-95-0030	16-1382	Bldg 260 outfall + 60 feet	0-6 inches
0316-95-2012	16-1382	Bldg 260 outfall + 60 feet	0-6 inches (dup.)
0316-95-0031	16-1383	Bldg 260 outfall + 80 feet	0-6 inches
0316-95-2013	16-1383	Bldg 260 outfall + 80 feet	0-6 inches (dup.)
0316-95-0032	16-1384	Bldg 260 outfall + 100 feet	0-6 inches
0316-95-0033	16-1385	Bldg 260 outfall + 120 feet	0-6 inches
0316-95-0034	16-1386	Bldg 260 outfall + 140 feet	0-6 inches
0316-95-0035	16-1387	Bldg 260 outfall + 160 feet	0-6 inches
0316-95-0036	16-1388	Bldg 260 outfall + 180 feet	0-6 inches
0316-95-0037	16-1389	Bldg 260 outfall + 200 feet	0-6 inches
0316-95-0038	16-1390	Bldg 260 outfall + 260 feet	0-6 inches
0316-95-0039	16-1391	Bldg 260 outfall + 320 feet	0-6 inches
0316-95-0040	16-1392	Bldg 260 outfall + 380 feet	0-6 inches
0316-95-0041	16-1393	Bldg 260 outfall + 440 feet	0-6 inches
0316-95-0042	16-1394	Bldg 260 outfall + 500 feet	0-6 inches
0316-95-0043	16-1395	Bldg 260 outfall + 560 feet	0-6 inches
0316-95-0044	16-1379	Bldg 260 at outfall	1'-1'6"*
0316-95-2015	16-1379	Bldg 260 at outfall	1'-1'6"* (dup.)
0316-95-0045	16-1382	Bldg 260 outfall + 60 feet	1'6"-1'11"*
0316-95-0046	16-1383	Bldg 260 outfall + 80 feet	1'8"-2'2"*

0316-95-1637	16-1379	Bldg 260 at outfall	1'-1'6"*
0316-95-1638	16-1380	Bldg 260 outfall + 20 feet	1'9"-2'3"*
0316-95-1639	16-1381	Bldg 260 outfall + 41 feet	2.0-2.5 feet*
0316-95-1640	16-1382	Bldg 260 outfall + 60 feet	1'6"-1'11"*
0316-95-1641	16-1383	Bldg 260 outfall + 80 feet	1'8"-2'2"*
0316-95-1642	16-1384	Bldg 260 outfall + 100 feet	1'6"-1'14"*
0316-95-1643	16-1385	Bldg 260 outfall + 120 feet	0'10"-1'4"*
0316-95-1644	16-1386	Bldg 260 outfall + 140 feet	0'8"-1'2"*
0316-95-1645	16-1387	Bldg 260 outfall + 160 feet	Not Collected
0316-95-1646	16-1388	Bldg 260 outfall + 180 feet	Not Collected
0316-95-1647	16-1389	Bldg 260 outfall + 200 feet	Not Collected

*= sampled using a hand auger
dup.= QA/QC colocated duplicate sample

4.21.2 Screening Results

Significant screening results and any values above background are listed in Table 4.21.2. The other screening results were non-detects or were at or below background.

TABLE 4.21.2: Screening Results

Sample ID	Location ID	HE Spot Test	NaI2 Detector	PID Reading
0316-95-0013	16-1397	negative	22510 cpm	Background
0316-95-0014	16-1396	negative	22250 cpm	Background
0316-95-0015	16-1399	negative	24560 cpm	Background
0316-95-0016	16-1398	negative	26080 cpm	18 ppm
0316-95-0017	16-1401	negative	22550 cpm	Background
0316-95-0018	16-1400	negative	22580 cpm	20 ppm
0316-95-0019	16-1403	negative	19760 cpm	Background
0316-95-0020	16-1402	negative	23740 cpm	Background
0316-95-0021	16-1405	negative	24470 cpm	Background
0316-95-0022	16-1404	negative	26030 cpm	Background
0316-95-0023	16-1407	negative	13320 cpm	Background
0316-95-0024	16-1406	negative	13480 cpm	Background
0316-95-0025	16-1409	negative	14560 cpm	Background
0316-95-0026	16-1408	negative	14320 cpm	Background
0316-95-0027	16-1379	positive	13340 cpm	Background
0316-95-0028	16-1380	positive	10720 cpm	Background
0316-95-0029	16-1381	positive	11700 cpm	Background
0316-95-0030	16-1382	positive	9960 cpm	Background
0316-95-0031	16-1383	positive	10092 cpm	Background
0316-95-0032	16-1384	positive	13160 cpm	Background
0316-95-0033	16-1385	positive	12000 cpm	Background
0316-95-0034	16-1386	positive	11087 cpm	Background
0316-95-0035	16-1387	positive	10052 cpm	Background
0316-95-0036	16-1388	positive	10057 cpm	Background
0316-95-0037	16-1389	positive	11038 cpm	Background
0316-95-0038	16-1390	positive	12000 cpm	Background
0316-95-0039	16-1391	positive	13660 cpm	Background
0316-95-0040	16-1392	positive	11200 cpm	Background
0316-95-0041	16-1393	positive	18440 cpm	Background
0316-95-0042	16-1394	positive	19200 cpm	Background
0316-95-0043	16-1395	positive	14570 cpm	Background
0316-95-0044	16-1379	positive	9240 cpm	Background
0316-95-0045	16-1382	positive	10340 cpm	Background
0316-95-0046	16-1383	positive	10500 cpm	Background

4.21.3 Deviations from the OU 1082 RFI Work Plan

Three subsurface screening samples requiring PID analysis were not collected. The three samples were intended to be collected at sediment accumulation areas 160, 180, and 200 feet down drainage from the outfall.

TCLP extraction and metals and organics analyses were performed on samples 0316-95-0030 and 0316-95-0031 (and their duplicates) in addition to the other analyses specified in

the Work Plan . The decision to submit the TCLP analyses was made by the FU3 team during a field review of the 1995 sample locations.

4.21.4 Comments

The drainage channel (lateral) bounding samples were collected at locations that were negative for high explosives based on the HE Spot Test Kit as specified in the RFI Work Plan. The lateral bounding sample points were established by screening with the HE Spot Test Kit on five foot intervals up both banks of the drainage channel at the required down drainage distances. Multiple HE spot test analyses were conducted at each of the specified distances to determine the first HE negative horizon up on the banks of the drainage channel. The lateral sample points presented in figure 4.21.1 show the maximum width of HE contamination as determined with the HE Spot Test Kit (i.e. the figure shows the first point to test negative for HE with the spot test at the required down drainage distances).

Elevated PID readings were not observed during the subsurface screening effort in the upper 200 feet of the Building 260 outfall drainage. The subsurface analytical samples were biased to the three areas believed to have the greatest contamination. The locations are at the outfall and at the two surface sample locations within the "pond" area.

A co-located duplicate was taken at surface locations 16-1382 and 16-1383. A co-located duplicate was also taken at the hand auger location 16-1379. Sample 0316-95-2012 is a duplicate of the surface sample 0316-95-0030. Sample 0316-95-2013 is a duplicate of the surface sample 0316-95-0031. Sample 0316-95-2015 is a duplicate of the subsurface sample 0316-95-0044. All three co-located duplicates were collected at locations where an indication of contamination was observed in the field.

4.22 PRS 16-003(k)

Ten subsurface analytical samples and twenty-two subsurface screening samples were collected at PRS 16-003(k).

4.22.1 Sample Depths and Locations

Sample depths and locations are listed in Table 4.22.1. Sample locations are also illustrated in Figure 4.22.1.

TABLE 4.22.1: Sample Depths and Locations

Sample ID	Location ID	Location Description	Sample Depth
0316-95-0047	16-1361	Bldg 260 Sump 4 N corner	Not collected
0316-95-0048	16-1361	Bldg 260 Sump 4 N corner	3-4 feet^
0316-95-0049	16-1645	Bldg 260 Sump 4 S corner	0-1 feet^
0316-95-0050	16-1645	Bldg 260 Sump 4 S corner	3.5-4.5 feet^
0316-95-0051	16-1365	Bldg 260 Sump 13 N corn.	1-2 feet^
0316-95-0052	16-1365	Bldg 260 Sump 13 N corn.	2.5-3.5 feet^
0316-95-0053	16-1646	Bldg 260 Sump 13 S corn.	1'4"-2'4"^
0316-95-0054	16-1646	Bldg 260 Sump 13 S corn.	3'8"-4'3"^
0316-95-0055	16-1356	Bldg 260 trough jct.	Not Collected
0316-95-0056	16-1356	Bldg 260 trough jct.	5-6 feet^
0316-95-0057	16-1357	Bldg 260 trough jct. +12 E	3.0-4.5 feet^
0316-95-0058	16-1357	Bldg 260 trough jct. +12 E	5-6 feet^
0316-95-1656	16-1361	Bldg 260 Sump 4 N corner	0-1 feet^
0316-95-1657	16-1361	Bldg 260 Sump 4 N corner	1-2 feet^ No Recov.
0316-95-1658	16-1361	Bldg 260 Sump 4 N corner	2-3 feet^ No Recov.
0316-95-1659	16-1361	Bldg 260 Sump 4 N corner	3-4 feet^
0316-95-1664	16-1365	Bldg 260 Sump 13 N corn.	0-1 feet^ No Recov.
0316-95-1665	16-1365	Bldg 260 Sump 13 N corn.	1-2 feet^
soil/ tuff interface	16-1365	1.5 feet	See Comments
0316-95-1666	16-1365	Bldg 260 Sump 13 N corn.	2-2.5 feet^ No Rec
0316-95-1667	16-1365	Bldg 260 Sump 13 N corn.	2.5-3.5 feet^
0316-95-1668	16-1646	Bldg 260 Sump 13 S corn.	0-1 feet^ No Recov.
0316-95-1669	16-1646	Bldg 260 Sump 13 S corn.	1-2 feet^
soil/ tuff interface	16-1646	1.5 feet	See Comments
0316-95-1670	16-1646	Bldg 260 Sump 13 S corn.	2-3 feet^ No Recov.
0316-95-1671	16-1646	Bldg 260 Sump 13 S corn.	3-4'3"^
0316-95-1735	16-1645	Bldg 260 Sump 4 S corner	0-1 feet^
0316-95-1736	16-1645	Bldg 260 Sump 4 S corner	1-2 feet^
0316-95-1737	16-1645	Bldg 260 Sump 4 S corner	2-3.5 feet^
0316-95-1738	16-1645	Bldg 260 Sump 4 S corner	3.5-4.5 feet^
soil/ tuff interface	16-1645	4 feet	See Comments
0316-95-1739	16-1645	Bldg 260 Sump 4 S corner	4.5-5 feet^
0316-95-1740	16-1356	Bldg 260 trough jct.	0-1 feet^
0316-95-1741	16-1356	Bldg 260 trough jct.	1-2 feet^ No Recov.
0316-95-1742	16-1356	Bldg 260 trough jct.	2-3 feet^
0316-95-1743	16-1356	Bldg 260 trough jct.	3-4 feet^
0316-95-1744	16-1356	Bldg 260 trough jct.	4-5 feet^
0316-95-1745	16-1356	Bldg 260 trough jct.	5-6 feet^
0316-95-1763	16-1357	Bldg 260 trough jct. +12 W	0-1 feet^
0316-95-1764	16-1357	Bldg 260 trough jct. +12 W	1-2 feet^
0316-95-1765	16-1357	Bldg 260 trough jct. +12 W	2-3 feet^
0316-95-1766	16-1357	Bldg 260 trough jct. +12 W	3-4 feet^
0316-95-1767	16-1357	Bldg 260 trough jct. +12 W	4-5 feet^
soil/ tuff interface	16-1357	4.5 feet	
0316-95-1768	16-1357	Bldg 260 trough jct. +12 W	5-6 feet^

^= sampled using the split spoon

4.22.2 Screening Results

Significant screening results and any values above background are listed in Table 4.22.2. The other screening results were non-detects or were at or below background.

TABLE 4.22.2: Screening Results

Sample ID	Location ID	HE Spot Test	NaI2 Detector	PID Reading
0316-95-1656	16-1361	negative	10580 cpm	13 ppm
0316-95-1659	16-1361	negative	11250 cpm	Background
0316-95-1665	16-1365	positive	N/A	5 ppm
0316-95-1667	16-1365	positive	N/A	Background
0316-95-1671	16-1646	positive	N/A	Background
0316-95-1735	16-1645	positive	11680 cpm	Background
0316-95-1736	16-1645	negative	11960 cpm	Background
0316-95-1737	16-1645	negative	11960 cpm	Background
0316-95-1738	16-1645	positive	11640 cpm	Background
0316-95-1739	16-1645	negative	11940 cpm	Background
0316-95-1740	16-1356	negative	14320 cpm	1 ppm
0316-95-1741	16-1356	no recovery	N/A	1 ppm (in hole)
0316-95-1742	16-1356	negative	N/A	2 ppm
0316-95-1743	16-1356	negative	N/A	2 ppm
0316-95-1744	16-1356	negative	N/A	2 ppm
0316-95-1763	16-1357	negative	N/A	30 ppm
0316-95-1764	16-1357	negative	N/A	30 ppm
0316-95-1765	16-1357	negative	N/A	30 ppm
0316-95-1766	16-1357	negative	N/A	110 ppm
0316-95-1767	16-1357	negative	N/A	110 ppm
0316-95-1768	16-1357	negative	N/A	1 ppm

4.22.3 Deviations from the OU 1082 RFI Work Plan

The drilling core was screened on 12 inch intervals because a 6 inch interval in a 1.55 inch ID split spoon is not enough material for full suite analysis.

Also, the borehole was drilled vertically, not at an angle. Angled boreholes were not allowed because TA-16 personnel believe there to be a greater potential for creating an HE confining hazard with this type of drilling.

The field team collected and submitted two analytical samples from borehole 16-1357 even though none of the screening samples tested positive for HE.

Boreholes were only drilled at two sumps: Sump 4 and 13. At each sump, two boreholes were drilled, one at the southeast corner and one at the northeast corner. The decision by FU3 team members not to drill and sample every sump at Building 260 was discussed with and approved by the EPA.

In addition, FU3 decided to drill only two of the feeder trough boreholes. This was also approved by the EPA.

4.22.4 Comments

Drilling at PRS 16-003(k) proved to be very challenging. The sampling team consistently met refusal at depths between 2-3 feet using the hollow-stem auger rig. The field team switched to a coring method using a specially designed carbide tipped cutting shoe and split-spoon to drill the remaining 2-3 feet in each borehole. Every borehole was drilled to the specified depth.

At the sump boreholes both the shallowest and deepest HE positive intervals were collected except at Borehole 16-1361. There was only one positive interval in Borehole 16-1361 and, therefore, only one sample was collected.

The feeder trough boreholes were biased to obvious cracks in the concrete. In both cases, the crack areas were extensive and indicated that water may have leaked at these locations. There were, however, no HE positive intervals at either of the feeder trough boreholes. Two analytical samples were collected in Borehole 16-1357.

The soil/ tuff interface in PRS 16-003(k) may be deeper than was thought during drilling. The sampling team reported finding engineering fill gravels and lenses of material more closely resembling soil horizons at deeper depths than the soil/ tuff interface. The soil horizons could be highly weathered tuff or a surge bed within the tuff. And, the engineering fill gravels and cobbles could have slid down the hole from a shallower interval. However, tuff and dacite cobbles and gravels are very common at this PRS and were identified in most of the boreholes. What was believed to be tuff (bedrock) may instead be a large tuff cobble that was intersected by the borehole. The interpretation of the depth to tuff in boreholes 16-1365 and 16-1646 is the most suspect. These boreholes have the shallowest intervals for the soil/ tuff interface and numerous dacite and tuff gravels/ cobbles were encountered during the drilling of these two boreholes.

4.23 PRS 16-030(d)

Four subsurface analytical samples and seven surface analytical samples were collected at PRS 16-030(d). Also, thirteen surface screening samples were collected.

Attachment J - Comment 14.c. & 25 d.

Well Construction Diagrams

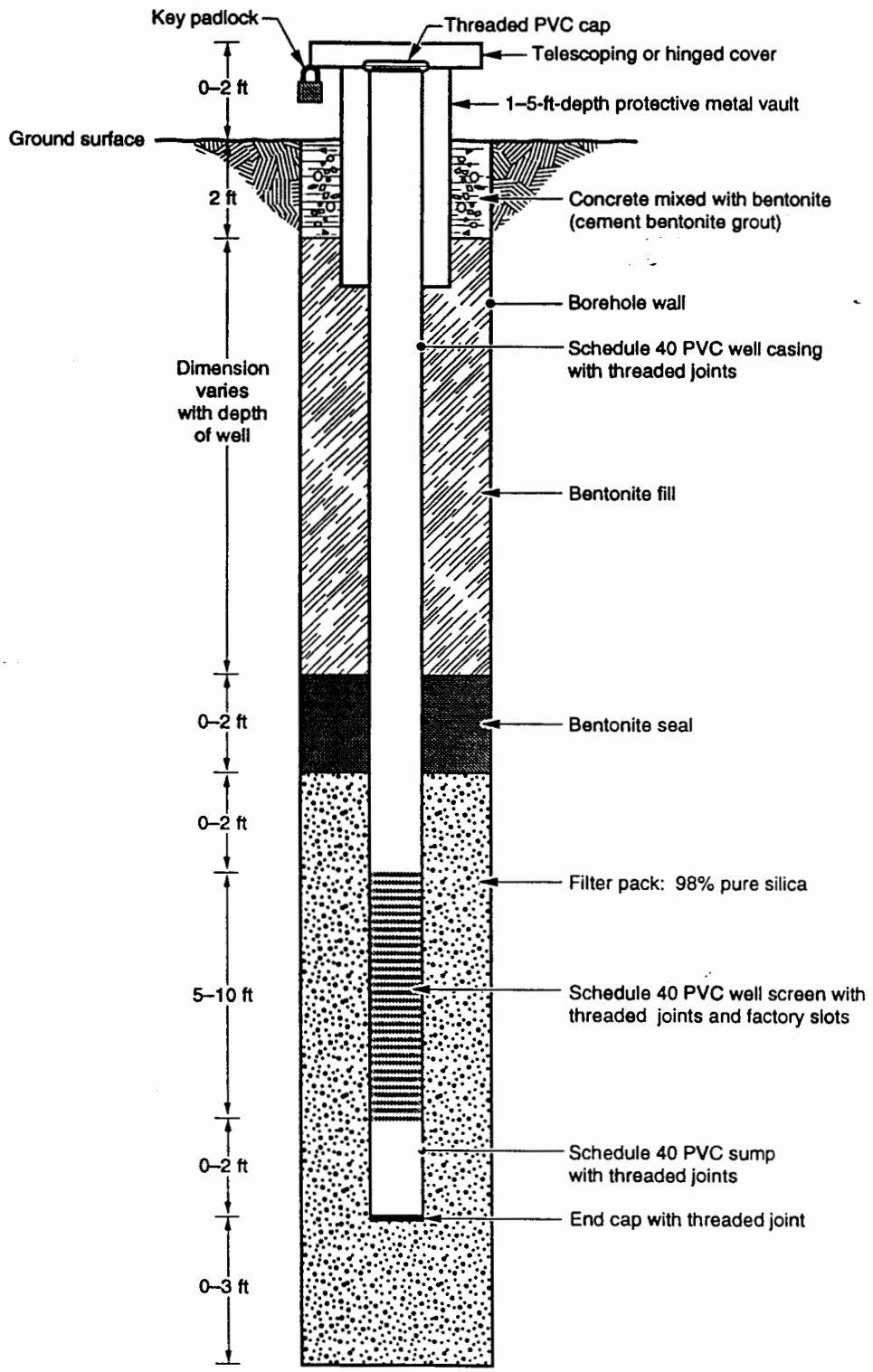


Figure **Typical construction of alluvial well.**

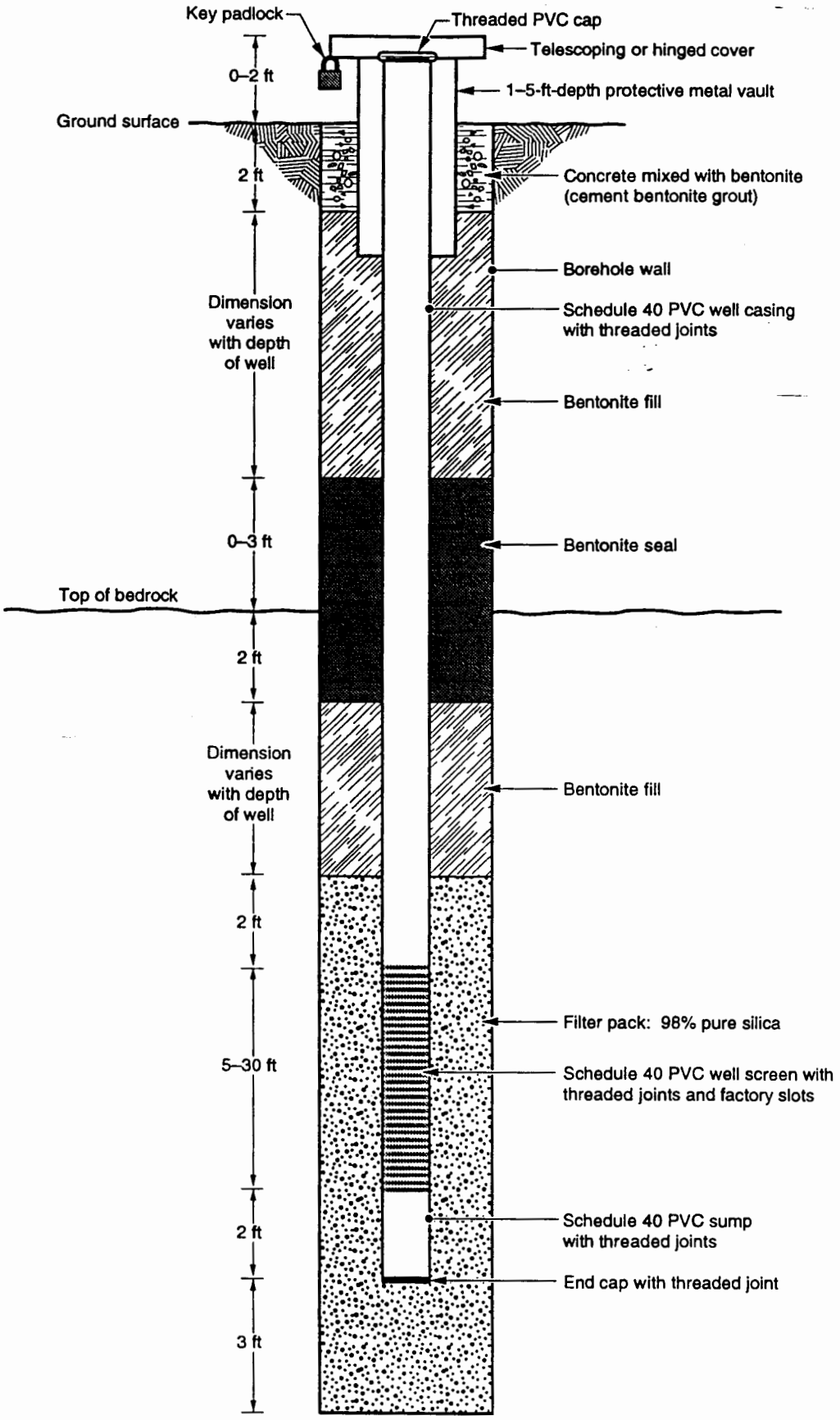


Figure **Typical construction of bedrock well.**

Attachment K - Comment 19

Schematic Diagram of the Drainage Channel and Dam

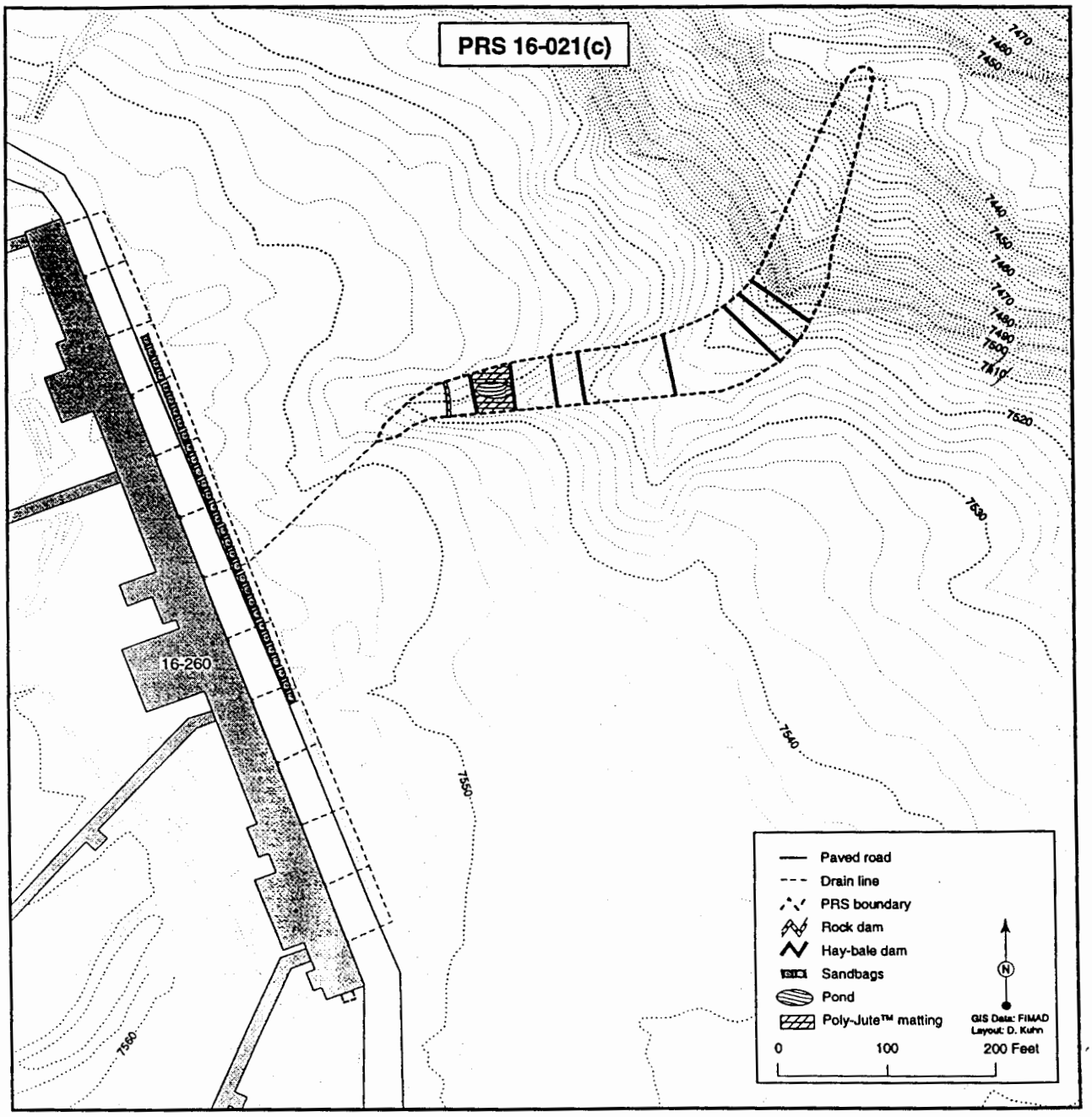


Fig. 1. PRS 16-021(c), outfall from TA-16-260.

Attachment L - Comment 24

Modified Version of Figure 5.2.11.2.1

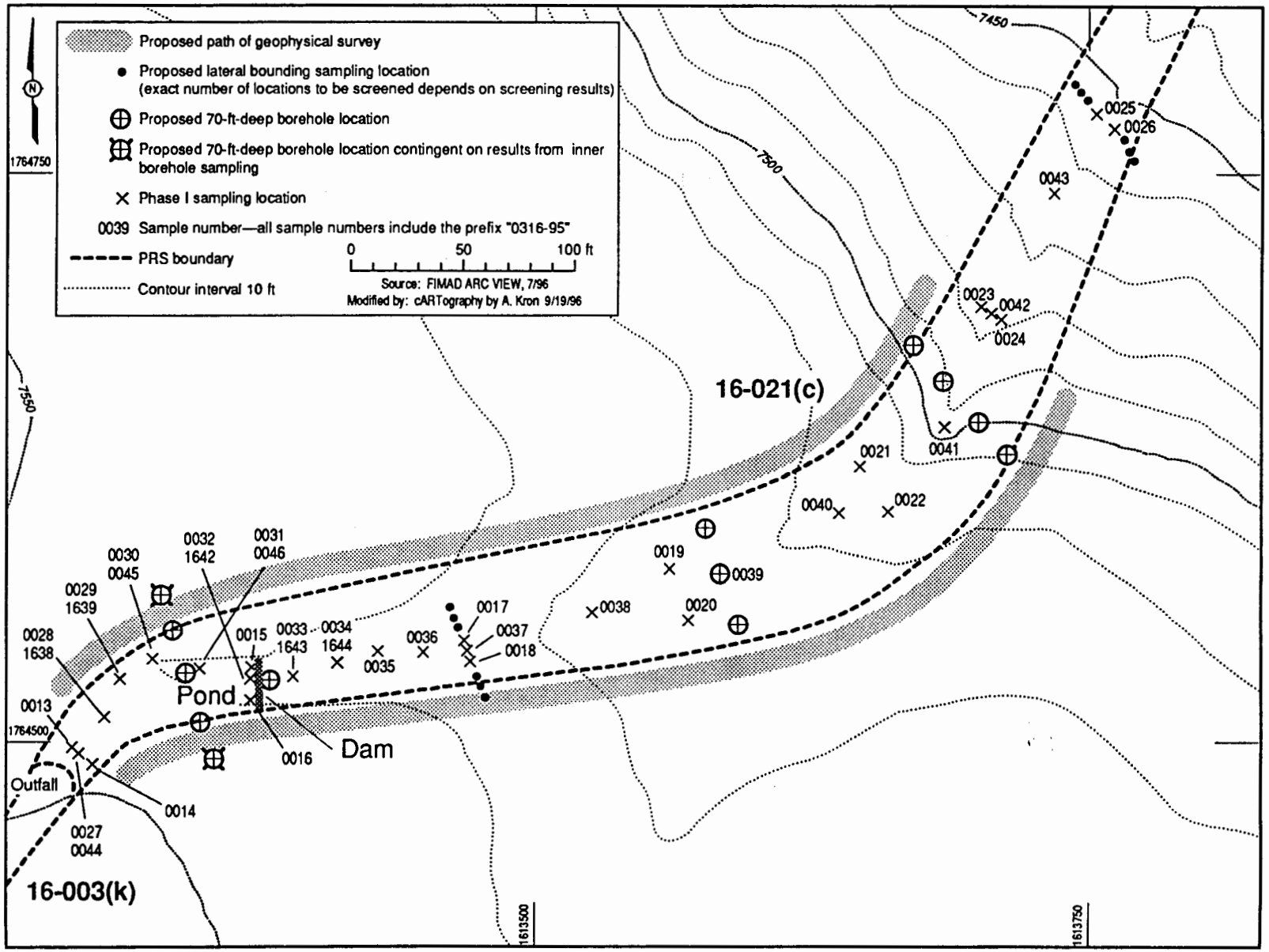


Fig. 5.2.11.2.1-1. Proposed Phase II sampling locations at PRS 16-021(c).

Attachment M - Comment 28

Crosswalk between request numbers and PRS/sample locations

Attachment M
Crosswalk between Request Numbers & PRS/sample locations

Request Number	Analyte Suite	Method [a]	PRS	Location ID	Sample
563	INORGANIC	METTCLP	16-021(c)	16-1382	0316-95-0030
563	INORGANIC	METTCLP	16-021(c)	16-1383	0316-95-0031
563	INORGANIC	METTCLP	16-021(c)	16-1383	0316-95-2013
563	ORGANIC	HEXP	16-021(c)	16-1381	0316-95-0029
563	ORGANIC	HEXP	16-021(c)	16-1382	0316-95-0030
563	ORGANIC	HEXP	16-021(c)	16-1383	0316-95-0031
563	ORGANIC	HEXP	16-021(c)	16-1383	0316-95-2013
563	ORGANIC	HEXP	16-021(c)	16-1385	0316-95-0033
563	ORGANIC	HEXP	16-021(c)	16-1386	0316-95-0034
563	ORGANIC	HEXP	16-021(c)	16-1387	0316-95-0035
563	ORGANIC	HEXP	16-021(c)	16-1388	0316-95-0036
563	ORGANIC	HEXP	16-021(c)	16-1389	0316-95-0037
563	ORGANIC	SEMI	16-021(c)	16-1381	0316-95-0029
563	ORGANIC	SEMI	16-021(c)	16-1382	0316-95-0030
563	ORGANIC	SEMI	16-021(c)	16-1383	0316-95-0031
563	ORGANIC	SEMI	16-021(c)	16-1383	0316-95-2013
563	ORGANIC	SEMI	16-021(c)	16-1385	0316-95-0033
563	ORGANIC	SEMI	16-021(c)	16-1386	0316-95-0034
563	ORGANIC	SEMI	16-021(c)	16-1387	0316-95-0035
563	ORGANIC	SEMI	16-021(c)	16-1388	0316-95-0036
563	ORGANIC	VOATCLP	16-021(c)	16-1382	0316-95-0030
563	ORGANIC	VOATCLP	16-021(c)	16-1383	0316-95-0031
563	ORGANIC	VOATCLP	16-021(c)	16-1383	0316-95-2013
564	INORGANIC	METTALCN	16-021(c)	16-1381	0316-95-0029
564	INORGANIC	METTALCN	16-021(c)	16-1382	0316-95-0030
564	INORGANIC	METTALCN	16-021(c)	16-1383	0316-95-0031
564	INORGANIC	METTALCN	16-021(c)	16-1383	0316-95-2013
564	INORGANIC	METTALCN	16-021(c)	16-1385	0316-95-0033
564	INORGANIC	METTALCN	16-021(c)	16-1386	0316-95-0034
564	INORGANIC	METTALCN	16-021(c)	16-1387	0316-95-0035
564	INORGANIC	METTALCN	16-021(c)	16-1388	0316-95-0036
564	INORGANIC	METTALCN	16-021(c)	16-1389	0316-95-0037
565	RAD	TU	16-021(c)	16-1381	0316-95-0029
565	RAD	TU	16-021(c)	16-1382	0316-95-0030
565	RAD	TU	16-021(c)	16-1383	0316-95-0031
565	RAD	TU	16-021(c)	16-1383	0316-95-2013
565	RAD	TU	16-021(c)	16-1385	0316-95-0033
565	RAD	TU	16-021(c)	16-1386	0316-95-0034
565	RAD	TU	16-021(c)	16-1387	0316-95-0035
565	RAD	TU	16-021(c)	16-1388	0316-95-0036
565	RAD	TU	16-021(c)	16-1389	0316-95-0037
972	ORGANIC	HEXP	16-021(c)	16-1396	0316-95-0014
972	ORGANIC	HEXP	16-021(c)	16-1397	0316-95-0013
972	ORGANIC	HEXP	16-021(c)	16-1398	0316-95-0016
972	ORGANIC	HEXP	16-021(c)	16-1399	0316-95-0015
972	ORGANIC	HEXP	16-021(c)	16-1400	0316-95-0018
972	ORGANIC	HEXP	16-021(c)	16-1401	0316-95-0017

Attachment M
Crosswalk between Request Numbers & PRS/sample locations

972	ORGANIC	HEXP	16-021(c)	16-1402	0316-95-0020
972	ORGANIC	HEXP	16-021(c)	16-1403	0316-95-0019
972	ORGANIC	HEXP	16-021(c)	16-1404	0316-95-0022
972	ORGANIC	HEXP	16-021(c)	16-1405	0316-95-0021
972	ORGANIC	SEMI	16-021(c)	16-1396	0316-95-0014
972	ORGANIC	SEMI	16-021(c)	16-1397	0316-95-0013
972	ORGANIC	SEMI	16-021(c)	16-1398	0316-95-0016
972	ORGANIC	SEMI	16-021(c)	16-1399	0316-95-0015
972	ORGANIC	SEMI	16-021(c)	16-1400	0316-95-0018
972	ORGANIC	SEMI	16-021(c)	16-1401	0316-95-0017
972	ORGANIC	SEMI	16-021(c)	16-1402	0316-95-0020
972	ORGANIC	SEMI	16-021(c)	16-1403	0316-95-0019
972	ORGANIC	SEMI	16-021(c)	16-1404	0316-95-0022
972	ORGANIC	SEMI	16-021(c)	16-1405	0316-95-0021
978	INORGANIC	METTALCN	16-021(c)	16-1396	0316-95-0014
978	INORGANIC	METTALCN	16-021(c)	16-1397	0316-95-0013
978	INORGANIC	METTALCN	16-021(c)	16-1398	0316-95-0016
978	INORGANIC	METTALCN	16-021(c)	16-1399	0316-95-0015
978	INORGANIC	METTALCN	16-021(c)	16-1400	0316-95-0018
978	INORGANIC	METTALCN	16-021(c)	16-1401	0316-95-0017
978	INORGANIC	METTALCN	16-021(c)	16-1402	0316-95-0020
978	INORGANIC	METTALCN	16-021(c)	16-1403	0316-95-0019
978	INORGANIC	METTALCN	16-021(c)	16-1404	0316-95-0022
978	INORGANIC	METTALCN	16-021(c)	16-1405	0316-95-0021
979	RAD	TU	16-021(c)	16-1396	0316-95-0014
979	RAD	TU	16-021(c)	16-1397	0316-95-0013
979	RAD	TU	16-021(c)	16-1398	0316-95-0016
979	RAD	TU	16-021(c)	16-1399	0316-95-0015
979	RAD	TU	16-021(c)	16-1400	0316-95-0018
979	RAD	TU	16-021(c)	16-1401	0316-95-0017
979	RAD	TU	16-021(c)	16-1402	0316-95-0020
979	RAD	TU	16-021(c)	16-1403	0316-95-0019
979	RAD	TU	16-021(c)	16-1404	0316-95-0022
979	RAD	TU	16-021(c)	16-1405	0316-95-0021
1102	ORGANIC	HEXP	16-003(k)	16-1361	0316-95-0048
1102	ORGANIC	HEXP	16-003(k)	16-1365	0316-95-0051
1102	ORGANIC	HEXP	16-003(k)	16-1365	0316-95-0052
1102	ORGANIC	HEXP	16-003(k)	16-1646	0316-95-0053
1102	ORGANIC	HEXP	16-003(k)	16-1646	0316-95-0054
1102	ORGANIC	SEMI	16-003(k)	16-1361	0316-95-0048
1102	ORGANIC	SEMI	16-003(k)	16-1365	0316-95-0051
1102	ORGANIC	SEMI	16-003(k)	16-1365	0316-95-0052
1102	ORGANIC	SEMI	16-003(k)	16-1646	0316-95-0053
1102	ORGANIC	SEMI	16-003(k)	16-1646	0316-95-0054
1102	ORGANIC	VOAGCMS	16-003(k)	16-1361	0316-95-0048
1102	ORGANIC	VOAGCMS	16-003(k)	16-1365	0316-95-0051
1102	ORGANIC	VOAGCMS	16-003(k)	16-1365	0316-95-0052
1102	ORGANIC	VOAGCMS	16-003(k)	16-1646	0316-95-0053
1102	ORGANIC	VOAGCMS	16-003(k)	16-1646	0316-95-0054

Attachment M
Crosswalk between Request Numbers & PRS/sample locations

1106	INORGANIC	METTALCN	16-003(k)	16-1361	0316-95-0048
1106	INORGANIC	METTALCN	16-003(k)	16-1365	0316-95-0051
1106	INORGANIC	METTALCN	16-003(k)	16-1365	0316-95-0052
1106	INORGANIC	METTALCN	16-003(k)	16-1646	0316-95-0053
1106	INORGANIC	METTALCN	16-003(k)	16-1646	0316-95-0054
1108	RAD	TU	16-003(k)	16-1361	0316-95-0048
1108	RAD	TU	16-003(k)	16-1365	0316-95-0051
1108	RAD	TU	16-003(k)	16-1646	0316-95-0053
1108	RAD	TU	16-003(k)	16-1646	0316-95-0054
1173	ORGANIC	HEXP	16-021(c)	16-1379	0316-95-0044
1173	ORGANIC	HEXP	16-021(c)	16-1379	0316-95-2015
1173	ORGANIC	HEXP	16-021(c)	16-1382	0316-95-0045
1173	ORGANIC	HEXP	16-021(c)	16-1383	0316-95-0046
1173	ORGANIC	SEMI	16-021(c)	16-1379	0316-95-0044
1173	ORGANIC	SEMI	16-021(c)	16-1379	0316-95-2015
1173	ORGANIC	SEMI	16-021(c)	16-1382	0316-95-0045
1173	ORGANIC	SEMI	16-021(c)	16-1383	0316-95-0046
1173	ORGANIC	VOAGCMS	16-021(c)	16-1379	0316-95-0044
1173	ORGANIC	VOAGCMS	16-021(c)	16-1379	0316-95-2015
1173	ORGANIC	VOAGCMS	16-021(c)	16-1382	0316-95-0045
1173	ORGANIC	VOAGCMS	16-021(c)	16-1383	0316-95-0046
1174	INORGANIC	METTALCN	16-021(c)	16-1379	0316-95-0044
1174	INORGANIC	METTALCN	16-021(c)	16-1379	0316-95-2015
1174	INORGANIC	METTALCN	16-021(c)	16-1382	0316-95-0045
1174	INORGANIC	METTALCN	16-021(c)	16-1383	0316-95-0046
1175	RAD	TU	16-021(c)	16-1379	0316-95-0044
1175	RAD	TU	16-021(c)	16-1379	0316-95-2015
1175	RAD	TU	16-021(c)	16-1382	0316-95-0045
1175	RAD	TU	16-021(c)	16-1383	0316-95-0046
1203	ORGANIC	HEXP	16-003(k)	16-1645	0316-95-0049
1203	ORGANIC	HEXP	16-003(k)	16-1645	0316-95-0050
1203	ORGANIC	SEMI	16-003(k)	16-1645	0316-95-0049
1203	ORGANIC	SEMI	16-003(k)	16-1645	0316-95-0050
1203	ORGANIC	VOAGCMS	16-003(k)	16-1645	0316-95-0049
1203	ORGANIC	VOAGCMS	16-003(k)	16-1645	0316-95-0050
1204	INORGANIC	METTALCN	16-003(k)	16-1645	0316-95-0049
1204	INORGANIC	METTALCN	16-003(k)	16-1645	0316-95-0050
1205	RAD	TU	16-003(k)	16-1645	0316-95-0049
1205	RAD	TU	16-003(k)	16-1645	0316-95-0050
1222	ORGANIC	HEXP	16-003(k)	16-1361	0316-95-0056
1222	ORGANIC	HEXP	16-003(k)	16-1361	0316-95-0057
1222	ORGANIC	HEXP	16-003(k)	16-1361	0316-95-0058
1222	ORGANIC	HEXP	16-021(c)	16-1406	0316-95-0024
1222	ORGANIC	HEXP	16-021(c)	16-1407	0316-95-0023
1222	ORGANIC	HEXP	16-021(c)	16-1408	0316-95-0026
1222	ORGANIC	HEXP	16-021(c)	16-1409	0316-95-0025
1222	ORGANIC	SEMI	16-003(k)	16-1361	0316-95-0056
1222	ORGANIC	SEMI	16-003(k)	16-1361	0316-95-0057
1222	ORGANIC	SEMI	16-003(k)	16-1361	0316-95-0058

Attachment M
Crosswalk between Request Numbers & PRS/sample locations

1222	ORGANIC	SEMI	16-021(c)	16-1406	0316-95-0024
1222	ORGANIC	SEMI	16-021(c)	16-1407	0316-95-0023
1222	ORGANIC	SEMI	16-021(c)	16-1408	0316-95-0026
1222	ORGANIC	SEMI	16-021(c)	16-1409	0316-95-0025
1222	ORGANIC	VOAGCMS	16-003(k)	16-1361	0316-95-0056
1222	ORGANIC	VOAGCMS	16-003(k)	16-1361	0316-95-0057
1222	ORGANIC	VOAGCMS	16-003(k)	16-1361	0316-95-0058
1223	INORGANIC	METTALCN	16-003(k)	16-1361	0316-95-0056
1223	INORGANIC	METTALCN	16-003(k)	16-1361	0316-95-0057
1223	INORGANIC	METTALCN	16-003(k)	16-1361	0316-95-0058
1223	INORGANIC	METTALCN	16-021(c)	16-1406	0316-95-0024
1223	INORGANIC	METTALCN	16-021(c)	16-1407	0316-95-0023
1223	INORGANIC	METTALCN	16-021(c)	16-1408	0316-95-0026
1223	INORGANIC	METTALCN	16-021(c)	16-1409	0316-95-0025
1224	RAD	TU	16-003(k)	16-1361	0316-95-0056
1224	RAD	TU	16-003(k)	16-1361	0316-95-0057
1224	RAD	TU	16-003(k)	16-1361	0316-95-0058
1224	RAD	TU	16-021(c)	16-1406	0316-95-0024
1224	RAD	TU	16-021(c)	16-1407	0316-95-0023
1224	RAD	TU	16-021(c)	16-1408	0316-95-0026
1224	RAD	TU	16-021(c)	16-1409	0316-95-0025
1268	ORGANIC	HEXP	16-021(c)	16-1379	0316-95-0027
1268	ORGANIC	HEXP	16-021(c)	16-1380	0316-95-0028
1268	ORGANIC	HEXP	16-021(c)	16-1384	0316-95-0032
1268	ORGANIC	HEXP	16-021(c)	16-1390	0316-95-0038
1268	ORGANIC	HEXP	16-021(c)	16-1391	0316-95-0039
1268	ORGANIC	HEXP	16-021(c)	16-1392	0316-95-0040
1268	ORGANIC	HEXP	16-021(c)	16-1393	0316-95-0041
1268	ORGANIC	HEXP	16-021(c)	16-1394	0316-95-0042
1268	ORGANIC	HEXP	16-021(c)	16-1395	0316-95-0043
1268	ORGANIC	SEMI	16-021(c)	16-1379	0316-95-0027
1268	ORGANIC	SEMI	16-021(c)	16-1380	0316-95-0028
1268	ORGANIC	SEMI	16-021(c)	16-1384	0316-95-0032
1268	ORGANIC	SEMI	16-021(c)	16-1390	0316-95-0038
1268	ORGANIC	SEMI	16-021(c)	16-1391	0316-95-0039
1268	ORGANIC	SEMI	16-021(c)	16-1392	0316-95-0040
1268	ORGANIC	SEMI	16-021(c)	16-1393	0316-95-0041
1268	ORGANIC	SEMI	16-021(c)	16-1394	0316-95-0042
1268	ORGANIC	SEMI	16-021(c)	16-1395	0316-95-0043
1269	INORGANIC	METTALCN	16-021(c)	16-1379	0316-95-0027
1269	INORGANIC	METTALCN	16-021(c)	16-1380	0316-95-0028
1269	INORGANIC	METTALCN	16-021(c)	16-1384	0316-95-0032
1269	INORGANIC	METTALCN	16-021(c)	16-1390	0316-95-0038
1269	INORGANIC	METTALCN	16-021(c)	16-1391	0316-95-0039
1269	INORGANIC	METTALCN	16-021(c)	16-1392	0316-95-0040
1269	INORGANIC	METTALCN	16-021(c)	16-1393	0316-95-0041
1269	INORGANIC	METTALCN	16-021(c)	16-1394	0316-95-0042
1269	INORGANIC	METTALCN	16-021(c)	16-1395	0316-95-0043
1270	RAD	TU	16-021(c)	16-1379	0316-95-0027

Attachment M
Crosswalk between Request Numbers & PRS/sample locations

1270	RAD	TU	16-021(c)	16-1380	0316-95-0028
1270	RAD	TU	16-021(c)	16-1384	0316-95-0032
1270	RAD	TU	16-021(c)	16-1390	0316-95-0038
1270	RAD	TU	16-021(c)	16-1391	0316-95-0039
1270	RAD	TU	16-021(c)	16-1392	0316-95-0040
1270	RAD	TU	16-021(c)	16-1393	0316-95-0041
1270	RAD	TU	16-021(c)	16-1394	0316-95-0042
1270	RAD	TU	16-021(c)	16-1395	0316-95-0043

a. METTCLP = TCLP metals; HEXP = high explosives; SEMI = semivolatile organics; VOAGCMS = volatile organics; METTALCN = inorganics and cyanide; TU = total uranium.

Attachment N - Comment 30.a.

Background water chemistry data
(all data from Blake et al. 1995, 1355)

TABLE J-1 MAJOR ELEMENTS OF BACKGROUND SPRINGS

DESCRIPTION	DATE	BORON (ppm)	BROMINE (ppm)	CALCIUM (ppm)	CHLORINE (ppm)	FLUORINE (ppm)	HYDROGEN CARBONATE (ppm)	LITHIUM (ppm)	MAGNESIUM (ppm)	POTASSIUM (ppm)	SODIUM (ppm)	SILICATE (ppm) calc	SULFATE (ppm)	STRONTIUM (ppm)	TOTAL DISSOLVED SOLVENTS (ppm)	CATION SUM	ANION SUM
Apache Spring	4/03/96	0.005	0.01	10.9	7.72	0.04	69.0	<0.01	4.86	4.75	9.77	56.07	5.93	0.10	171.1	1.532	1.498
Cold Spring west cal	6/1/80	0.73	0.06	12	1.9	0.25	53.7	0.03	1.5	3	8	30.00	5.5	0.06	NC	NC	NC
Frijoles Spring #49	5/22/91	<0.01	<0.02	8	14	0.03	39	<0.01	2.98	2.9	6.8	17.00	3.85	0.09	NC	NC	NC
Frijoles Spring #50	5/22/91	<0.01	<0.02	7.9	6.11	0.04	53.6	<0.01	3.71	2.5	7.2	25.00	2.66	0.07	NC	NC	NC
Pine Spring	5/24/91	<0.01	<0.02	10.7	1.47	0.08	61	<0.01	3.55	3.6	6.4	25.00	7.7	0.08	NC	NC	NC
Pine Spring	3/26/95	0.02	<0.4	11	<5	<0.5	NA	0.01	3.6	3	5.1	NC	66	0.09	NC	NC	NC
Pine Spring	10/16/95	<0.1	NA	10	2	<0.2	48	<0.01	3	3	6	NC	<10	0.07	NC	NC	NC
Seven Springs	10/1/79	<0.003	NA	12.3	3.6	0.21	49	0.018	1.54	2.1	7.23	41.00	8.7	0.071	NC	NC	NC
Seven Springs	5/1/83	NA	0.27	11	1.9	0.25	53.7	0.05	1.4	4	8	30.00	5.9	0.05	NC	NC	NC
Seven Springs	5/10/91	<0.02	<0.02	12.9	1.22	0.16	61	<0.01	1.71	2.4	6.3	31.00	3.85	0.06	NC	NC	NC
Seven Springs	4/3/96	0.013	<0.01	12.5	1.85	0.12	59.5	<0.01	1.63	2.13	7.26	31.03	4.03	0.06	121.5	1.148	1.137
Unnamed Cold	7/1/80	<0.01	<0.2	10.6	7.1	0.3	75	0.024	3.4	3.1	9.4	65.00	3.4	0.049	NC	NC	NC
Unnamed Cold	7/1/80	<0.01	<0.2	10.4	7.5	0.35	73	0.024	3.4	3.2	9	69.00	2.4	0.051	NC	NC	NC
Unnamed Spring	5/28/91	<0.01	<0.02	9.1	1.34	0.14	56.1	<0.01	2.44	4.6	7	21.00	5.73	0.05	NC	NC	NC
Unnamed Spring	9/10/93	<0.05	0.02	11.4	4.38	0.34	80.8	0.03	2.9	2.49	16.2	60.10	4.04	0.1	NC	NC	NC
Water Canyon Gallery	8/1/78	<0.05	NA	7	NA	0.12	52	0.02	3.3	1.4	5.8	43.00	NA	0.05	NC	NC	NC
Water Canyon Gallery	8/18/92	<0.05	<0.02	7.2	0.64	0.05	52.8	<0.01	3.05	1.72	6.3	43.70	1.05	0.07	NC	NC	NC
Water Canyon Gallery	5/20/93	<0.01	0.01	6.94	0.69	0.06	44.6	0.01	2.79	1.79	4.9	39.80	2.85	0.07	NC	NC	NC
Water Canyon Gallery	4/03/96	0.004	<0.01	6.18	0.77	0.03	48.9	0.02	3.15	1.75	5.99	44.30	1.20	0.05	113.6	0.900	0.865

[a]NC = Not calculated.

[b]NA = Not analyzed.

TABLEJ-2 MINOR ELEMENTS OF BACKGROUND SPRINGS

DESCRIPTION	DATE	SILVER (ppm)	ALUMINUM (ppm)	ARSENIC (ppm)	BARIUM (ppm)	CADMIUM (ppm)	COBALT (ppm)	CHROMIUM (ppm)	CESIUM (ppm)	COPPER (ppm)	IRON (ppm)	MERCURY (ppm)	IODINE (ppm)	MANGANESE (ppm)	MOLYBDENUM (ppm)	AMMONIUM (ppm)	NICKEL (ppm)	NITRITE (ppm)	NITRATE (ppm)	LEAD (ppm)	PHOSPHATE (ppm)	RUBIDIUM (ppm)	ANTIMONY (ppm)	SELENIUM (ppm)	THIOSULFATE (ppm)	ZINC (ppm)
Apache Spring	4/03/96	<0.0002	0.28	<0.0002	0.07	<0.0002	<0.002	<0.002	<0.002	<0.002	0.10	<0.0002	<0.01	<0.01	<0.002	0.04	<0.002	0.02	1.33	<0.002	0.07	0.010	<0.0001	<0.0001	<0.01	<0.01
Cold Spring west cal	6/1/80	NA	NA	NA	0.02	0.003	NA	NA	NA	NA	0.2	NA	NA	NA	NA	NA	NA	NA	0.19	NA	NA	NA	NA	NA	NA	NA
Frijoles Spring #49	5/22/91	<0.001	1	<0.05	0.06	<0.001	<0.002	<0.002	<0.005	0.003	2.12	<0.1	<0.01	<0.02	<0.002	0.09	<0.002	<0.02	0.3	<0.002	<0.05	0.006	<0.05	<0.1	NA	<0.01
Frijoles Spring #50	5/22/91	<0.001	0.5	<0.05	0.03	<0.001	<0.002	<0.002	<0.005	0.003	1.08	<0.1	<0.01	<0.02	<0.002	0.08	<0.002	<0.02	0.71	<0.002	0.11	0.007	<0.05	<0.1	NA	0.02
Pine Spring	5/24/91	<0.003	1.4	<0.05	0.05	<0.001	<0.002	0.004	0.006	0.004	4.17	<0.1	<0.01	<0.02	<0.002	0.24	<0.002	<0.02	0.04	0.003	<0.05	0.007	<0.05	<0.1	NA	0.07
Pine Spring	3/26/95	<0.01	1	<0.005	0.1	<0.005	<0.01	<0.01	NA	<0.01	0.5	<0.0002	NA	<0.01	<0.01	NA	<0.02	NA	0.2	<0.003	NA	NA	<0.06	<0.005	NA	<0.02
Pine Spring	10/16/95	<0.01	<0.2	<0.01	<0.1	<0.005	<0.01	<0.01	NA	<0.01	<0.1	<0.0002	NA	<0.01	<0.01	NA	<0.02	NA	0.1	<0.003	NA	NA	<0.02	<0.005	NA	<0.02
Seven Springs	10/1/79	<0.03	0.2	NA	0.036	<0.03	<0.06	0.001	NA	<0.04	0.036	NA	NA	0.001	0.001	NA	<0.05	NA	NA	<0.14	NA	NA	NA	NA	NA	<0.01
Seven Springs	5/1/83	NA	0.2	NA	0.02	0.003	NA	NA	NA	NA	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Seven Springs	5/10/91	<0.001	<0.1	<0.05	0.01	<0.001	<0.002	0.011	<0.005	<0.002	0.52	<0.1	<0.01	<0.02	<0.002	0.04	<0.002	<0.02	0.47	<0.002	<0.05	0.02	<0.1	<0.1	NA	0.01
Seven Springs	4/3/96	<0.0002	0.12	0.0004	0.02	<0.0002	<0.002	<0.002	<0.002	0.002	0.02	<0.0002	<0.01	<0.01	<0.002	0.06	<0.002	<0.01	1.16	<0.002	<0.05	0.019	<0.0001	0.0003	<0.01	0.01
Unnamed Cold	7/1/80	<0.03	NA	NA	0.016	<0.001	<0.001	<0.001	NA	<0.001	0.15	NA	NA	0.002	<0.002	NA	<0.002	NA	<0.2	<0.004	<0.2	NA	NA	NA	NA	0.024
Unnamed Cold	7/1/80	<0.03	NA	NA	0.022	<0.001	<0.001	0.004	NA	<0.001	1.19	NA	NA	0.135	<0.002	NA	<0.002	NA	0.7	<0.004	<0.2	NA	NA	NA	NA	0.008
Unnamed Spring	5/28/91	<0.001	3.8	<0.05	0.08	0.001	<0.002	0.004	0.007	0.007	13.4	<0.1	<0.01	<0.02	<0.002	0.38	<0.002	<0.02	0.09	0.005	<0.05	0.01	<0.05	<0.1	NA	0.06
Unnamed Spring	9/10/93	<0.0005	0.6	0.006	0.03	<0.0002	<0.002	0.003	<0.002	0.008	0.44	<0.0002	<0.01	<0.01	<0.002	0.16	<0.002	<0.01	1.62	0.002	<0.02	0.007	<0.002	<0.002	NA	0.1
Water Canyon Gallery	8/1/78	<0.03	NA	NA	<0.12	<0.03	<0.06	<0.03	NA	<0.04	<0.04	NA	NA	<0.02	<0.1	NA	<0.05	NA	NA	<0.14	NA	NA	NA	NA	NA	<0.01
Water Canyon Gallery	8/18/92	<0.001	<0.1	<0.05	0.01	<0.001	<0.002	0.003	<0.002	<0.002	<0.01	0	<0.02	<0.01	0.009	<0.05	<0.002	<0.02	0.48	0.004	<0.05	0.004	<0.1	0	NA	0.02
Water Canyon Gallery	5/20/93	<0.001	0.2	<0.05	0.02	0.001	<0.002	<0.002	<0.002	0.002	0.05	0	<0.01	<0.01	<0.002	<0.02	<0.002	<0.01	0.98	0.005	0.07	0.006	<0.1	0	NA	0.05
Water Canyon Gallery	4/03/96	<0.0002	0.15	0.0004	0.01	<0.0002	<0.002	<0.002	<0.002	<0.002	0.05	<0.0002	<0.01	<0.01	<0.002	0.06	<0.002	0.02	0.91	<0.002	<0.05	0.006	<0.0001	<0.0001	<0.01	<0.01

*NA = Not analyzed.

TABLE J-3 HIGH EXPLOSIVES IN BACKGROUND SPRINGS

DESCRIPTION	DATE	HMX (ppm)	NQ (ppm)	PETN (ppm)	RDX (ppm)	TNT (ppm)
SAL[a]	N/A[b]	1.8	3.7	0.7	6E-04	0.0022
Apache Spring	4/03/96	<0.02	<0.01	<0.05	<0.01	<0.01
Cold Spring west cal	6/1/80	NA[c]	NA	NA	NA	NA
Frijoles Spring #49	5/22/91	NA	NA	NA	NA	NA
Frijoles Spring #50	5/22/91	NA	NA	NA	NA	NA
Pine Spring	5/24/91	NA	NA	NA	NA	NA
Pine Spring	3/26/95	NA	NA	NA	NA	NA
Pine Spring	10/16/95	NA	NA	NA	NA	NA
Seven Springs	10/1/79	NA	NA	NA	NA	NA
Seven Springs	5/1/83	NA	NA	NA	NA	NA
Seven Springs	5/10/91	NA	NA	NA	NA	NA
Seven Springs	4/3/96	<0.02	<0.01	<0.05	<0.01	<0.01
Unnamed Cold	7/1/80	NA	NA	NA	NA	NA
Unnamed Cold	7/1/80	NA	NA	NA	NA	NA
Unnamed Spring	5/28/91	NA	NA	NA	NA	NA
Unnamed Spring	9/10/93	NA	NA	NA	NA	NA
Water Canyon Gallery	8/1/78	NA	NA	NA	NA	NA
Water Canyon Gallery	8/18/92	NA	NA	NA	NA	NA
Water Canyon Gallery	5/20/93	NA	NA	NA	NA	NA
Water Canyon Gallery	4/03/96	<0.02	<0.01	<0.05	<0.01	<0.01

[a]SAL=Screening action level.

[b]N/A= Not applicable.

[c]NA=Not analyzed.

Attachment O - Comment 30.b.

Revised version of figure C-1

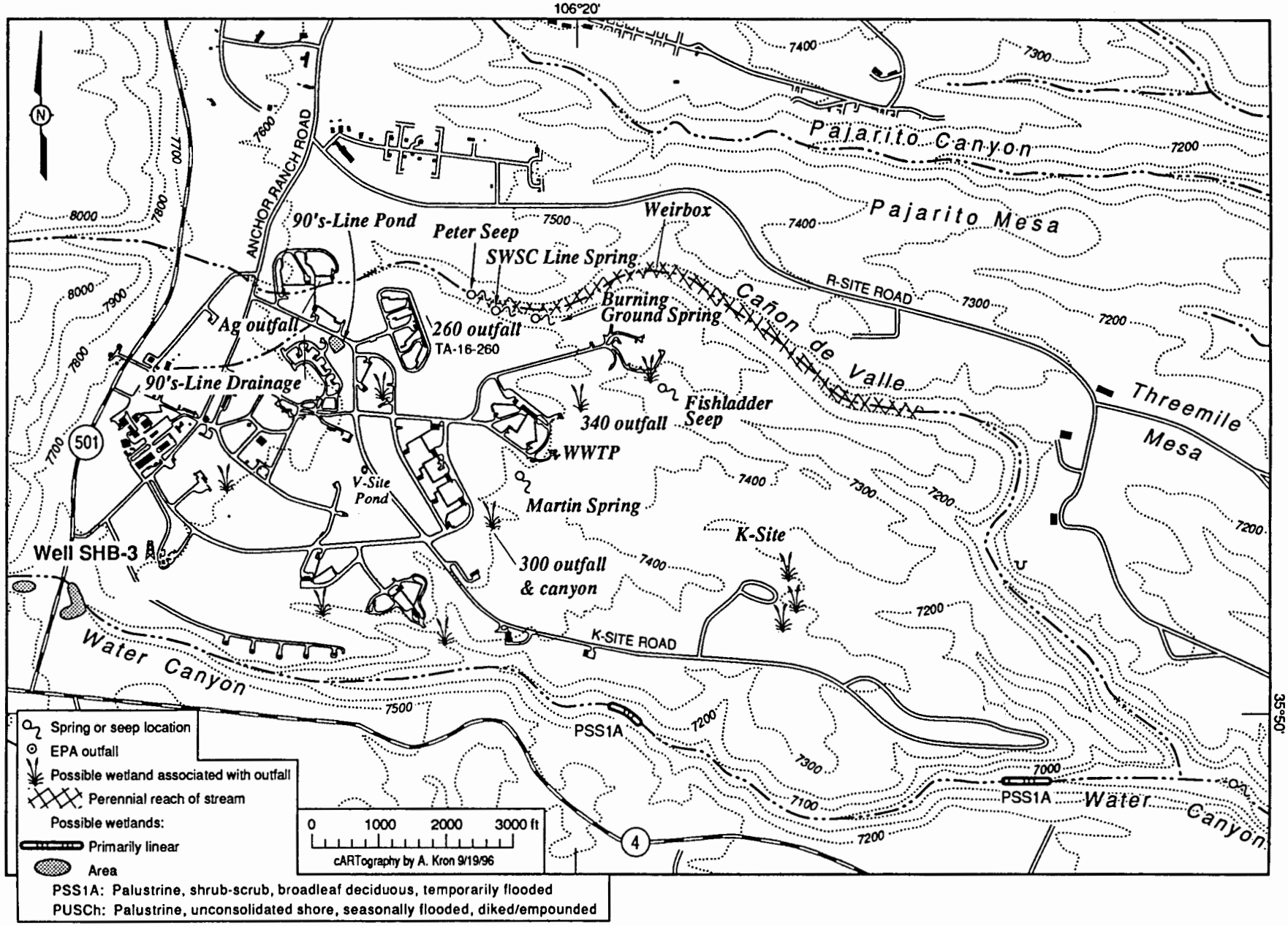


Fig. C-1. Spring, surface water and assorted sampling locations.

Attachment P - Comment 31.a.

Tabulation of SALs and background values for barium, manganese and RDX

Attachment P

DESCRIPTION	DATE	BARIUM (ppm)	MANGANESE (ppm)	RDX (ppm)
MCL[a]	N/A[b]	2	0.05	NC[c]
SAL[d]	N/A	1	1.7	0.00061
Apache Spring	4/03/96	0.07	<0.01	<0.01
Cold Spring west cal	6/1/80	0.02	NA[e]	NA
Frijoles Spring #49	5/22/91	0.06	<0.02	NA
Frijoles Spring #50	5/22/91	0.03	<0.02	NA
Pine Spring	5/24/91	0.05	<0.02	NA
Pine Spring	3/26/95	0.1	<0.01	NA
Pine Spring	10/16/95	<0.1	<0.01	NA
Seven Springs	10/1/79	0.036	0.001	NA
Seven Springs	5/1/83	0.02	NA	NA
Seven Springs	5/10/91	0.01	<0.02	NA
Seven Springs	4/3/96	0.02	<0.01	<0.01
Unnamed Cold	7/1/80	0.016	0.002	NA
Unnamed Cold	7/1/80	0.022	0.135	NA
Unnamed Spring	5/28/91	0.08	<0.02	NA
Unnamed Spring	9/10/93	0.03	<0.01	NA
Water Canyon Gallery	8/1/78	<0.12	<0.02	NA
Water Canyon Gallery	8/18/92	0.01	<0.01	NA
Water Canyon Gallery	5/20/93	0.02	<0.01	NA
Water Canyon Gallery	4/03/96	0.01	<0.01	<0.01

[a]MCL=US EPA maximum contaminant levels (drinking water standards)

[b]N/A=Not applicable

[c]NC=Not calculated

[c]SAL=Screening action level

[d]NA=Not analyzed

State of New Mexico
ENVIRONMENT DEPARTMENT
Hazardous & Radioactive Materials Bureau
2044 Galisteo
P.O. Box 26110
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GARY E. JOHNSON
GOVERNOR

MARK E. WEIDLER
SECRETARY

EDGAR T. THORNTON, III
DEPUTY SECRETARY

Julie

John McCann response

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

January 20, 1998

Mr. Theodore Taylor, Project Manager
Los Alamos Area Office
Department of Energy
528 35th Street
Los Alamos, New Mexico 87544

Mr. John Browne, Director
Los Alamos National Laboratory
P. O. Box 1663, MS A100
Los Alamos, New Mexico 87545

RE: Approval upon Modification
16-003(k) & 16-021(c)
RCRA Facility Investigation Report (EM/ER:96-502) and
Response to Supplemental Information (EM/ER:97-476)
Los Alamos National Laboratory
NM0890010515

Dear Messrs. Taylor and Browne:

The Hazardous and Radioactive Materials Bureau (HRMB) of the New Mexico Environment Department conditionally approves the 16-003(k) and 16-021(c) RCRA Facility Investigation Report (dated September 23, 1996 and referenced by LA-UR-96-3191) and the Response to the Request for Supplemental Information (referenced by EM/ER:97-476) upon modification as detailed in Attachment A.

Within the above-referenced document, the Department of Energy/Los Alamos National Laboratory (DOE/LANL) references the "LANL 30-Year Plan." HRMB requests that this document be submitted under separate cover within 30 calendar days of the date of this letter.

DOE/LANL must submit to HRMB clean insertable replacement pages incorporating the modifications detailed in Attachment A within thirty (30) calendar days of the date of this letter. Upon receipt, HRMB will review the replacement pages with the intent to finalize the document's approval and shall provide DOE/LANL with this approval

4/20 Due Feb 192

documentation. However, should DOE/LANL fail to provide the replacement pages within the required time limit, HRMB will deny the aforementioned document.

Should you have any questions regarding this letter, please contact me or Mr. John Kieling, HRMB's LANL Facility Manager, at (505) 827-1558.

Sincerely,

Benito J. Garcia, Chief
Hazardous and Radioactive Materials Bureau

BJG:kth

cc: T. Baca, LANL EM, MS J591
J. Canepa, LANL EM/ER, MS M992
R. Dinwiddie, NMED RPMP
T. Glatzmaier, LANL DDEES/ER, MS M992
K. Hill, NMED HRMB
M. Johansen, DOE LAAO, MS A316
J. Kieling, NMED HRMB
M. Leavitt, NMED GWQB
H. LeDoux, DOE LAAO, MS A316
D. McInroy, LANL EM/ER, MS M992
D. Neleigh, EPA, 6PD-N
J. Parker, NMED DOE OB
G. Saums, NMED SWQB
J. Vozella, DOE LAAO, MS A316
S. Yanicak, NMED DOE OB, MS J993
File: HSWA LANL 3/1082/16/16-003(k) & 16-021(c)
Track: LANL, Doc date, NA, DOE/LANL, NMED HRMB/Garcia, RE, File

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1998 JAN 26 PM 3:14

ATTACHMENT A
Approval with Modifications
RCRA Facility Investigation Report
16-003(k) & 16-021(c)

MODIFICATIONS TO THE REQUEST FOR SUPPLEMENTAL INFORMATION AND DOE/LANL'S RESPONSE:

8. ***LANL's Response:*** *The reference to McCann et al, 1996 (1300) is no longer valid. The document referenced here, "Screening Assessment Methodology" was an ER Policy Paper under development at the time the 260 Outfall RFI Report was in preparation. This policy paper was never finalized or released as official ER Policy.*

   The appropriate reference for the ER Screening methodology is "Risk-Based Corrective Action Process (Dorries 1997, 1297)." This reference is cited in the latest version of the RFI Report Framework, Section 3.2.4 Risk Based Screening Assessment, page 13; and is included in recent version of LANL RFI Reports.

   Attachment H includes the pertinent sections of the document.

   HRMB Modification: DOE/LANL shall revise this section to include the fact that the *Risk-Based Corrective Action Process* which is referenced in the *RFI Report Framework* requires approval by the Administrative Authority and has not, to date, received said approval.

10b. ***LANL's Response:*** *44 laboratory samples were collected for PRSs 16-003(k) and 16-021(c). Three laboratory field duplicates were collected. This is a rate of 6.8%. At the time of the 1995 TA-16 field campaign, LANL QA documents suggested taking field duplicates at a rate of 5%. The approved RFI work plan stipulated 1 out of 14 (duplicates were not addressed in the NOD) duplicates at PRS 16-003(k) and 16-021(c), which were considered together in one SAP - a rate of 7.1%...*

   How are we supposed to modify your document?

   HRMB Comment: HRMB does not agree with the rate at which field duplicates are obtained. HRMB is in the process of reviewing and providing DOE/LANL comments on its Standard Operating Procedures which govern this QA/QC policy.

17. ***LANL's Response:*** *...This decision is based on the fact that Building TA-16-260 is an active HE machining facility, that will remain an industrial land use according to the LANL 30-Year Plan...*

HRMB Modification: DOE/LANL must properly cite the *LANL 30-Year Plan* and provide the pertinent portions of it as supporting documentation for this RFI Report.

ADDITIONAL MODIFICATIONS: DOE/LANL must revise its evaluation of the risk to human health (Sections 5.x.7) based on the following methodology:

The screening assessment should compare the maximum concentration or activity of each contaminant at the site to a screening action level (SAL), which is a risk-based concentration calculated using a conservative target risk (use EPA Region 6 Human Health Media-Specific Screening Levels).

SALs for carcinogens are calculated based on the lower end of 1E-04 to 1E-06 "risk range" to account for multiple carcinogenic contaminants. SALs for non-carcinogens do not account for chemical mixtures. Therefore, if more than one non-carcinogen is expected at the site, then the non-carcinogenic chemical SAL should be divided by 10. Contaminants can be screened out or eliminated from further evaluation as contaminants of potential concern (COPCs) if maximum detected concentrations or activities of contaminants, in a given medium, are below 1E-06 cancer risk SAL or below 0.1 hazard quotient SAL. Remaining contaminants should be carried through a risk assessment.

Environmental Restoration
University of California
Environmental Restoration Project, MS M992
Los Alamos, New Mexico 87545
505-667-0808/FAX 505-665-4747

U. S. Department of Energy
Los Alamos Area Office, MS A316
Environmental Restoration Program
Los Alamos, New Mexico 87544
505-667-7203/FAX 505-665-4504

Date: February 26, 1998
Refer to: EM/ER:98-056

Mr. Benito Garcia
NMED-HRMB
P.O. Box 26110
Santa Fe, NM 87502

SUBJECT: RESPONSE TO REQUEST FOR MODIFICATIONS OF RFI REPORT FOR TA-16, PRSs 16-003(k) AND 16-021(c) (FORMER OU 1082)

Dear Mr. Garcia:

Enclosed please find the Los Alamos National Laboratory's modifications to the Resource Conservation and Recovery Act Facility Investigation (RFI) Report and subsequent Response to the Request for Supplemental Information for Potential Release Sites 16-003(k) and 16-021(c). These modifications have been completed according to the requests outlined in Attachment A of your letter dated January 20, 1998, with one exception. This exception involves the final request for modification pertaining to the human health screening methodology. In this request, your Bureau indicated that the Environmental Protection Agency (EPA), Region 6 Human Health Media-Specific Screening Levels be used. Based on recent meetings with personnel from your Bureau, it was decided that the Laboratory will continue to use EPA Region 9, Media-Specific Screening Levels until Region 6 has updated their screening levels and published them. The requested modifications to these documents are submitted as insertable replacement pages for insertion to the original documents.

As also requested in your January 20 letter, the Laboratory has submitted a copy of the most recent Site Development Plan for Los Alamos National Laboratory. This document sets forth the "30-Year Plan" for land use at the Laboratory {LANL 1995. "Site Development Plan, Annual Update 1995," Los Alamos National Laboratory Publication LALP-95-113, Los Alamos, New Mexico. (LANL 1995, ER ID Number 52976)}. This document was hand delivered to your office on Monday, February 23, 1998.

Should you have any questions, please contact Roy Michelotti at (505) 665-7444 or Joe Mose at (505) 667-5808.

Sincerely,

Julie A. Canepa, Program Manager
LANL/ER Project

Sincerely,

Theodore J. Taylor, Program Manager
DOE/LAAO

JC/TT/rfr

Enclosures (1) Replacement pages for insertion into the LANL Response to Request for Supplemental Information (EM/ER:97-476)
(2) Replacement pages for insertion into RFI Report (EM/ER:96-502)

Cy (w/ encs.):
D. Griswold, AL-ERD, MS A906
J. Harry, EES-5, MS M992
R. Michelotti, CST-7, MS E525
J. Mose, LAAO, MS A316
D. Neleigh, EPA, R.6, 6PD-N
C. Rodriguez, CIO/ER, MS M769
T. Taylor, LAAO, MS A316
S. Dinwiddie, NMED-HRMB
M. Leavitt, NMED-GWQB
J. Parker, NMED-OB
G. Saums, NMED-SWQB
J. White, ESH-19, MS K490
S. Yanicak, NMED-AIP, MS J993
EM/ER File, MS M992
RPF, MS M707

Information Copy
T. Baca, EM, MS J591
T. George, EM/ER, MS M992
J. Plum, LAAO, MS A316
S. Rae, ESH-18, MS K497
G. Rael, AL-ERD, MS A906
J. Vozella, LAAO, MS A316

ATTACHMENT 1

Replacement pages for insertion into the LANL Response to Request for Supplemental Information

February 26, 1998

Note: Pagination of the original response has been affected by these modifications. Therefore, the full document has been submitted here. Modifications were made to comment number 8, page 3; comment number 10b, page 4; and comment number 17, pages 6–7.

Response to Request for
Supplemental Information for
PRSs 16-021(c) and 16-003(k)

General Addenda and Corrections

1) As requested in the cover letter to this request for supplemental information, LANL will continue to provide HRMB with bi-monthly briefings on the status of the investigations of PRS 16-021(c). LANL will provide more formal written documentation of materials presented in these briefings upon request of HRMB.

2) LANL would like to note that the water SALs discussed in this document, particularly in Appendix C, primarily represent drinking water MCLs. LANL currently compares analytical concentrations to water criteria appropriate for the most likely water use (e.g. wildlife use) rather than comparing to human health levels.

3) The tritium unit values in Table C-6 should all be positive rather than negative.

4) As requested by HRMB in a telecon of September 9, 1997, LANL has identified within this response programmatic issues that have arisen while preparing this request for supplemental information.

NMED Comment 1.a. Section 1.3.2 Pertinent sections of the quality assurance/quality control plan for FY 95 TA-16 field campaign should be provided for reference.

LANL response The pertinent sections of the quality assurance/quality control plan for the FY 95 TA-16 field campaign are provided as Attachment A. Please note that this plan was written by the ICF Kaiser field team for their own use. It has not been edited by a professional editor.

NMED Comment 1.b. Section 1.3.2 LANL should include in the text the frequency at which both field and laboratory QA/QC samples were obtained

LANL response Field QA/QC samples (field duplicates) were collected at a rate of 3 out of 34 laboratory samples at PRS 16-021(c) and 0 out of 10 laboratory samples at 16-003(k) for a total of 3 out of 44 for the two PRSs. Laboratory QA/QC samples such as batch-specific QC samples (blank, matrix spike, duplicates) were obtained at a rate commensurate with LANL Environmental Restoration (ER) laboratory contracts. These contracts are based either on requirements contained in the EPA SW-846 Laboratory (CLP) SOW or guidance provided in the EPA SW-846 procedures. This rate is typically a frequency of one QC sample for each instrumental method, each sample matrix, and/or each analytical batch, whichever is more frequent. Inorganic and radiochemical methods also require the analysis of a laboratory control sample with each analytical batch. Additional non-batch QC requirements for individual instrumental techniques vary widely and cannot be easily or briefly summarized in reports.

NMED Comment 1. c. Section 1.3.2 LANL should add the locations of the QA samples to Figures 5.1.4-1 and 5.2.4-1.

LANL response Locations of the field QA samples, the duplicate samples, have been added to Figure 5.2.4-1 for PRS 16-021(c). No field QA samples were taken at PRS 16-003(k), so figure 5.1.4-1 was not modified. The modified figure 5.2.4-1 is included as Attachment B.

NMED Comment 2. Section 2.3: LANL should replace all references to the "main" aquifer with "regional aquifer".

LANL response On page 9 paragraph 2 the phrase "main" aquifer will be replaced with "regional" aquifer.

NMED Comment 3. Section 2.3.1: LANL should include a figure indicating the barium and boron levels as indicated in the second to last paragraph of this section.

LANL response LANL has included as Attachment C a figure indicating the locations of the barium and boron levels as indicated in the second to last paragraph of this section.

NMED Comment 4.a. LANL should explain any possible relationship between constituents identified in SHB-3 to site-related activities. And if any possible relationship exists, LANL should provide rationale for advancing boreholes to a depth less than the static water level in SHB-3. RPMP is concerned that constituents found in SHB-3 might be related to HE-related activities and that contaminants may be present in the regional aquifer since it has not been definitely constrained.

LANL response LANL believes that a definitive relationship between constituents identified in SHB-3 and site-related activities cannot be made at this time. The following reasoning suggests that such a relationship is unlikely: (1)The constituents lead, phosphate, rubidium, and ammonium have not been extensively used in HE-related activities at TA-16. (2) These constituents are not found at elevated levels in the HE-contaminated springs at TA-16, which suggests that these constituents are not significant HE by-products in water samples known to be HE-contaminated. (3) The levels of these constituents found are low, and may not represent contamination of SHB-3 waters. The background dataset used in these comparisons was small, and based on springs/seeps. These spring/seep data may not be representative of perched/deep groundwater such as that found in SHB-3. Further investigation of this issue will occur when an improved background dataset for groundwater is available.

Although LANL does not believe that a definitive relationship between the observed constituents in SHB-3 and site activities has been proved at this time, LANL is also concerned that constituents from site-related activities could be reaching the perched/regional water table that is present in SHB-3. LANL's rationale for advancing boreholes to a depth less than the static water level in SHB-3 is that our investigations are phased. Moderate-depth (200 ft) boreholes are planned in this RFI Report to investigate shallow perched groundwaters, which discharge as springs at TA-16. Results of these investigations will be used to help locate future, deeper boreholes that intersect the static-water table present in SHB-3. LANL currently has deep boreholes at TA-16 planned in its baseline in future fiscal years (FY 99 and FY 00). In addition, 4 sitewide hydrogeologic studies boreholes to the regional aquifer are planned in and around TA-16 during the next few years; these boreholes will provide additional information on potential TA-16 impacts to the regional aquifer.

NMED comment 4.b. LANL should also clarify if the ground water interval encountered in SHB-3 will also be intercepted during drilling activities as discussed within this document.

LANL response LANL does not believe that the ground water interval encountered at SHB-3, which was at a static water depth of 664 ft during 1992, will be intersected by the 200 ft boreholes that are discussed in this document. As noted in the response to comment 4.a. LANL anticipates drilling boreholes to depths greater than 700 ft during FY 1999 and FY 2000.

NMED comment 4.c. Please present the data, sampling dates, sampling intervals, etc. for SHB-3 and the background spring data to which it was compared.

LANL response Pertinent data are present in Attachment D. SHB-3 data were originally reported by Blake et al (Blake et al. 1995, 1335). Background data were also extracted from the Blake et al. (Blake et al., 1995, 1335) document. LANL recognizes that this background dataset is small, but it was the best available dataset at the time of these comparisons. LANL hopes to repeat these comparisons with larger sample and background datasets in the future.

NMED comment 4.d. Please clarify what is meant by "swab" sample

LANL response A swab sample is merely a water sample that is taken with a device known as a swab sampler. A swab sampler is rod that has rubber cups of slightly larger diameter than the well bore that is deployed on the end of the drillstring. These cups open up during deployment downhole. When the sampler pulls up on the wireline the water samples are trapped and raised to the surface.

NMED comment 5.a. Please define the acronym TATB

LANL response TATB is triaminotrinitrobenzene, an insensitive and highly insoluble HE used in many modern weapon systems.

NMED comment 5.b. Please provide the analytical methods, detection limits, summary of QA/QC documentation for the analyses conducted.

LANL response Attachment E provides the analytical methods, detection limits and summary of QA/QC documentation for the analyses conducted.

NMED comment 6. Section 3.1.2 LANL should provide the pertinent portions of the *Technical Approach to the RFI Report* as reference documentation for this report

LANL response The reference to Knudsen et al, 1996 in Section 3.1.2 Data Verification and Validation is no longer valid. The document referenced here, "Technical Approach to the RFI Report" was an ER Policy Paper under development at the time the 260 Outfall RFI Report was in preparation. This policy paper was never finalized or released as official ER Policy.

The appropriate reference for the ER baseline data validation protocol is now the Quality Assurance Project Plan (QAPP), LANL 1996 (ER Master Reference List No. 1292). This reference is cited in the latest version of the RFI Report Framework, Section 3.1.2 Data Validation, page 10; and is cited in recent versions of LANL RFI Reports.

Attachment F provides the pertinent portions of the QAPP.

NMED comment 7. Section 3.3 LANL should include a compilation of all analytical data, including non-detectable concentrations, in Appendix A of the RFI Report.

LANL response Attachment G (2 EXCEL disks per telecon between T. Glatzmaier and J. Kieling on 10/22/97) provides a compilation of all analytical data, including non-detectable concentrations. This attachment will be included as part of Appendix A.

Provision of all data represents a programmatic issue, which may be addressed in future programmatic discussions.

NMED comment 8. Section 3.4.2 LANL should provide as reference materials attached to this document, the pertinent sections of the *Screening Assessment Methodology* (McCann et al.).

LANL response The reference to McCann et al. 1996 (1300) is no longer valid. The document referenced here, "Screening Assessment Methodology" was an ER Policy Paper under development at the time the 260 Outfall RFI Report was in preparation. This policy paper was never finalized or released as official ER Policy.

The appropriate reference for the ER screening methodology is "Risk-Based Corrective Action Process" (Dorries 1997, 1297). This reference is cited in the latest version of the RFI report framework, subsection 3.2.4 "Risk-Based Screening Assessment," page 13, and is included in recent versions of LANL RFI reports. It should be noted that HRMB has stated in its January 20, 1998, Approval Upon Modification letter that the "Risk-Based Corrective Action Process" cited above, requires approval by the Administrative Authority and that LANL has not, to date, received this approval. Future meetings should be held between HRMB and LANL to discuss which documents are appropriate for approval by the Administrative Authority.

Attachment H includes the pertinent sections of the document

NMED comment 9. Section 3.4.3. LANL should provide in the text of this section further explanation why site-specific human health risk assessments were not performed for 16-003(k) and 16-021(c).

LANL response No site-specific human health risk assessments were performed in this Phase I Report because of the uncertainties in conceptual model development and lacks in data collection to perform a risk assessment at this point and time of the 260 Outfall project. The Phase II Sampling and Analysis Plan presented in Section 5.2.11 of the RFI Report details the plan to collect the data necessary to validate a conceptual model for the site and perform risk assessment evaluations. Therefore, human health risk assessments will be performed in latter stages of the RFI/CMS process for this site.

NMED comment 10a. Section 4.0 LANL should ensure that all QA/QC results reported by the laboratory are present and correct in FIMAD and reported within this document.

LANL response Per discussion in a telecon with Kim Hill (EPA and HRMB) that occurred on September 9, 1997 LANL will provide information on: (1) how LANL handles the QA/QC results in FIMAD; (2) why we handle these data in this way; and (3) indicate where this process is going.

(1) Analytical results for batch-specific QC samples are included in FIMAD. Non batch-specific QC indicators that are measured by the analytical laboratories are not currently reported electronically. Not all of the electronically available data are currently being verified. LANL's current policy is to verify all field data and some (but not all) of the batch QC results by comparing electronic data with hard copy reports. (2) LANL handles batch QC data in this fashion because data verification is an extremely labor intensive process. LANL's current contracts with the analytical laboratories do not require that electronic deliverable are 100% in agreement with hard copy deliverables. Non- batch QC indicators are not hand entered into FIMAD because most would not fit into the current FIMAD formats. (3) These deficiencies will be remedied in upcoming contracts. In addition, the DOE Environmental Management Electronic Data Deliverable Master Specifications (DEEMS), which will guide LANLs new electronic deliverable, will make more of these indicators available electronically.

LANL believes that efficient and effective QA oversight and data validation processes are more critical to the maintenance of data integrity than the capture of all QA/QC information in FIMAD. Currently all LANL data receive at least baseline validation. Data validators have access to all of the QA/QC indicators reported by the analytical laboratories, whether or not they are in FIMAD. Where these indicators demonstrate that the laboratory process may have been out of control, this is indicated to the data user both in the validation reports and in the data validation flags that are recorded in FIMAD.

NMED comment 10b. Section 4.0 LANL should collect field duplicates at a minimum rate of 10%.

LANL response 44 laboratory samples were collected for PRSs 16-003(k) and 16-021(c). Three laboratory field duplicates were collected. This is a rate of 6.8%. At the time of the 1995 TA-16 field campaign, LANL QA documents suggested taking field duplicates at a rate of 5%. The approved RFI work plan stipulated 1 out of 14 (duplicates were not addressed in the NOD) duplicates at PRSs 16-021(c) and 16-003(k), which were considered together in one SAP—a rate of 7.1%.

It should be noted that HRMB has stated in its January 20, 1998, Approval Upon Modification letter that it does not agree with the rate at which field duplicates are obtained. HRMB has also stated that it is in the process of reviewing and providing DOE/LANL comments on its Standard Operating Procedures that govern this QA/QC policy.

This represents a programmatic issue, one which may be addressed in future programmatic discussions.

NMED comment 11. Section 4.3 LANL should clarify at each mentioning that "Table B-2" is located within Appendix B.

LANL response LANL will convert each citation of "Table B-2" to "Table B-2, Appendix B".

NMED comment 12. Section 5.0 For additional clarification, LANL could include a figure which references the analytical data (Appendix A - see Comment 7) and indicates the locations where contaminant concentrations were below SALs.

LANL response: Per discussion in a telecon with Kim Hill (EPA and HRMB) that occurred on September 9, 1997 1) LANL notes that the requested information is available on existing figures (e.g. Figure 5.2.4-1); 2) LANL will note in section 5.0 that analytical suites and data are available in Appendix A.

NMED comment 13. Section 5.1.3 Please include the adjective "sump" in the titles of Tables 5.1.3-1, 2 and 3

LANL response LANL will replace "water" with "sump water" in the titles of Table 5.1.3-1, 5.1.3-2. 5.1.3-3.

NMED comment 14.a. Section 5.1.4 LANL should include pertinent information such as a tabulated summary of Photo Ionization Detector/Flame Ionization Detector (PID/FID) readings, HE spot test and sodium iodide results in the RFI report.

LANL response Pertinent field information such as a tabulated summary of PID/FID readings, HE spot test, and sodium iodide detector results is provided in Attachment I, which is extracted from the Post Field Ops Report for the FY 95 TA-16 field campaign.

NMED comment 14.b. Section 5.1.4 Please provide an explanation of "Request Numbers" within the text of the RFI report.

LANL response LANL will add the following footnote to Tables 5.1.4-2 and 5.2.4-1: "All samples with the same request number were analyzed together in a single batch at an analytical laboratory"

NMED comment 14.c. Section 5.1.4 LANL should provide well construction diagrams for those boreholes and wells installed.

LANL response Well construction drawings are provided as Attachment J. These well construction drawing s represent typical alluvial and deep wells that are being implemented as part of the TA-16-260 field campaign. Well construction is guided by LANL-ER-SOP 5.01 "Monitor Well Construction".

NMED comment 15 Section 5.1.6 LANL should detail which SVOC compounds were undetected in sample 031-95-0051 and reference a figure indicating the sample's location.

LANL response The list of undetected SVOCs is provided in Table 15-1

Table 15-1 - Semivolatile Organic Compound (SVOC) Suite

Acenaphthene	Chrysene	
Acenaphthylene	Dibenzo(a,h)anthracene	Isophorone
Aniline	Dibenzofuran	2-Methylphenol
Anthracene	1,2-Dichlorobenzene	4-Methylphenol
Azobenzene	1,3-Dichlorobenzene	Naphthalene
Benzo(a)anthracene	1,4-Dichlorobenzene	2-Nitroaniline
Benzo(b)fluoranthene	3,3'-Dichlorobenzidine	3-Nitroaniline
Benzo(k)fluoranthene	2,4-Dichlorophenol	4-Nitroaniline

Benzo(g,h,i)perylene	Diethylphthalate	Nitrobenzene
Benzo(a)pyrene	Dimethylphthalate	2-Nitrophenol
Benzoic acid	Di-n-butylphthalate	4-Nitrophenol
Benzyl alcohol	Di-n-octylphthalate	N-Nitrosodimethylamine
Bis(2-chloroethoxy)methane	2,4-Dimethylphenol	N-Nitrosodiphenylamine
Bis(2-chloroethyl)ether	2,4-Dinitrophenol	N-Nitroso-di-n-propylamine
Bis(2-chloroisopropyl)ether	4,6-Dinitro-2-methylphenol	Pentachlorophenol
Bis(2-ethylhexyl)phthalate	2,4-Dinitrotoluene	Phenanthrene
4-Bromophenylphenyl ether	2,6-Dinitrotoluene	Phenol
Butylbenzylphthalate	Fluoranthene	Pyrene
Carbazole	Fluorene	Pyridine
4-Chloroaniline	Hexachlorobenzene	1,2,4-Trichlorobenzene
4-Chloro-3-methylphenol	Hexachlorobutadiene	2,4,5-Trichlorophenol
2-Chloronaphthalene	Hexachlorocyclopentadiene	2,4,6-Trichlorophenol
2-Chlorophenol	Hexachloroethane	
4-Chlorophenylphenyl ether	Indeno(1,2,3-cd)pyrene	

Note that these analytes are tabulated in Table A-4, Appendix A.

In the second sentence of Section 5.1.6 replace "031-95-0051" with "031-95-0051 (Figure 5.1.4-1)".

NMED comment 16 Section 5.1.7 LANL should clarify if any potential radiological contaminants other than uranium exist at these PRSs.

LANL response Following the last paragraph in Section 5.1.7.1, insert the following sentences: "Interviews with several site workers suggest that the only radionuclide used in TA-16-260 was uranium. These workers suggested that: (1) HE parts that were glued to depleted uranium had occasionally been machined in TA-16-260 (Jim Griffin, personal communication 1992); and (2) other radionuclides, particularly fissile radionuclides, were kept far from HE that was being processed because of the potential safety hazards of an inadvertent detonation in the presence of radionuclides."

NMED comment 17 Section 5.1.7.1 LANL should include the evaluation of lead in the Multiple Chemical Evaluation (Table 5.1.7-1). Section 3.4 indicates that the PRSs will be evaluated assuming a residential risk scenario; the risk posed by lead to children should, therefore, be included in the evaluation.

LANL response LANL agrees that lead should be included in the MCE evaluation for this PRS. It should be noted that current LANL ER Project guidance requires lead to be included in the MCE. This guidance was not in place during FY 96 when this report was generated. The revised calculation (Table 5.1.7.1 revised - below) reflects the addition of lead to the MCE calculation. With the addition of lead, the sum of the maximum concentrations detected normalized to SALs is 1.5, indicating the potential for adverse effects due to exposure to this grouping. Therefore, those contaminants with a concentration normalized to SAL greater than 0.1 will be carried forward as COPCs. These contaminants include barium, copper, lead, nickel and TNB. The presence of these COPCs will be factored into the planning for the VCA proposed for this PRS as described in Section 5.1.10 of the RFI Report.

TABLE 5.1.7.1 Revised
MCE FOR NONCARCINOGENIC EFFECTS AT PRS 16-003(k)

CONTAMINANT	MAXIMUM SOIL CONCENTRATION (mg/kg)	SOIL SAL (mg/kg)	CONCENTRATION NORMALIZED TO SAL
Barium	2030	5300	0.4
Cobalt	38.5	4600	0.0
Copper	317	2800	0.1
Lead	316	400	0.8
Nickel	103	1500	0.1
Silver	3.7	383	0.0
Zinc	200	23000	0.0
HMX	3.84	3300	0.0
TNB	0.272	3.3	0.1
Benzoic Acid	0.056	100000	0.0
Diethylphthalate	0.48	52000	0.0
Fluoranthene	0.046	2600	0.0
Pyrene	0.04	2000	0.0
TOTAL			**1.5**

LANL does not agree with the statement expressed in this comment "Section 3.4 indicates that the PRSs will be evaluated assuming a residential risk scenario; the risk posed by lead to children should, therefore, be included in the evaluation." The intention of Section 3.4 is to describe the methodology for performing risk assessments, not to dictate the land use decisions to be made for individual PRSs. The methodology presented in Section 3.4 does describe the screening process used, which incorporates the use of SALs based on a residential exposure scenario. However, the SAL comparison dictates the need for further evaluation at a given site, and the subsequent development of COPCs. LANL proposes to evaluate the 260 Outfall PRSs with an industrial land use scenario. This decision is based on the fact that Building TA-16-260 is an active HE machining facility, which will remain in industrial land use according to the LANL 30-Year Plan, and therefore, will not be released to the public (Los Alamos National Laboratory 1995. "Site Development Plan, Annual Update 1995," Los Alamos National Laboratory Publication LALP-95-113, Los Alamos, New Mexico. **(LANL 1995, ER ID No. 52976)**. Access to the 260 Outfall area is very restricted due to security clearance and safety issues. Therefore, appropriate exposure modeling (to include lead) during planning for, and conducting of, the VCA for this PRS will be based on an industrial scenario with adult receptors. LANL recognizes that a risk evaluation for a residential scenario may be performed for comparative purposes, but the results from such an analysis will not be the primary decision focus for this particular site.

NMED comment 18 Section 5.1.10 Since no ecological risk analysis was performed, LANL should provide an errata sheet indicating the following correction to the third sentence: No constituents were found above SALs and MCE calculations indicate low probability of impact to <u>human</u> receptors due to multiple constituent effects.

LANL response LANL will correct the indicated sentence to read: "No constituents were found above SALs and MCE calculations indicate low probability of impact to human receptors due to multiple constituent effects." Per discussion in a telecon with Kim Hill (EPA and HRMB) that occurred on September 9, 1997 LANL will not provide an errata sheet at this time.

NMED comment 19 Section 5.2.2 A schematic diagram of the drainage channel and dam would be useful in visualizing the suitability of the proposed Best Management Practices.

LANL response A schematic diagram of the drainage channel and dam, also showing locations of the implemented Best Management Practices, is included as Attachment K.

NMED comment 20 Section 5.2.7.1 LANL should include the evaluation of lead in the Multiple Chemical Evaluation (Table 5.2.7-1). Section 3.4 indicates that the PRSs will be evaluated assuming a residential risk scenario; the risk posed by lead to children should, therefore, be included in the evaluation.

LANL response Please refer to the LANL response to NMED Comment 17 above. Table 5.2.7.1-1 revised (below) reflects the addition of lead to the MCE calculation. With the addition of lead, the sum of the maximum concentrations detected normalized to SALs is 0.8, indicating a low potential for adverse effects due to exposure to this grouping.

TABLE 5.2.7.1-1 Revised
MCE FOR NONCARCINOGENIC EFFECTS AT PRS 16-021(c)

CONTAMINANT	MAXIMUM SOIL CONCENTRATION (mg/kg)	SOIL SAL (mg/kg)	CONCENTRATION NORMALIZED TO SAL
Copper	40.5	2800	0.01
Lead	107	400	0.27
Nickel	37.3	1500	0.02
Silver	4.1	383	0.01
Vanadium	55.7	540	0.10
Zinc	226	23000	0.01
1,3-Dinitrobenzene	2.04	6.5	0.31
Nitrobenzene	1.2	33	0.04
3-Nitrotoluene	2.12	650	0.00
Benzoic Acid	0.43	100000	0.00
Di-n-butylphthalate	0.054	6500	0.00
Pyrene	0.071	2000	0.00
Acetone	0.067	2000	0.00
1,2-Dichlorobenzene	0.007	2300	0.00
1,2,4-Trimethylbenzene	0.052	8	0.01
1,1,1-Trichloroethane	0.014	3000	0.00
TOTAL			0.79

It is very important to note that this PRS is being evaluated with the formal RFI/CMS process. The first step in this process, the Phase II Sampling and Analysis Plan proposed for this PRS in Section 5.2.11 of the RFI Report, requires the collection of data for full suite analysis that includes the analysis for lead and other potential contaminants such as 1,3-dinitrobenzene and chromium. Therefore, the MCE and screening decision for this PRS at this point of the process is essentially moot, and the reader is referred to the Sampling and Analysis Plan proposed. Again, LANL requires the clarification of the land use and risk assessment issues for this PRS addressed in our response to NMED Comment 17 above.

NMED comment 21.a. Section 5.2.7.2 The normalized concentrations of lead (0.145) and 1,3-dinitrobenzene (0.31) are greater than 0.1 in the MCE for noncarcinogenic effects (Table 5.2.7.1-1). LANL should carry forward these constituents, along with those that exceed SALs, into the Baseline Risk Assessment that is planned during the CMS/CMI process.

LANL response LANL will carry these constituents (lead and dinitrobenzene) forward into the Baseline Risk Assessment that is planned during the CMS/CMI process. Per discussion in a telecon with Kim Hill (EPA and HRMB) that occurred on September 9, 1997, note that this is contrary to current LANL programmatic guidance for MCEs.

This represents a programmatic issue, which may be addressed in future programmatic discussions.

NMED comment 21.b. Section 5.2.7.2 The normalized concentration of chromium is 0.55 and is the driver for the MCE for carcinogenic effects (Table 5.2.7.1-2). LANL should carry forward these constituents, along with those that exceed SALs, into the Baseline Risk Assessment that is planned during the CMS/CMI process.

LANL response LANL will carry chromium forward into the Baseline Risk Assessment that is planned during the CMS/CMI process. Per discussion in a telecon with Kim Hill (EPA and HRMB) that occurred on September 9, 1997, note that this is contrary to current LANL programmatic guidance for MCEs.

This represents a programmatic issue, which may be addressed in future programmatic discussions.

NMED comment 22.a. Section 5.2.9 Please clarify within the text of the RFI report, the intent or purpose of presenting Table 5.2.9-1.

LANL response At the end of the first paragraph of Section 5.2.9 LANL will insert the following text: "For each COPC identified during the screening assessment, Table 5.2.9-1 indicates whether the contaminant is present at levels less than SALs in the outermost laboratory samples on a bounding traverse at a specific distance downgradient from the TA-16-260 outfall. Contaminants present at levels less than SALs are bounded laterally relative to SALs."

NMED comment 22.b. Section 5.2.9 LANL should present the traverses relative to EPA Region 9 residential PRGs in addition to the industrial PRGs.

LANL response The traverses relative to SALs are equivalent to traverses relative to EPA Region 9 PRGs. LANL would like to clarify that the traverses shown in Figure 5.2.9-1 and the status of bounding outlined in Table 5.2.9-1 are presented relative to SALs. The text as written in not clear on this point. LANL will replace the sentence "These traverses are bounded relative to EPA Region 9 industrial PRGs" with "Although these traverses are not bounded relative to SALs (EPA Region 9 residential PRGs), they are bounded relative to EPA Region 9 PRGs for industrial soil." The industrial PRG bounding traverses are not shown.

NMED comment 22.c. Section 5.2.9 LANL should include lead, chromium and 1,3-dinitrobenzene in Table 5.2.9-1.

LANL response Below is an addition to Table 5.2.9-1 that includes lead, chromium and 1,3 dinitrobenzene"

ADDITION TO TABLE 5.2.9-1
STATUS OF LATERAL BOUNDING FOR PRS 16-021(c)

COPC	OUTFALL	100 FT	200 FT	300 FT	400 FT	500 FT	600 FT
lead	Yes	Yes	Yes	Yes	Yes	Yes	Yes
chromium	Yes	Yes	Yes	Yes	Yes	Yes	Yes
1,3 DNB	Yes	Yes	Yes	Yes	Yes	Yes	Yes

NMED comment 23. Section 5.2.11.1 LANL should state that concentrations are "greater" not "larger".

LANL response In the last sentence of the first paragraph of Section 5.2.11-1 LANL will convert "greater" to "larger".

NMED comment 24. Section 5.2.11.2.1 Adding the pond and dam to Figure 5.2.11.2.1-1 would aid in visualizing the proposed activities.

LANL response A modified version of Figure 5.2.11.2.1-1 is included as Attachment L. This modified figure schematically shows the locations of the pond and dam relative to the sampling localities.

NMED comment 25.a. Section 5.2.11.2.3 LANL must ensure that representative and confirmatory sampling for HE will occur. The HE screening kit has a detection limit of 100 ppm, whereas the SAL for HE is 15 ppm.

LANL response All locations where HE spot test results are negative are also being screened using the RDX D-Tech immunoassay kit, which has a detection limit of less-than 1 ppm. In addition, LANL has taken additional laboratory samples in the boreholes drilled thus far during the FY 1997 field campaign, to address concerns with the D-Tech immunoassay kits that were expressed in discussions with NMED.

NMED comment 25.b. Section 5.2.11.2.3 LANL should also consult NMED DOE OB in the re-siting of boreholes to the location of geophysical anomalies.

LANL response Thus far, LANL has discussed re-siting of boreholes with HRMB representatives. These discussions occurred in meetings on April 15, 1997 and October 9, 1997 and were subsequently communicated in writing to HRMB. In the future, LANL will consult with either NMED DOE OB or NMED HRMB prior to re-siting boreholes.

NMED comment 25.c. Section 5.2.11.2.3 LANL should also present the sampling locations, depths, etc. provided in the text (pages 67 and 68) as a table for clarification.

LANL response These sample locations, depths, etc. as outlined in this SAP are provided in Table 25.c.-1 (below). Note that these locations and sampling depths have been modified following discussions with HRMB during April and October of 1997. Note also that additional laboratory samples were taken in most of these boreholes.

Table 25.c.-1

Borehole	Location[a]	Proposed total depth	Screening depths[b]	Lab sample depths
1	75 ft -center	First clean screening interval	Every 5 ft.	1) 0-5 ft 2) total depth
2	75 ft - north	At least 70 ft	Every 5 ft.	1) 0-5 ft 2) total depth
3	75 ft - south	At least 70 ft	Every 5 ft.	1) 0-5 ft 2) total depth
4	100 ft -center	First clean screening interval	Every 5 ft.	1) 0-5 ft 2) total depth
5	320 ft -center	First clean screening interval	Every 5 ft.	1) 0-5 ft 2) total depth
6	320 ft -north	At least 5 ft deeper than hole 5	Every 5 ft.	1) 0-5 ft 2) total depth
7	320 ft - south	At least 5 ft deeper than hole 5	Every 5 ft.	1) 0-5 ft 2) total depth
8	450 ft - north central	First clean screening interval	Every 5 ft.	1) surface 2) 0-5 ft 3) total depth
9	450 ft - south central	First clean screening interval	Every 5 ft.	1) surface 2) 0-5 ft 3) total depth
10	450 ft - north	At least 70 ft	Every 5 ft.	1) 0-5 ft

				2) total depth
11	450 ft - south	At least 70 ft	Every 5 ft.	1) 0-5 ft 2) total depth
12 (optional)	75 ft -north contingent	At least 70 ft	Every 5 ft.	1) 0-5 ft 2) total depth
13 (optional)	75 ft - south contingent	At least 70 ft	Every 5 ft.	1) 0-5 ft 2) total depth

a. All locations are measured downgradient from the outfall. Locations will be biased based on geophysical investigations.
b. Additional screening samples will be located in fractured zones or wet areas.

NMED comment 25.d. Section 5.2.11.2.3 LANL should also provide well construction diagrams in RFI Workplans to obtain prior regulatory approval.

LANL response Well construction diagrams are included as part of Attachment J.

NMED comment 26.a. Section 5.2.11.2.5 After one year of quarterly sampling (for HE, VOCs, Inorganics and anions), LANL should evaluate the data obtained from the alluvial wells and discuss the results with the Administrative Authority to determine if continued sampling would enhance the investigation.

LANL response After one year of quarterly sampling (for HE, VOCs, Inorganics and anions), LANL will evaluate the data obtained from the alluvial wells and discuss the results with the Administrative Authority to determine if continued sampling would enhance the investigation. LANL anticipates that the alluvial wells will be completed and developed by December 1997, thus these discussions will be tentatively scheduled for December 1998.

NMED comment 26.b. Section 5.2.11.2.3 Please clarify which of the 2 well/borehole locations are accessible and tentatively accessible and discuss what will occur if a borehole is found to be completely inaccessible.

LANL response The westernmost alluvial well location and the fourth-from-the-west (see Figure 5.2.11.2.1-2) near MDA-P are easily accessible. The other three are potentially less accessible. LANL currently anticipates being able to access all five locations using available drilling technology. If a borehole location is completely inaccessible LANL will consult with NMED DOE OB and /or NMED HRMB about alternative borehole locations.

NMED comment 27. Appendix A, Analytical Suites: See Comment 7.

LANL response Attachment G provides a compilation of all analytical data, including non-detectable concentrations. This attachment will be included as part of Appendix A

NMED comment 28. Appendix B, Table B-1 A crosswalk between request number and PRS/sample location would be extremely useful.

LANL response A crosswalk between request numbers and PRS/sample locations is provided as Attachment M.

Provision of this information is a programmatic issue, which may be addressed in future programmatic discussions.

NMED comment 29 Appendix C, Section 1 LANL should perform or otherwise include a comparison of water balances for each of the potentially affected springs and seeps included in Table C-1.

LANL response Per discussion in a telecon with Kim Hill (EPA and HRMB) that occurred on September 9, 1997 note that the cation sum/anion sum balance that is requested is available in Table C-8

NMED comment 30.a. Appendix C, Section 2. LANL should clearly indicate the names and locations of all background springs (p. C-2, first paragraph) and provide a summary of the background water chemistry data.

LANL response LANL will replace the following sentence: "Two springs, Burning Ground and SWSC Line, appear to issue from Tshirege Subunit 3, and one spring, Martin Spring, appears to issue from Tshirege Subunit 4" with the following text "Three springs and two seeps have been identified at TA-16. Burning Ground spring, SWSC Line spring, and Martin spring all appear to issue from near the Tshirege Subunit 3/4 contact. The former two issue from the south wall of Canon de Valle northeast of TA-16-260. Martin spring discharges roughly 3000 ft southeast of TA-16-260. Two intermittent seeps, Peter Seep and Fishladder Seep, represent the alluvial discharge of water in Canon de Valle west of the intersection of PRS 16-021(c) with Canon de Valle and of water in a tributary to Canon de Valle downgradient from the TA-16-340 outfall, respectively." Current elevation data suggests that all three springs issue from very near the unit 3/4 contact.

The background water chemistry data is included as Attachment N.

NMED comment 30.b. Appendix C, Section 2. Figure C-1 should be revised to clearly indicate the sampling locations more so than NPDES outfalls.

LANL response A revised version of Figure C-1 is included as Attachment O. NPDES outfall designations have been removed and sampling locations have been more clearly delineated.

NMED comment 30.c. Appendix C, Section 2. LANL should include tritium and oxygen-18 in Table C-2.

LANL response Table 30.c.-1 (below) presents the requested information for tritium and oxygen isotopes. Note that the analytical precision of the stable isotope analyses (in per mil), rather than a detection limit, is an appropriate measure of the analytical sensitivity of this technique.

TABLE 30.c.-1
METHODS OF CHEMICAL ANALYSIS AND DETECTION LIMITS FOR WATER SAMPLES

ANALYTE	METHOD	DETECTION LIMIT
Tritium	scintillation counting	0.1 Tritium units (est.)
Oxygen isotopes	stable isotope mass spectrometer	analytical precision of .1 per mil

NMED comment 31.a. Appendix C, Section 3.0 LANL should provide a tabulation of the SALs and background concentrations for those analytes presented in paragraph 3, page C—6, Table C-3 and paragraph 3, page C-13.

LANL response Per discussion in a telecon with Kim Hill (EPA and HRMB) that occurred on September 9, 1997 LANL will provide this information on those analytes in paragraph 4 on page C-6. The analytes discussed in this paragraph are barium, manganese and RDX. These data are provided in Attachment P.

NMED comment 31.b. Appendix C, Section 3.0 LANL should define the acronym "NQ" in paragraph 3, page C-13.

LANL response NQ is nitroguanadine, a liquid HE used occasionally at TA-16.

References

Blake, W.D., F. Goff, A.I. Adams, and D. Counce, May 1995. "Environmental Geochemistry for Surface and Subsurface Waters in the Pajarito Plateau and Outlying Areas, New Mexico," Los Alamos National Laboratory Report LA-12912-MS, UC 903, Los Alamos, New Mexico. (**Blake et al. 1995, 1355**)

ATTACHMENT 2

Replacement pages for insertion into
RCRA Facility Investigation Report (EM/ER:96-502)

February 26, 1998

TABLE 5.1.6-2

PRS 16-003(k) SOIL CONCENTRATIONS FOR SEMIVOLATILE ORGANIC ANALYTES WITH VALUES GREATER THAN THE REPORTING LIMIT[a]

SAMPLE ID	DEPTH (ft)	BENZOIC ACID (mg/kg)	DIETHYLPHTHALATE (mg/kg)	FLUORANTHENE (mg/kg)	2-METHYLNAPHTHALENE (mg/kg)	PYRENE (mg/kg)
SAL	N/A[b]	100 000	52 000	2 600	NC[c]	2 000
EQL	N/A	3.3	0.33	0.33	0.33	0.33
0316-95-0049	0–1	3.8 (U)[d]	0.08 (J)[e]	0.38 (U)	0.38 (U)	0.38 (U)
0316-95-0051	1–2	7.4 (U)	0.74 (U)	0.74 (U)	0.26 (J)	0.74 (U)
0316-95-0052	2.5–3.5	3.7 (U)	0.48	0.37 (U)	0.37 (U)	0.37 (U)
0316-95-0053	1.5–2.3	0.056 (J)	0.35 (U)	0.35 (U)	0.35 (U)	0.35 (U)
0316-95-0056	5–6	3.8 (U)	0.099 (J)	0.046 (J)	0.38 (U)	0.04 (J)

[a] Analytes greater than EQLs enclosed in double lines.
[b] N/A = Not applicable.
[c] NC = Not calculated.
[d] U = The analyte was not positively identified in the sample and the associated valued is the sample specific EQL/EDL.
[e] J = The analyte was positively identified and the associated numerical value is more uncertain than would normally be expected for that analyte.

TABLE 5.1.6-3

PRS 16-003(k) SOIL CONCENTRATIONS FOR VOLATILE ORGANIC ANALYTES WITH VALUES GREATER THAN THE REPORTING LIMIT

SAMPLE ID	DEPTH (ft)	METHYLENE CHLORIDE (mg/kg)
SAL	N/A[a]	11
EQL	N/A	0.05
0316-95-0049	0–1	0.003 (J)[b]
0316-95-0050	3.5–4.5	0.004 (J)

[a] N/A = Not applicable.
[b] J = The analyte was positively identified and the associated numerical value is more uncertain than would normally be expected for that analyte.

5.1.7 Human Health

5.1.7.1 Screening Assessment

No constituents were detected at levels greater than SALs at PRS 16-003(k). COPCs are identified when the maximum detected concentrations in soil are greater than the carcinogenic soil SAL, or when the noncarcinogenic concentration normalized to SAL is greater than 0.1.

Inorganic constituents detected at this PRS are summarized in Table 5.1.7-1. Inorganic COPCs identified include barium and copper. These constituents will be evaluated during the VCA activities proposed for this PRS as described in Section 5.1.10.

TABLE 5.1.7-1

MCE FOR NONCARCINOGENIC EFFECTS AT PRS 16-003(k)

CONTAMINANT	MAXIMUM SOIL CONCENTRATION (mg/kg)	SOIL SAL (mg/kg)	CONCENTRATION NORMALIZED TO SAL
Barium	2 030	5 300	0.38
Cobalt	38.5	4 600	0.008
Copper	317	2 800	0.11
Lead	17	400	0.043
Nickel	103	1 500	0.069
Silver	3.7	383	0.009
Zinc	200	23 000	0.008
HMX	3.84	3 300	0.001
TNB	0.272	3.3	0.08
Benzoic acid	0.056	100 000	0.0000006
Diethylphthalate	0.48	52 000	0.000009
Fluoranthene	0.046	2 600	0.00002
Pyrene	0.04	2 000	0.00002

Carcinogenic contaminants greater than LANL background UTLs were submitted for an MCE for carcinogenic effects. The sum of the maxima for the carcinogenic group is 0.61, which is below the target value of 1. This result indicates a low potential for adverse effects due to exposure to carcinogens (Table 5.1.7-2).

5.1.10 Conclusions and Recommendations

PRS 16-003(k) is recommended for VCA associated with CMS/CMI at PRS 16-021(c) (see Subsection 5.2). No large-scale release of constituents to the environment has occurred at PRS 16-003(k) at four locations, two sumps, and two drain line leak points, identified as high probability locations for such a release. No constituents were found above SALs and MCE calculations indicate low probability of impact to receptors due to multiple constituent effects. Full characterization of potential releases within this unit has not occurred because characterization of active sumps, drain lines, and troughs is logistically difficult. The vitrified-clay pipe and troughs can now be characterized because they are currently scheduled to be abandoned as active units during fall 1996. The most cost-effective time to complete such characterization is during VCA accompanying CMI at PRS 16-021(c), when heavy equipment will be deployed. LANL proposes that: 1) the drain lines and troughs be removed as a VCA, 2) soil beneath these structures be further characterized at that time, 3) if characterization data indicate that constituents are present at levels that represent a risk to human health and the environment, the soils be removed and treated concurrently with soils undergoing remediation at PRS 16-021(c), and 4) characterization adequate to support NFA beneath the active sumps occur at that time. Such characterization beneath the sumps will be accomplished using heavy equipment. Characterization via angled drilling is not allowed at TA-16 and characterization using vertical boreholes is not fully effective. A VCA plan describing these activities in detail will be provided along with the CMS report.

5.2 PRS 16-021(c)

PRS 16-021(c) is the outfall area for HE machining building TA-16-260. The outfall receives HE wastewater discharge from the 13 HE sumps that constitute PRS 16-003(k), described in Subsection 5.1 of this report. The outfall is currently active, but is currently scheduled to be deactivated during fall 1996. The outfall is permitted as EPA 05A056. Because the extent of HE contamination is not defined with certainty, the PRS is recommended for Phase II sampling to support the CMS/CMI process. The level of contamination and the presence of HE constituents in surface waters and groundwater, suggest that the CMS/CMI process is appropriate for PRS 16-021(c).

5.2.1 History

PRS 16-021(c) is discussed in work plan, Subsection 5.2 (LANL 1993, 1094). PRS 16-021(c) has received HE wastewater since construction of TA-16-260 in 1951. As described in Subsection 5.1, TA-16-260 is an industrial-scale HE machining building. HE in the drainage

TABLE 5.1.7-2

MCE FOR CARCINOGENIC EFFECTS AT PRS 16-003(k)

CONTAMINANT	MAXIMUM SOIL CONCENTRATION (mg/kg)	SOIL SAL (mg/kg)	CONCENTRATION NORMALIZED TO SAL
Chromium	116	210	0.55
TNT	0.911	15	0.06
Methylene chloride	0.004	11	0.004
Total			0.61

Only a single radionuclide, uranium, was found at PRS 16-003(k), so no MCE was performed for this constituent.

5.1.7.2 Risk Assessment

No risk assessment was performed at this PRS.

5.1.8 Preliminary Ecological Assessment

In accordance with conversations between LANL ER Project personnel, DOE/Los Alamos Area Office (LAAO), and the regulators, discussion of ecological risk assessment methodology will be deferred until the Ecological Exposure Unit (Ecozone) methodology that is being developed by LANL in conjunction with EPA Region 6 and the NMED has been approved by the regulators.

5.1.9 Extent of Contamination

Although inorganic constituents were identified above UTL values at this PRS, and organic constituents were measured above EQL values, only two risk-based COPCs were identified in Subsection 5.1.7.1 above, barium and copper. As described in Subsection 5.1.4, the sampling activities were biased toward areas where residual contamination was expected (highly used sumps and leak points in the troughs).

Although the extent of contamination cannot be defined with certainty based on the data for these sampling locations, additional sampling for this PRS is not proposed at this time. Rather, full characterization of the extent of contamination at this PRS will be performed during the VCA activities that are described below.

TABLE 5.2.6-3

PRS 16-021(c) SOIL CONCENTRATIONS FOR VOLATILE ORGANIC ANALYTES WITH VALUES GREATER THAN THE REPORTING LIMIT[a]

SAMPLE ID	DEPTH (ft)	Acetone (mg/kg)	1,2-dichlorobenzene (mg/kg)	p-isopropyltoluene (mg/kg)	sec-butylbenzene (mg/kg)	1,1,1-trichloroethane (mg/kg)	1,2,4-trimethylbenzene (mg/kg)
SAL	N/A[b]	2 000	2 300	NC[c]	NC	3 000	8
EQL	N/A	0.2	0.05	0.05	0.05	0.05	0.05
0316-95-0044	1–1.5	0.06 (J)[d]	0.007 (UJ)[e]	0.022 (J)	0.007 (UJ)	0.007 (UJ)	0.007 (UJ)
0316-95-0045	1.5–1.9	0.016 (J)	0.007 (UJ)	0.051 (J)	0.007 (UJ)	0.007 (U)	0.052 (J)
0316-95-0046	1.7–2.2	0.031 (UJ)	0.005 (J)	0.008 (UJ)	0.008 (UJ)	0.014 (J)	0.008 (J)
0316-95-2015	1–1.5	0.014 (J)	0.007 (U)	0.007 (U)	0.007 (U)	0.007 (U)	0.007 (U)

[a] Analytes within double-lines are greater than EQLs.
[b] N/A = Not applicable.
[c] NC = Not calculated.
[d] J = Analyte positively identified and associated numerical value is more uncertain than would normally be expected for the analysis.
[e] U = Analyte not positively identified in sample and the associated numerical value is the sample-specific EQL/EDL.

TCLP organic results showed no constituents above analytical detection limits.

5.2.7 Human Health Assessment

5.2.7.1 Screening Assessment

The noncarcinogens barium, HMX, TNB, and anthracene were found at levels greater than SALs (Table 5.2.5-1, 5-2.6-1 and 5.2.6-2). The carcinogens DNT, RDX, TNT, and bis(2-ethylhexyl)phthalate were also found at levels greater than SALs (Table 5.2.6-1, 5.2.6-2). All of these constituents will be carried through the RFI/CMS process as COPCs. No radionuclides were found at levels greater than SALs.

MCEs were performed for both carcinogens and non-carcinogens that were not already identified as COPCs.

Noncarcinogenic contaminants detected other than the COPCs mentioned above are summarized in Table 5.2.7.1-1. Additional inorganic COPCs identified (those where the noncarcinogenic concentration normalized to SAL is greater than 0.1) include lead, vanadium, and 1,3-dinitrobenzene.

Carcinogenic contaminants with levels greater than LANL background UTLs but below SALs were submitted for an MCE for carcinogenic effects. The sum of the maxima for the carcinogenic group is 0.13, well below the target value of 1. This indicates a low potential for adverse effects due to exposure to carcinogens other than those already identified as COPCs because these carcinogens are at levels above SALs (Table 5.2.7.1-2).

Only a single radionuclide, uranium, was identified at levels above background, so no MCE was performed for the radionuclides.

TABLE 5.2.7.1-1

MCE FOR NONCARCINOGENIC EFFECTS AT PRS 16-021(c)

CONTAMINANT	MAXIMUM SOIL CONCENTRATION (mg/kg)	SOIL SAL (mg/kg)	CONCENTRATION NORMALIZED TO SAL
Copper	40.5	2 800	0.014
Lead	107	400	0.23
Nickel	37.3	1 500	0.025
Silver	4.1	383	0.011
Vanadium	55.7	540	0.10
Zinc	152	23 000	0.0066
1,3-Dinitrobenzene	2.04	6.5	0.31
Nitrobenzene	1.2	33	0.036
3-Nitrotoluene	2.12	650	0.0033
Benzoic acid	0.43	100 000	0.000004
Di-n-butylphthalate	0.054	6 500	0.000008
Pyrene	0.071	2 000	0.00004
Acetone	0.067	2 000	0.00003
1,2 Dichlorobenzene	0.01	2 300	0.000004
1,2,4-Trimethylbenzene	0.052	8	0.0065
1,1,1-Trichloroethane	0.065	3 000	0.00002

TABLE 5.2.7.1-2

MCE FOR CARCINOGENIC EFFECTS AT PRS 16-021(c)

CONTAMINANT	MAXIMUM SOIL CONCENTRATION (mg/kg)	SOIL SAL (mg/kg)	CONCENTRATION NORMALIZED TO SAL
Chromium	26.8	210	0.13
2,4,6-Trichlorophenol	0.048	40	0.0012
Total			0.13

5.2.7.2 Risk Assessment

No human health risk assessment was performed at this PRS. A human health risk assessment is not needed to define the decision. A CMS/CMI will be required. The constituents RDX, HMX, and TNT are present at levels several orders of magnitude greater than SALs over much of the area of PRS 16-021(c). A human health risk assessment under either a residential or industrial scenario would yield carcinogenic and systemic risks far greater than the EPA's target range of 10^{-4} to 10^{-6} for carcinogens and a hazard index of 1 for systemic toxicants. In addition, the distribution of contaminant concentrations is so non-normal that a realistic 95 UCL on the mean, as prescribed in Risk Assessment Guidance for Superfund (RAGS) (EPA 1989, 0305) guidance, cannot legitimately be calculated. Using maximum concentrations in lieu of 95 UCLs, as is done for background constituents with non-normal or non-log normal distributions, suggests that risks are on the order of 10^{-2} and 10^{-3} for RDX and TNT and a hazard index greater than 1 for HMX under an industrial scenario. In addition, the high levels of HE in the soil (greater than 5 wt %) suggest that the soils pose an acute (explosive) hazard not just a chronic hazard to receptors.

A more detailed baseline risk assessment, which includes Phase II information on surface [illegible] groundwaters, will be completed as part of the CMS/CMI process.

5.2.8 Preliminary Ecological Assessment

In accordance with conversations between LANL ER Project personnel, DOE/LAAO, and the regulators, discussion of ecological risk assessment methodology will be deferred until the Ecological Exposure Unit (Ecozone) methodology that is being developed by LANL in conjunction with EPA Region 6 and the NMED has been approved by the regulators.

PRS 16-021(c) is known to have impacted ecological receptors. Dead trees are present in the drainage that are almost certainly due to impacts of COPCs from the outfall.

5.2.9 Extent of Contamination

The extent of contamination is not fully characterized for PRS 16-021(c) in either the lateral or vertical directions. None of the COPCs were bounded in the vertical direction. Table 5.2.9-1 and Fig. 5.2.9-1 indicate the status of lateral bounding relative to SALs for COPCs identified as part of the screening assessment.

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March 26, 1998

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RE: Approval
16-003(k) and 16-021(c) RCRA Facility Investigation Report
Los Alamos National Laboratory
NM0890010515

Dear Mr. Taylor and Mr. Browne:

The RCRA Permits Management Program (RPMP) of the New Mexico Environment Department has reviewed and approves the 16-003(k) and 16-021(c) RCRA Facility Investigation (RFI) Report (LA-UR-96-502 dated September 1996). The approved document includes the RFI Report, Response to Supplemental Information (EM/ER:97-476 dated November 14, 1997), and the Response to Conditional Approval (EM/ER:98-056 dated February 26, 1998).

Should you have any questions regarding this letter, please contact me or Mr. John Kieling, RPMP's LANL Facility Manager, at (505) 827-1558.

Sincerely,

Robert S. ("Stu") Dinwiddie, PhD, Manager
RCRA Permits Management Program
Hazardous and Radioactive Materials Bureau

RSD:kth

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