Environmental Restoration
University of California
Environmental Restoration Project, MS M992
Los Alamos, New Mexico 87545
505-667-0808/FAX 505-665-4747

U. S. Department of Energy
Los Alamos Area Office, MS A316
Environmental Restoration Program
Los Alamos, New Mexico 87544
505-667-7203/FAX 505-665-4504

HSWA LANL 2/1086/15
LA-UR-98-3425

1998 RECEIVED

Date: September 30, 1998
Refer to: EM/ER:98-399

Mr. Benito Garcia
NMED-HRMB
P.O. Box 26110
Santa Fe, NM 87501

SUBJECT: SUBMITTAL OF VCA COMPLETION REPORT FOR PRS 15-009(j) (FORMER OU 1086, FU 2) TO PROVIDE INFORMATION AND DOCUMENTATION OF TECHNICAL AND REGULATORY COMPLETION

Dear Mr. Garcia:

Enclosed please find the Certification and two copies of the Voluntary Corrective Action Completion Report for Potential Release Site 15-009 (j), which are being submitted to the New Mexico Environment Department to provide information and documentation of technical and regulatory completion.

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

Sincerely,

Julie A. Canepa, Program Manager
LANL/ER Project

Sincerely,

Theodore J. Taylor, Program Manager
DOE/LAAO

JC/TT/DB/rfr

Enclosures: (1) Certification
(2) Two VCA Completion Reports for PRS 15-009(j) (Former OU 1086, FU 2)

Cy (w/ encs.):
J. McCann, CST-7, MS E525
R. Michelotti, CST-7, MS E525
D. Neleigh, EPA, R.6, 6PD-N
J. Newlin, CST-7, MSSS M992
C. Rodriguez, CIO/ER, MS M992
T. Taylor, LAAO, MS A316
T. Trujillo, DOE-AL, MS A906
J. White, ESH-19, MS K490
S. Dinwiddie, NMED-HRMB
M. Leavitt, NMED-GWQB
J. Parker, NMED-HRMB
G. Saums, NMED-SWQB
S. Yanicak, NMED-AIP, MS J993
RPF, MS M707, Work Package 306

Cy (w/o encs.):
T. Baca, EM, MS J591
D. Boak, TSA-10, MS M992
T. Fogg, ICF-Kaiser, MS M892
T. George, EM/ER, MS M992
R. Hutton, SAIC, MS J521
M. Kirsch, EM/ER, MS M992
T. Longo, DOE-HQ, EM-453
D. McInroy, EM/ER, MS M992
J. Mose, LAAO, MS A316
H. Orr, EM/ER, MS M992
S. Rae, ESH-18, MS K497
G. Rael, DOE-AL, MS A906
J. Vozella, LAAO, MS A316
EM/ER File (CT # C284), MS M992
EM/ER File, MS M992

CERTIFICATION

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

Document Title: VCA Completion Report for PRS 15-009(j) (Former OU 1086, FU 2)

Name: _____ Date: 9/29/98

Julie A. Canepa, Program Manager
Environmental Restoration Project
Los Alamos National Laboratory

or

Tom Baca, Program Director
Environmental Management
Los Alamos National Laboratory

Name: _____ Date: 9/29/98

Joseph Vozella,
Acting Assistant Area Manager of
Environmental Projects
Environment, Safety, and Health Branch
DOE-Los Alamos Area Office

or

Theodore J. Taylor, Program Manager
Environmental Restoration Program
DOE-Los Alamos Area Office

LA-UR-98-3925
September 1998

Voluntary Corrective Action Report for Potential Release Site

15-009(j)
Septic Tank

Environmental Restoration Project
A Department of Energy Environmental Cleanup Program

Los Alamos
NATIONAL LABORATORY
Los Alamos, NM 87545

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Voluntary Corrective Action Report for Potential Release Site

15-009(j)
Septic Tank

Produced by the Remedial Actions Focus Area

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Voluntary Corrective Action Completion Report

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EXECUTIVE SUMMARY

This Voluntary Corrective Action (VCA) Completion Report describes the results of investigation and remediation of PRS 15-009(j), a HSWA SWMU at Los Alamos National Laboratory (LANL). The investigation and remediation of this PRS are in accordance with the Hazardous and Solid Wastes Amendments of 1984 and follow the requirements in Module VIII of LANL's Hazardous Waste Facility Permit.

PRS 15-009(j) was a septic tank and two 50-ft-deep seepage pits that were used to process waste from sanitary facilities at Building TA-15-285. Industrial work such as electronic soldering, silver soldering, and machining were conducted in the building. Workers who were involved in cleaning metal spheres that contained explosive experiments used the shower facilities in the building. The septic tank and associated structures were located on DOE-owned land and removed from private access roads. The PRS was contained entirely within LANL's Technical Area 15, which is a high-security, controlled access facility. Unauthorized entry is not permitted.

The septic tank and seepage pits were constructed in 1981. Except for observation ports, all parts of the system were at least 2 ft below grade. The system was abandoned in-place, with the inlet cut and capped at a manhole in the fall of 1992 when the LANL Sanitary Wastewater System Consolidation plant was installed. In 1995, initial chemical characterization of the septic tank's contents revealed a few inches of water (presumably from infiltrating precipitation) that contained detectable concentrations of metals and uranium. Because LANL facility management requested that the tank be removed to accommodate potential future development at the site, a VCA was conducted to remove the septic tank and its contents, and to investigate the possible environmental release of contaminates from the seepage pits.

The VCA at PRS 15-009(j) was completed in August of 1997. The septic tank was excavated and found to be constructed of a single fiberglass tank, with no visual signs of leakage. After removal, confirmatory soil and tuff samples were collected at locations corresponding to the septic tank inlet, outlet, and below the tank to quantitatively test the visual observations of tank integrity. Soil and tuff samples were also collected from locations next to the two seepage pits at various depths to determine if any releases to the environment had occurred. All samples were analyzed for metals, HE, VOCs, SVOCs, and uranium by an off-site analytical laboratory.

The laboratory analyses of the soil from the excavation of the tank and soil/tuff surrounding the seepage pits indicated that there was no consistent pattern of contamination, confirming the visual observation of tank integrity, and showing that no release of contaminants to the environment had occurred. The screening evaluation of the VCA sample results did not identify any human health COPCs; therefore there is no potential for unacceptable risk to human health at this PRS. There is no potential for unacceptable ecological impacts because there are no ecological receptors due to the subsurface nature of the PRS, and because no release has occurred. The VOCs detected in the soil/tuff are the result of analytical laboratory contamination rather than a release from the septic system. Based on the sampling results, remedial activities other than removing the tank are not necessary, and PRS 15-009(j) is recommended for no further action under Criterion 3 "No release to the environment has occurred or is likely to occur in the future from the SWMU."

VOLUNTARY CORRECTIVE ACTION COMPLETION REPORT FOR POTENTIAL RELEASE SITE 15-009(j), SEPTIC TANK

1.0 INTRODUCTION

Los Alamos National Laboratory (LANL) is a multi-disciplinary research facility owned by the Department of Energy (DOE) and managed by the University of California. LANL is located in north-central New Mexico approximately 60 miles northeast of Albuquerque and 20 miles northwest of Santa Fe. LANL covers 43 square miles of the Pajarito Plateau, which consists of a series of fingerlike mesas separated by deep canyons containing ephemeral and intermittent streams that run from west to east. Mesa tops range in elevation from approximately 6,200 ft to 7,800 ft. The eastern portion of the plateau stands 300 to 900 ft above the Rio Grande.

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

The sites under investigation are either solid waste management units (SWMUs) or Areas of Concern (AOCs). In the LANL ER Project, SWMUs and AOCs are collectively referred to as potential release sites (PRSs).

This investigation and remediation, including sampling and analysis, was conducted under the requirements of the Resource Conservation and Recovery Act (RCRA).

For PRS 15-009(j), the investigation and remediation is in accordance with the Hazardous and Solid Wastes Amendments (HSWA) of 1984 and follows the requirements in Module VIII of LANL's Hazardous Waste Facility Permit (EPA 1990, ER ID 01585). Module VIII was issued to LANL by the US Environmental Protection Agency (EPA) on May 23, 1990, and modified on May 19, 1994.

Radionuclides are regulated under DOE Order 5400.5, Radiation Protection of the Public and the Environment (proposed rule 10 CFR 834.5 in FR 16268). In this report, PRS 15-009(j) has a radioactive component.

PRS 15-009(j) is located at LANL in Technical Area (TA) 15 approximately 50 ft southeast of Building TA-15-285. Figure 1.0-1 shows the locations of TA-15 and PRS 15-009(j). The PRS consisted of a septic tank and two 50-ft-deep seepage pits that were deactivated in the fall of 1992. The septic tank served the sanitary facilities in building TA-15-285. Industrial work such as electronic soldering, silver soldering, removal of excess flux from the silver soldering operations in an acid "brightening tank" and machining of steel containment vessels took place in the building. After flux removal, parts were rinsed with water, which drained into the septic tank. In addition, workers who were involved in cleaning metal spheres that contained explosive experiments used the shower facilities in Building TA-15-285. Finding metals and uranium in the septic tank water is consistent with the building's use.

PRS 15-009(j) was recommended for a voluntary corrective action (VCA) for the following reasons:

- chemicals of potential concern (COPCs) were detected inside the septic tank;
- removing of the septic tank and its contents ensured the contents would not be released to the environment;
- the proposed remedy (septic tank contents removal, cleaning, and septic tank removal) was obvious;

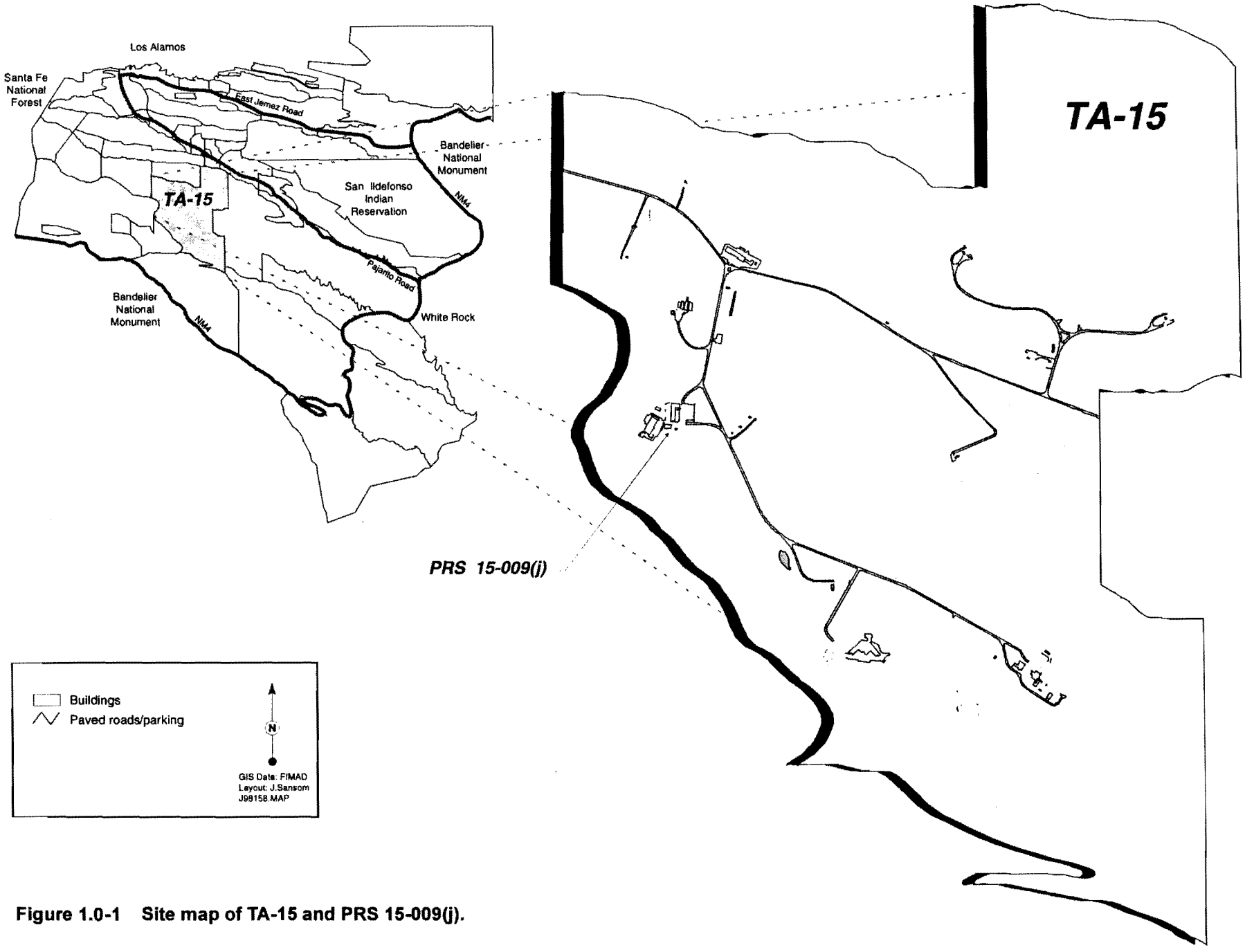

Figure 1.0-1 Site map of TA-15 and PRS 15-009(j).

- the nature and extent of any soil contamination, which was not determined during the RCRA Facility Investigation (RFI), could be determined easily by sampling after removing the septic tank and by drilling at the seepage pits to 10 ft below the total depth of each pit,
- the removal could be completed in a short time period;
- the remedy was final;
- the land use could be continued industrial;
- removal of the septic tank was requested by facility management to provide additional space for expansion of Building TA-15-285;
- treatment, storage and disposal (TSD) facilities existed for the limited volumes of wastes generated; and

The VCA plan for remediation of PRS 15-009(j) and a fact sheet were presented to the New Mexico Environment Department (NMED) in June 1997. Approval to proceed was received verbally at that meeting. The VCA plan was written by LANL and subsequently approved by DOE in the summer of 1997 (ER Project 1997, ER ID No. 56385, see Appendix I).

This VCA completion report describes the septic tank removal, the sampling of surrounding soil, and the sampling of soil and tuff adjacent to the seepage pits. The work was completed in late summer 1997. The VCA completion report is divided into five sections. Section 1 is the introduction. Section 2 presents information known about the site, including the previous RFI investigation completed prior to the VCA, and describes the nature and extent of contamination. Section 3 describes the derivation of the cleanup levels, the remedial activities completed, and presents the results of analysis of the samples collected during and after remediation. Section 4 describes the waste management activities, including waste types, volumes, characterization, and disposition. Section 5 contains references.

More detailed information is provided in the attached appendices. Appendix A contains a list of acronyms and a glossary of terms. Current and historical land use of TA-15 (which includes PRS 15-009[j]) is discussed in detail in Appendix B-1.0, Operational History and Land Use. Appendices B-2.0 through B-6.0 discuss the climate, geology, hydrology, ecological resources, and cultural resources for TA-15 in detail. Appendix C includes the complete quality assurance/quality control (QA/QC) results. Appendix D provides an abridged version of the data for the investigation/remediation. The complete data set has been submitted to the administrative authority (AA) in electronic format with a copy of this document. Appendix E, Statistical Calculations, and Appendix F, Risk Assessment Calculations are not applicable for this report. Appendix G-1.0 summarizes the administrative history of PRS 15-009(j). Appendix H contains the before and after cost comparison for completion of the VCA. Appendix I contains a copy of the VCA plan for PRS 15-009(j), while Appendix J contains a schematic drawing of the seepage pits at PRS 15-009(j).

2.0 SITE CHARACTERIZATION PRIOR TO VCA

2.1 Summary

PRS 15-009(j) consisted of an inactive septic system and two inactive seepage pits. The seepage pits were uncased holes, drilled into tuff and filled with cobbles. Because it was unknown contaminants were ever introduced into the system, a stepwise RFI approach was used to determine if there were any COPCs in the septic tank. Details of the approach are included in Section 2.3.3, Preliminary Conceptual Model. The RFI Work Plan (LANL 1993, ER ID 26077), specified that two samples of sludge be collected, however, four water samples were actually collected because there was not enough sludge to collect. The samples were analyzed for metals, high explosives (HE), and radioactive constituents. Details of the RFI activities are included in Section 2.3.4.2, Field Investigation.

The RFI sampling was confined to the liquid within the septic tank and did not include soil samples around the septic tank or the seepage pits. The RFI sampling detected 22 inorganics in the septic tank liquid, as

well as uranium. Sampling to determine the extent of contamination outside of the septic tank was not conducted during this initial characterization. Determining extent was one of the objectives of the sampling proposed as part of the VCA activities. Determining the nature of any organic contamination was an additional objective. Full details are included in Section 2.3.5, Revised Site Conceptual Model After RFI.

When the initial investigation detected COPCs in the septic tank, coupled with the facility management request that the tank be removed to provide additional space to expand Building TA-15-285, a VCA was proposed for PRS 15-009(j). The VCA Plan was designed to determine whether the constituents found in the septic tank extended to the soil surrounding the septic tank and the seepage pits. The contents of the septic tank were removed and characterized for waste purposes prior to disposal, and the septic tank was excavated and removed as well. Once the septic tank was removed, the soil and/or tuff below the former inlet and outlet of the septic tank, and beneath the septic tank could be sampled. During the VCA, the soil and tuff adjacent to the seepage pits were also characterized by boring 4 ft from each pit to 10 ft below the total depth of each pit. Details of the VCA are in Section 3, Remedial Activities and Results of Sampling.

2.2 Description and Operational History

PRS 15-009(j) is a SWMU listed in Module VIII of LANL's Hazardous Waste Facility Permit.

2.2.1 Site Description

Physical Description

PRS 15-009(j) consisted of an inactive subsurface septic tank (structure No. TA-15-286) and two inactive seepage pits. The PRS is located on Phermex Mesa, roughly 1000 ft east of Cañon de Valle. The septic system was located near the western edge of TA-15, approximately 50 ft southeast of Building TA-15-285, while the seepage pits were located approximately 15 ft and 30 ft southeast of the septic tank (Figure 2.2-1). The septic tank had a reported capacity of 1,500 gal. and, as documented by the RFI Work Plan for Operable Unit 1086 in Table 10.2-5, pages 10–20 (LANL 1993, ER ID 26077), received sanitary waste from Building TA-15-285. The sanitary waste listed in Table 10.2-5 of the RFI Work Plan included drainage from a shower, toilet, sink, and water fountain. The top of the septic tank was approximately 2 ft below the surface and the bottom of the septic tank was approximately 8 ft below the surface. The septic tank was thought to be concrete with estimated dimensions of 8 ft x 4 ft x 6 ft, and 4-in. thick. Discharge from the septic tank flowed to two, 4-ft-diameter, 50-ft-deep seepage pits that were connected via subsurface piping in series with the septic tank discharge line. The seepage pits were constructed by drilling into tuff and filling them with cobbles. Appendix J shows the engineering drawings for the pits. The septic tank was connected to the building by 4" PVC pipe, as determined in the field during the VCA. A manhole exists about 50 ft upgradient from the septic tank providing access to the former inlet piping and current Sanitary Wastewater System Consolidation (SWSC) connection. The SWSC is described in Section 2.2.2, Operational History.

Figure 2.2-1 shows the location of the septic tank and seepage pits in relation to other structures and a parking lot in the area. None of these structures are expected to have any influence on PRS 15-009(j), with the possible exception of potential run-on from the parking lot, as described in the AP-4.5 assessment (Appendix B-4.2.1). Because only samples of media inside the tank were collected during the RFI, the extent of contamination (if any) was unknown. The potential extent of contamination determined from the VCA efforts is discussed in Section 3.4.2, Revised Site Conceptual Model as Influenced by other VCA Sampling.

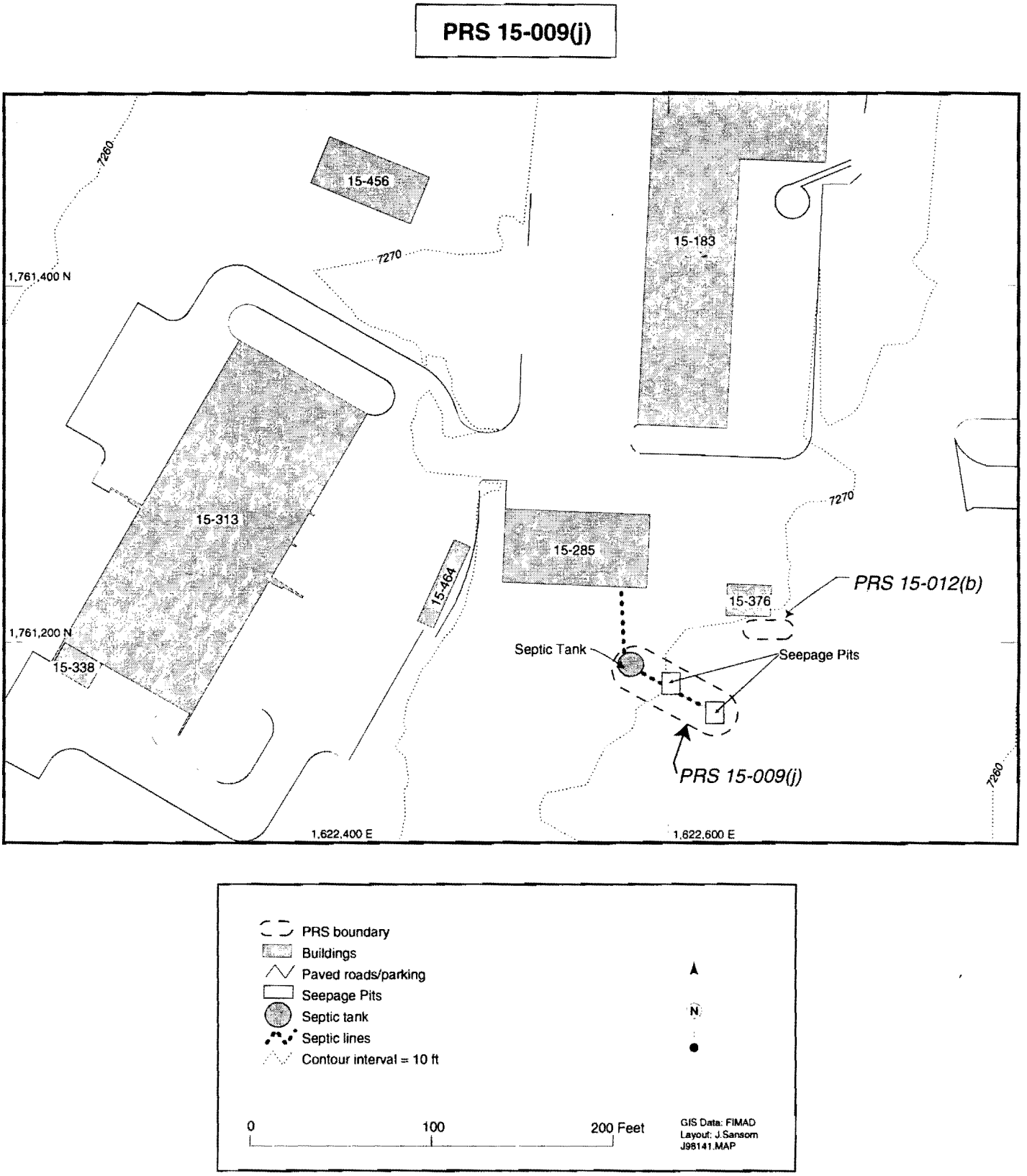

Figure 2.2-1. Location of septic tank and seepage pits at PRS 15-009(j).

Land Use

The PRS is located on DOE-owned land and is removed from public access roads. TA-15 is an industrial area consisting of a number of firing sites used extensively since 1944 for research and explosive testing of weapon design components. PRS 15-009(j) is part of the industrial complex at TA-15 and is expected to be used for expansion of Building TA-15-285. LANL does not anticipate any change from the industrial use for the TA and the PRS for the operational life of LANL as described in the LANL Site Development Plan, Annual Update (LANL 1995, ER ID 57224). PRS 15-009(j) is entirely contained within LANL TA-15, which is a high-security, controlled access facility. It has 24-hour security guards at the restricted access points and chain link fences topped with barbed wire surrounding the entire area. Unauthorized access is not permitted.

Relation to Other PRSs

As shown in Figure 2.2-2, there are other PRSs in the vicinity of PRS 15-009(j). However, none of the other PRSs are expected to have any direct influence on PRS 15-009(j) because they are all downgradient surface PRSs and also because PRS 15-009(j) is entirely subsurface. PRS 15-012(b) may have had an indirect effect on PRS 15-009(j), due to personnel showering in Building TA-15-285, which connected to PRS 15-009(j). The personnel may have been contaminated with debris from the testing conducted inside steel spheres that were washed out at 15-012(b).

Environment

The surface soil present at PRS 15-009(j) is listed as Carjo Loam (see Appendix B). There have not been any studies performed on local soil to determine specific soil properties. The occurrence of A, B, or C-horizons has not been specifically determined at this site because they are not relevant to the conceptual model due to the depth of the PRS. The depth to bedrock in this area of LANL is estimated at 4 to 7 ft, based on the drilling logs (see Appendix D-3.0) completed during the VCA. The surface slope is listed in the AP 4.5 assessment as less than 10%, and slopes away from Cañon de Valle toward the east.

There is a parking lot adjacent to one side of the site, with pinon-juniper cover in the area, grading into grassland. The AP-4.5 estimated percent groundcover coverage near the site is 25–75% (Appendix B-4.2.1). Because this PRS is entirely subsurface, there is no potential for airborne transport of contaminants from the site.

Surface water from PRS 15-009(j) drains into the Potrillo Canyon watershed area. There are no wetlands, springs, or streams affected by PRS 15-009(j). A search of Facility Information Management Analysis and Display (FIMAD) information showed two springs within TA-15, Hollow Spring in Cañon de Valle immediately below the hollow, and WC 6.25 Spring, slightly downgradient from the confluence of Cañon de Valle and Water Canyon. Hollow Spring is approximately 1,275 ft north of PRS 15-009(j), and spring WC 6.25 is approximately 4,200 ft southeast of PRS 15-009(j). Neither of these springs is in Potrillo Canyon. There are no water wells in TA-15. There are no groundwater or surface water monitoring stations within TA-15. The depth to the regional aquifer beneath TA-15 is estimated to vary from about 875 ft to over 1100 ft (Purtyman and Stoker 1988, ER ID 6879).

There are several man-made structures that could affect site hydrology and create surface water run-on to the site. The AP 4.5 assessment stated that there is potential for run-on from one building, TA-15-285, which resulted in a run-on score of 7.0 (Appendix B-4.2.1). There are no natural upstream drainage patterns that direct stormwater onto this site. There is no visible erosion at the site, no evidence of runoff, nor any visible trash or debris on the site. The AP 4.5 erosion matrix score was 15.8 indicating a low potential for erosion (Appendix B-4.2.1).

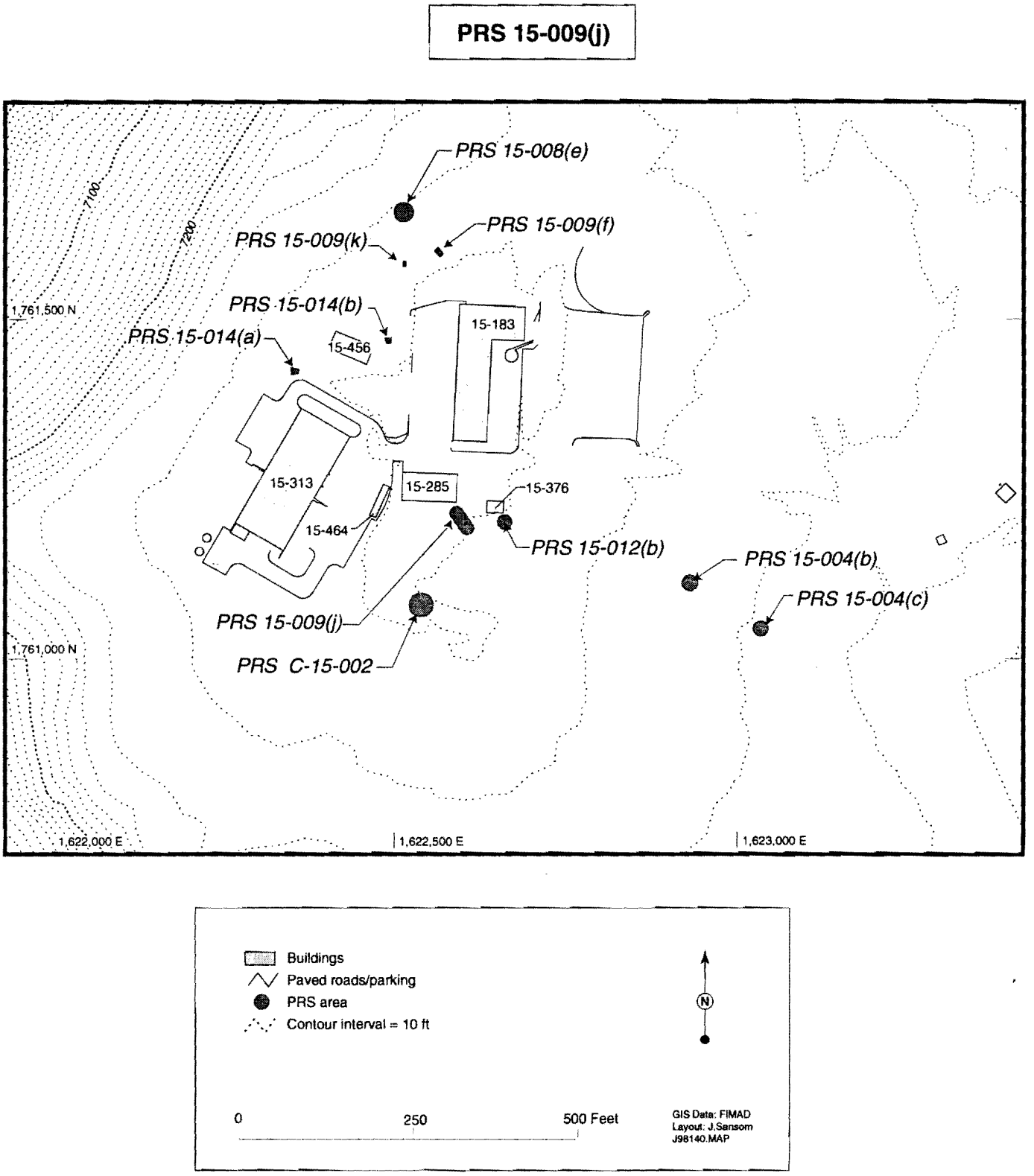

Figure 2.2-2. Location of PRSs in the vicinity of PRS 15-009(j).

Cultural and Biological Resources

The Biological Survey from the RFI work plan (LANL 1993, ER ID 26077) (reproduced here as Appendix B-5.0) lists the species of potential concern that might be present within TA-15. The Cultural Survey from the RFI Work Plan (reproduced here as Appendix B-6.0) lists archeological sites at TA-15, 80 of which are described as being "eligible for inclusion on the National Register." A site-specific review of PRS 15-009(j) (Appendix B-5.1) lists it as being entirely within a T&E species habitat buffer zone. The Ecological Scoping Checklist is included in Appendix F. A site-specific review of PRS 15-009(j) (Appendix B-6.1) lists it as being within 150 ft or more of cultural sites. The RFI activities at the PRS did not affect the archeological sites or the T&E habitat because of the time of year when the work was done and the lack of cultural resources in the immediate vicinity of the PRS itself.

2.2.2 Operational History

The septic tank and seepage pits were constructed in 1981. The system was abandoned in-place, with the inlet cut and capped at a manhole, in the fall of 1992 when the SWSC plant was installed at TA-46. There is approximately 50 ft of 4' PVC inlet line between the SWSC connection and the tank. The septic tank received sanitary waste from Building TA-15-285, including drainage from a shower, toilet, sink, and water fountain. Effluent from the septic tank was designed to discharge to two, 4-ft-diameter, 50-ft-deep seepage pits that were connected in series with the septic tank discharge line.

During preparation of the VCA plan for PRS 15-009(j), it was confirmed through conversations with personnel involved in past operations in Building TA-15-285 that soldering, silver soldering, and machining was conducted and a brightening tank was used in the building between 1979 and 1986. Cadmium was a constituent of the solver solder, while lead and antimony are constituents of electronic solder. After silver solding, parts were often rinsed in an acid bath ("brightening tank") to remove excess flux. The final step in this process was a water rinse to remove excess acid solution. Solvents were not used in this process. There are no records of any discharge volumes, because the septic system was designed to discharge to the seepage pits on a continuous basis, as needed. No records exist to determine whether the septic tank was ever pumped out.

2.3 Investigatory Activities

2.3.1 Summary

Section 2.3 describes the investigatory activities for PRS 15-009(j), including previous investigations (Section 2.3.2), the preliminary conceptual model that guided the RFI fieldwork (Section 2.3.3), and the RFI field activities (Section 2.3.4.2). A review of the RFI data is also presented (Section 2.3.4.3), followed by a description of how the conceptual model for PRS 15-009(j) was revised based on information gained during the RFI (Section 2.3.5).

2.3.2 Previous Investigations

No previous investigations occurred at this PRS.

2.3.3 Preliminary Conceptual Model

PRS 15-009(j) consisted of an inactive septic system and two inactive seepage pits. The septic tank system was used for 12 years, from 1981 until 1992. The tank had a capacity of 1,500 gal. and received sanitary waste from a shower, toilet, sink, and water fountain. From the limited field observations possible, the septic tank was thought to be constructed of concrete. Discharge from the septic tank was routed to two, 4-ft-diameter, 50-ft-deep seepage pits that were connected in series with the septic tank effluent line. The seepage pits were constructed by drilling into tuff and then filled with cobbles. The COPCs were proposed to be metals, uranium, and HE in the RFI Work Plan (LANL 1993, ER ID 26077; page 10-14, Section 10.2.1.4).

From the description of the septic system as having served sanitary facilities, it was unknown whether measurable quantities of hazardous constituents were ever transported into the septic system and seepage pits. Because the septic tank was the first structure in the treatment system and was designed to separate solids from liquids by settling, the conceptual model hypothesized that concentrations of COPCs would be higher in the septic tank than in the seepage pits or inlet line. Thus, the approach of the RFI was to sample the septic tank contents first, and then determine the need for additional sampling based on the results. If introduced into the septic tank, metals or HE could potentially be released into subsurface soil through leaking connections at the tank inlet/outlet, or leaking tank seams. Any leakage at connection points could result in subsurface migration. Releases to the subsurface environment could also have occurred by design via the seepage pits, followed by subsequent subsurface migration. Because it was unknown whether measurable concentrations of contaminants were ever introduced into the system, a phased approach to sampling and analysis was proposed.

Investigatory Approach

Based on the preliminary conceptual model, the RFI Work Plan specified that two samples of sludge should be collected. Analysis of the sludge would determine whether measurable quantities of COPCs had been introduced into the tank, and these results could be used to guide further characterization efforts, if necessary.

2.3.4 Field Investigation and Data Evaluation

2.3.4.1 Summary

Section 2.3.4 describes the RFI field investigation and data evaluation for PRS 15-009(j). The field investigation is discussed in Section 2.3.4.2, and the data review is included in Section 2.3.4.3. Figure 2.3-1 shows the analytes detected in the septic tank.

2.3.4.2 Field Investigation

The following information is a summary of Section 4.7.2, pages 4-95 to 4-96 of the RFI Report for OU 1086 (LANL 1995, ER ID 50294).

The septic tank was visually inspected during the summer of 1994 and found to be free of visible sludge, and to contain less than one inch of liquid, which was not enough to collect a sample. The septic tank was re-inspected in 1995, and water was observed in the septic tank, enabling sample collection. No sheen was observed at any time. Because the inlet had been cut and plugged in 1992, it was assumed that the water in the septic tank was due to the infiltration of rainwater and snowmelt at the surface access port on the top of the structure. This PRS is a mesa-top site, thus interaction with alluvial groundwater is not a potential source of the water in the septic tank (see drilling logs, Appendix D-3.0). Sludge could not be collected, because if it was present (identification through the small tank vent was difficult), it was too solidified to enable sample collection through the existing tank vent. One liquid sample (0215-95-0154) was collected on July 25, 1995, and analyzed by fixed laboratory analysis for high explosives, target analyte list (TAL) metals, total uranium, and by alpha spectroscopy. When the initial laboratory report indicated elevated levels of metals and uranium, three additional samples (0215-95-0013, 0215-95-0014, and 0215-95-0015) were collected on September 29, 1995, and analyzed for TAL metals and total uranium to confirm the presence of COPCs. Table 2.3-1 summarizes the samples collected during the investigation that were submitted for fixed laboratory analysis. Additional information, such as the analytical laboratory name, was submitted to the AA in electronic format as discussed in Appendix D-2.0, Analytical Results.

All samples were collected by former Field Unit 2 personnel of the LANL ER Project team. The liquid samples were obtained using a modified version of LANL-ER-SOP 6.15, Coliwassa Sampler for Liquids and Slurries (LANL 1993, ER ID 2786). Figure 2.3-1 shows the location of the sample collections. The RFI

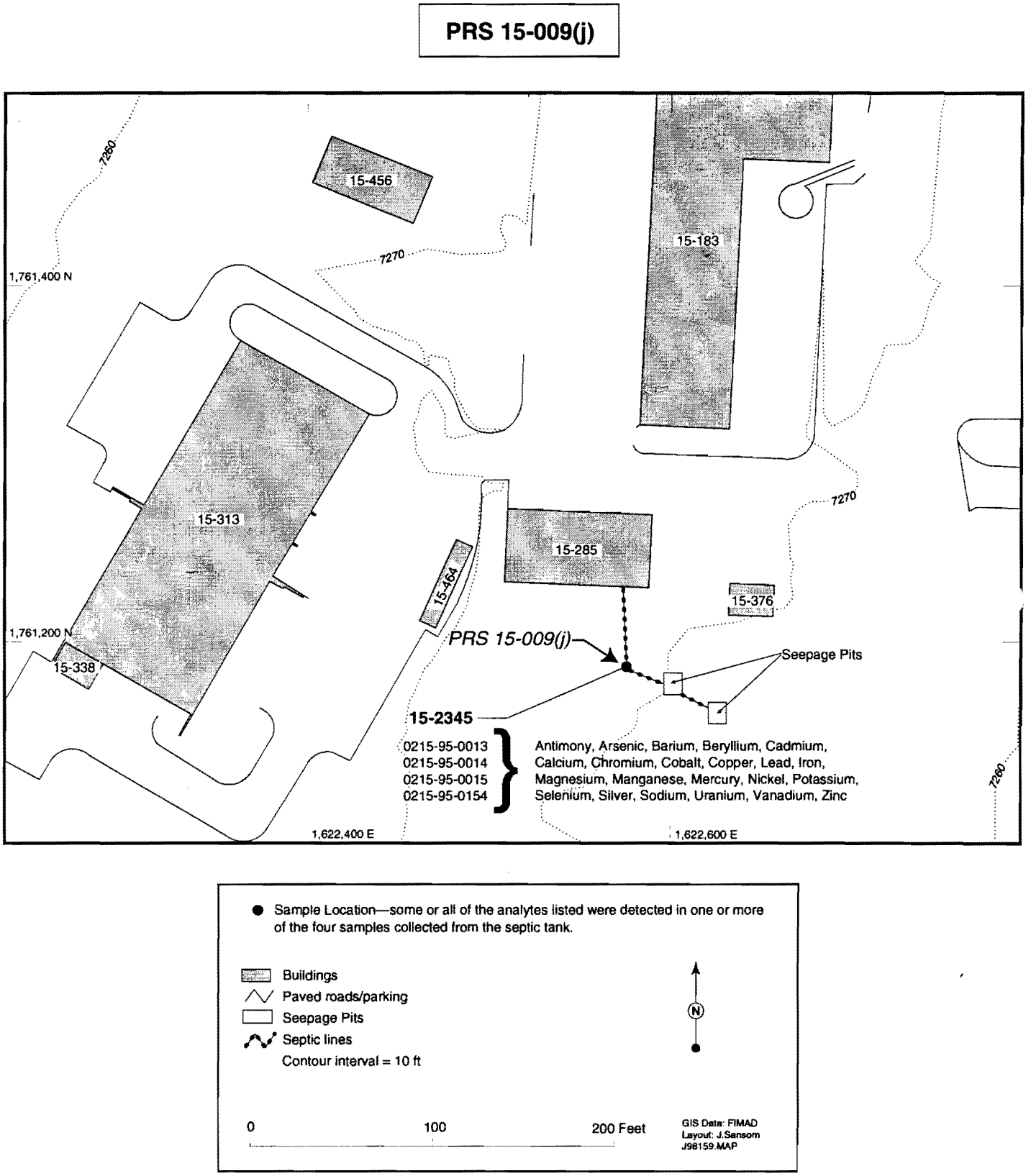

Figure 2.3-1. RFI sampling results.

report containing the July 25 sampling results was submitted to NMED in November 1995 (ER Project 1995, ER ID 50294). All of the analytical results were subsequently presented in the VCA Plan for PRS 15-009(j) (ER Report 1997, ER ID No. 56385, Appendix I).

TABLE 2.3-1
PRS 15-009(j)
SUMMARY OF SAMPLES COLLECTED FOR FIXED LABORATORY ANALYSIS[a]

Location ID	Sample ID	Sample Type	Depth (ft)	Media	HE	TAL Metals	Uranium	Alpha Spectroscopy
15-2345	0215-95-0013	Grab	NA[b]	Liquid	Not Analyzed	1086-95-0098	1086-95-0098	Not Analyzed
15-2345	0215-95-0014	Grab	NA	Liquid	Not Analyzed	1086-95-0098	1086-95-0098	Not Analyzed
15-2345	0215-95-0015	Grab	NA	Liquid	Not Analyzed	1086-95-0098	1086-95-0098	Not Analyzed
15-2345	0215-95-0154	Grab	NA	Liquid	1086-95-0006	1086-95-0006	1086-95-0006	1086-95-0006

[a] Numbers in the cells for each analytical suite are request numbers
[b] NA = Not applicable

2.3.4.3 Data Review

(a) Inorganic Chemical Comparison With Background

Four samples of the liquid inside the septic tank at PRS 15-009(j) were collected and sent to an off-site analytical laboratory for analysis of TAL metals. The analytical data from the RFI are presented in Appendix D-2.0.

The results of the QA/QC assessment associated with the inorganic analyses are presented in Section C-2.0 in Appendix C. The data quality evaluation indicated that there were no QA/QC issues associated with the data set that affected data usability. Beryllium was qualified as J in one sample and potentially biased low because it was detected below the estimated detection limit (EDL). Mercury was qualified as P (use professional judgment) in three samples because of a high relative percent difference (RPD) in the laboratory duplicate analysis. Further review of the mercury data indicated that it should not be qualified because the sample and duplicate values were within the range of concentrations detected in the septic tank. Antimony was qualified as UJ or J- and arsenic was qualified as J- in three samples and potentially biased low because of low matrix spike recoveries. Silver was qualified as J+ in three samples and potentially biased high because of high matrix spike recovery. Overall, 8.7% (8 results of 92) of the inorganic data were qualified as J and 2.2% (2 results of 92) of the inorganic data were qualified as UJ; none were qualified as R.

Because the sample data are for a liquid medium from a septic tank, a comparison with soil or tuff background values (BVs) is not appropriate, and background levels for water are not available. The frequency of detections and the reported range of concentrations for the inorganics at PRS 15-009(j) are summarized in Table 2.3-a1. A summary of detections by sample is presented in Table 2.3-a2 and those inorganics retained for further evaluation are presented in Table 2.3-a3.

TABLE 2.3-a1
PRS 15-009(j)
FREQUENCY OF DETECTED INORGANIC CHEMICALS

Analyte	Media	Number of Samples Analyzed	Number of Detects	Concentration Range[a] (μg/L)	Frequency of Detects[b]
Aluminum	Liquid	4	4	29000–75300	4/4
Antimony	Liquid	4	2	16.7–65	2/4
Arsenic	Liquid	4	4	42–139	4/4
Barium	Liquid	4	4	817–2300	4/4
Beryllium	Liquid	4	1	1.1–[5]	1/4
Cadmium	Liquid	4	4	44.3–20	4/4
Calcium	Liquid	4	4	262000–564000	4/4
Chromium	Liquid	4	4	351–910	4/4
Cobalt	Liquid	4	4	58.4–150	4/4
Copper	Liquid	4	4	2100–6300	4/4
Iron	Liquid	4	4	80700–204000	4/4
Lead	Liquid	4	4	850–3030	4/4
Magnesium	Liquid	4	4	74800–113000	4/4
Manganese	Liquid	4	4	1300–3600	4/4
Mercury	Liquid	4	4	5–61	4/4
Nickel	Liquid	4	4	258–650	4/4
Potassium	Liquid	4	4	92300–179000	4/4
Selenium	Liquid	4	4	28–67	4/4
Silver	Liquid	4	4	37.7–110	4/4
Sodium	Liquid	4	4	152000–183000	4/4
Thallium	Liquid	4	0	[10–80]	0/4
Vanadium	Liquid	4	4	180–470	4/4
Zinc	Liquid	4	4	16900–42000	4/4

[a] Values in square brackets indicate nondetected results.
[b] Value is the ratio of the number of detects the number of analyses.

TABLE 2.3-a2
PRS 15-009(j)
INORGANIC CHEMICALS DETECTED IN THE SEPTIC TANK

Analyte	Location ID	Sample ID	Sample Concentration (μg/L)[a]	Media
Aluminum	15-2345	0215-95-0013	29400	Liquid
	15-2345	0215-95-0014	75300	Liquid
	15-2345	0215-95-0015	71300	Liquid
	15-2345	0215-95-0154	29000	Liquid
Antimony	15-2345	0215-95-0015	65 (J-)	Liquid
	15-2345	0215-95-0154	16.7	Liquid
Arsenic	15-2345	0215-95-0013	42 (J-)	Liquid
	15-2345	0215-95-0014	139 (J-)	Liquid
	15-2345	0215-95-0015	110 (J-)	Liquid
	15-2345	0215-95-0154	54.5	Liquid

TABLE 2.3-a2
PRS 15-009(j)
INORGANIC CHEMICALS DETECTED IN THE SEPTIC TANK
(Continued)

Analyte	Location ID	Sample ID	Sample Concentration (µg/L)[a]	Media
Barium	15-2345	0215-95-0013	930	Liquid
	15-2345	0215-95-0014	2300	Liquid
	15-2345	0215-95-0015	2100	Liquid
	15-2345	0215-95-0154	817	Liquid
Beryllium	15-2345	0215-95-0154	1.1(J)	Liquid
Cadmium	15-2345	0215-95-0013	51	Liquid
	15-2345	0215-95-0014	120	Liquid
	15-2345	0215-95-0015	110	Liquid
Calcium	15-2345	0215-95-0154	44.3	Liquid
	15-2345	0215-95-0013	272000	Liquid
	15-2345	0215-95-0014	564000	Liquid
	15-2345	0215-95-0015	536000	Liquid
	15-2345	0215-95-0154	262000	Liquid
Chromium	15-2345	0215-95-0013	380	Liquid
	15-2345	0215-95-0014	880	Liquid
	15-2345	0215-95-0015	910	Liquid
	15-2345	0215-95-0154	351	Liquid
Cobalt	15-2345	0215-95-0013	62	Liquid
	15-2345	0215-95-0014	150	Liquid
	15-2345	0215-95-0015	140	Liquid
	15-2345	0215-95-0154	58.4	Liquid
Copper	15-2345	0215-95-0013	2100	Liquid
	15-2345	0215-95-0014	6300	Liquid
	15-2345	0215-95-0015	6000	Liquid
	15-2345	0215-95-0154	2110	Liquid
Iron	15-2345	0215-95-0013	80700	Liquid
	15-2345	0215-95-0014	204000	Liquid
	15-2345	0215-95-0015	195000	Liquid
	15-2345	0215-95-0154	98600	Liquid
Lead	15-2345	0215-95-0013	1100	Liquid
	15-2345	0215-95-0014	3030	Liquid
	15-2345	0215-95-0015	2600	Liquid
	15-2345	0215-95-0154	850	Liquid
Magnesium	15-2345	0215-95-0013	82100	Liquid
	15-2345	0215-95-0014	113000	Liquid
	15-2345	0215-95-0015	110000	Liquid
	15-2345	0215-95-0154	74800	Liquid
Manganese	15-2345	0215-95-0013	1300	Liquid
	15-2345	0215-95-0014	3600	Liquid
	15-2345	0215-95-0015	3300	Liquid
	15-2345	0215-95-0154	1560	Liquid

TABLE 2.3-a2
PRS 15-009(j)
INORGANIC CHEMICALS DETECTED IN THE SEPTIC TANK
(Concluded)

Analyte	Location ID	Sample ID	Sample Concentration (µg/L)[a]	Media
Mercury	15-2345	0215-95-0013	5	Liquid
	15-2345	0215-95-0014	61	Liquid
	15-2345	0215-95-0015	34	Liquid
	15-2345	0215-95-0154	8.4	Liquid
Nickel	15-2345	0215-95-0013	260	Liquid
	15-2345	0215-95-0014	650	Liquid
	15-2345	0215-95-0015	610	Liquid
	15-2345	0215-95-0154	258	Liquid
Potassium	15-2345	0215-95-0013	169000	Liquid
	15-2345	0215-95-0014	178000	Liquid
	15-2345	0215-95-0015	179000	Liquid
	15-2345	0215-95-0154	92300	Liquid
Selenium	15-2345	0215-95-0013	28	Liquid
	15-2345	0215-95-0014	67	Liquid
	15-2345	0215-95-0015	56.3	Liquid
	15-2345	0215-95-0154	28.2	Liquid
Silver	15-2345	0215-95-0013	46 (J+)	Liquid
	15-2345	0215-95-0014	100 (J+)	Liquid
	15-2345	0215-95-0015	110 (J+)	Liquid
	15-2345	0215-95-0154	35.7	Liquid
Sodium	15-2345	0215-95-0013	180000	Liquid
	15-2345	0215-95-0014	180000	Liquid
	15-2345	0215-95-0015	183000	Liquid
	15-2345	0215-95-0154	152000	Liquid
Vanadium	15-2345	0215-95-0013	180	Liquid
	15-2345	0215-95-0014	470	Liquid
	15-2345	0215-95-0015	430	Liquid
	15-2345	0215-95-0154	190	Liquid
Zinc	15-2345	0215-95-0013	16900	Liquid
	15-2345	0215-95-0014	42000	Liquid
	15-2345	0215-95-0015	38900	Liquid
	15-2345	0215-95-0154	18000	Liquid

[a] Data qualifiers are defined in the Glossary, Appendix A-2.

TABLE 2.3-a3
PRS 15-009(j)
RESULTS OF INORGANIC DATA REVIEW

Analyte	Media	Result	Rationale
Aluminum	Liquid	Retained	Detected in the liquid from the septic tank.
Antimony	Liquid	Retained	Detected in the liquid from the septic tank.
Arsenic	Liquid	Retained	Detected in the liquid from the septic tank.
Barium	Liquid	Retained	Detected in the liquid from the septic tank.
Beryllium	Liquid	Retained	Detected in the liquid from the septic tank.

TABLE 2.3-a3
PRS 15-009(j)
RESULTS OF INORGANIC DATA REVIEW
(concluded)

Analyte	Media	Result	Rationale
Cadmium	Liquid	Retained	Detected in the liquid from the septic tank.
Calcium	Liquid	Retained	Detected in the liquid from the septic tank.
Chromium	Liquid	Retained	Detected in the liquid from the septic tank.
Cobalt	Liquid	Retained	Detected in the liquid from the septic tank.
Copper	Liquid	Retained	Detected in the liquid from the septic tank.
Iron	Liquid	Retained	Detected in the liquid from the septic tank.
Lead	Liquid	Retained	Detected in the liquid from the septic tank.
Magnesium	Liquid	Retained	Detected in the liquid from the septic tank.
Manganese	Liquid	Retained	Detected in the liquid from the septic tank.
Mercury	Liquid	Retained	Detected in the liquid from the septic tank.
Nickel	Liquid	Retained	Detected in the liquid from the septic tank.
Potassium	Liquid	Retained	Detected in the liquid from the septic tank.
Selenium	Liquid	Retained	Detected in the liquid from the septic tank.
Silver	Liquid	Retained	Detected in the liquid from the septic tank.
Sodium	Liquid	Retained	Detected in the liquid from the septic tank.
Thallium	Liquid	Eliminated	Not detected in the liquid from the septic tank.
Vanadium	Liquid	Retained	Detected in the liquid from the septic tank.
Zinc	Liquid	Retained	Detected in the liquid from the septic tank.

(b) Radionuclide Comparison with Background/Fallout Radionuclide Concentrations

Four samples of the liquid inside the septic tank at PRS 15-009(j) were collected and sent to an off-site laboratory to be analyzed for uranium. One sample was also analyzed by alpha spectroscopy. The analytical data from the RFI are presented in Appendix D-2.0.

The results of the QA/QC assessment associated with the radionuclide analyses are presented in Section C-3.0 in Appendix C. The data quality evaluation indicated that there were no QA/QC issues associated with the data set and that the data are usable. The radionuclide data were qualified as U (undetected) or no qualifiers were necessary.

Because the sample data are for a liquid medium, a comparison to background/fallout values for soil or tuff is not appropriate and background levels for water are not available. The frequency of detections and the reported range of concentrations for the radionuclides at PRS 15-009(j) are summarized in Table 2.3-b1. A summary of detection by sample is presented in Table 2.3-b2 and those radionuclides retained for further evaluation are presented in Table 2.3-b3.

TABLE 2.3-b1
PRS 15-009(j)
FREQUENCY OF DETECTED RADIONUCLIDES

Analyte	Media	Number of Samples Analyzed	Number of Detects	Concentration (pCi/L)[a]	Frequency of Detects[b]
Protactinium-231	Liquid	1	0	[-352]	0/1
Protactinium-234	Liquid	1	0	[16.6]	0/1
Protactinium-234m	Liquid	1	0	[2960]	0/1

TABLE 2.3-b1
PRS 15-009(j)
FREQUENCY OF DETECTED RADIONUCLIDES
(concluded)

Analyte	Media	Number of Samples Analyzed	Number of Detects	Concentration (pCi/L)[a]	Frequency of Detects[b]
Thorium-230	Liquid	1	0	[21.5]	0/1
Thorium-231	Liquid	1	0	[47.2]	0/1
Thorium-234	Liquid	1	0	[0]	0/1
Uranium-234	Liquid	1	0	[32.3]	0/1
Uraniuim-235	Liquid	1	0	[96.3]	0/1
Uranium-238	Liquid	1	0	[406]	0/1
Uranium	Liquid	4	2	2.5–[11] µg/L	2/4

[a] Values in square brackets indicate nondetected results, based on 3 times the counting error.
[b] Value is the ratio of the number of detected values to the number of analyses.

TABLE 2.3-b2
PRS 15-009(j)
RADIONUCLIDES DETECTED IN THE SEPTIC TANK

Analyte	Location ID	Sample ID	Sample Concentration (ug/L)	Media
Uranium	15-2345	0215-95-0013	2.5	Liquid
	15-2345	0215-95-0154	2.6	Liquid

TABLE 2.3-b3
PRS 15-009(j)
RESULTS OF RADIONUCLIDE DATA REVIEW

Analyte	Media	Result	Rationale
Protactinium-231	Liquid	Eliminated	Not detected in the liquid from the septic tank.
Protactinium-234	Liquid	Eliminated	Not detected in the liquid from the septic tank.
Protactinium-234m	Liquid	Eliminated	Not detected in the liquid from the septic tank.
Thorium-230	Liquid	Eliminated	Not detected in the liquid from the septic tank.
Thorium-231	Liquid	Eliminated	Not detected in the liquid from the septic tank.
Thorium-234	Liquid	Eliminated	Not detected in the liquid from the septic tank.
Uranium-234	Liquid	Eliminated	Not detected in the liquid from the septic tank.
Uraniuim-235	Liquid	Eliminated	Not detected in the liquid from the septic tank.
Uranium-238	Liquid	Eliminated	Not detected in the liquid from the septic tank.
Uranium	Liquid	Retained	Detected in the liquid from the septic tank.

(c) Evaluation of Organic Chemicals

Four samples of the liquid inside the septic tank at PRS 15-009(j) were collected, and one sample was sent to an off-site analytical laboratory for analysis for HE. Analyses were not conducted for volatile and semivolatile organic compounds during the RFI. The analytical data from the RFI are presented in Appendix D-2.0.

The results of the QA/QC assessment associated with the HE analysis are presented in Section C-4.0 of Appendix C. The data quality evaluation indicated that there were no QA/QC issues associated with the data set that affected data usability. Seven HE analytes (2-amino-4,6-dinitrotoluene, 4-amino-2,6-dinitroluene, m-dinitrobenzene, nitrobenzene, 2-nitrotoluene, 3-nitrotoluene, and 4-nitrotoluene) were qualified as UJ and potentially biased low because of laboratory control sample recoveries. Overall, 50% (7 results of 14) of the HE data were qualified as UJ; none were qualified as R.

No HE was detected in the liquid from the septic tank.

(d) Other Applicable Data

No other data were collected during the RFI.

2.3.5 Revised Site Conceptual Model After RFI

2.3.5.1 Nature and Extent of Contamination

PRS 15-009(j) boundaries include the area adjacent to and below the septic tank encompassing pipe connections and possible seams in the concrete that could have leaked, as well as the area adjacent to the seepage pits. All parts of this PRS were at a minimum 2-ft below grade.

The Preliminary Conceptual Model (Section 2.3.3) identified metals, uranium, and HE as COPCs. These COPCs could have been introduced into the septic tank as a result of activities in the building serviced by the system. The integrity of the septic tank and associated piping was unknown. It was hypothesized that contaminants, if any existed, should be present in the sludge of the septic tank, as this was the first settling structure in the treatment system, and should contain the highest concentrations of COPCs. A step-wise approach was followed. This included sampling the septic tank contents to determine if COPCs existed, and then assessing the results to determine the need to perform additional sampling and/or a voluntary corrective action. Although sludge was not able to be sampled due to practical constraints, results from four water samples collected from inside the septic tank showed COPCs (metals and uranium) to be present (Section 2.3.4.2). These results were consistent with the preliminary conceptual model. The extent of contamination outside the septic tank or seepage pits, however, was not determined in the RFI.

The time period of potential releases was from 1981, when the system was constructed, until the fall of 1992, when the system was abandoned due to completion of the new LANL sewer system. The nature of releases from this PRS would have been in the form of dissolved or suspended metals and uranium, and would have primarily entered the soil or tuff surrounding the seepage pits because that was the operational design of the system. If the connection piping did not maintain its integrity over this time period, or if the seams of the septic tank leaked, then contamination could have been present in soil surrounding these structures. Because metals and uranium are not very mobile relative to water (Dragun 1988, ER ID No. 57645, page 158), the extent of contamination should be detectable close to areas of the septic system that could leak (seams, broken piping) or were designed to discharge to the subsurface (seepage pits).

Sampling to determine the extent of contamination in the environment adjacent to the seepage pits was not conducted during this initial phase of characterization. Because COPCs were found in the septic tank, the conceptual model was refined to include potential contamination in the seepage pits and surrounding soil. Determining the extent of this potential contamination was one of the objectives of the sampling proposed as part of the VCA activities at this PRS.

Although organic contaminants, such as volatile organic compounds (VOCs) or semivolatile organic compounds (SVOCs), were not listed as COPCs in the RFI Work Plan (LANL 1993, ER ID 26077) and were not analyzed from samples of septic tank liquid, they could potentially be present in the septic tank,

surrounding soil, and seepage pits. Determining the nature of any organic contamination was another objective of the VCA.

The VCA Plan was designed to determine whether the constituents identified during the RFI sampling (along with additional sampling for VOCs and SVOCs) were present in the soil/tuff surrounding the septic tank and the seepage pits. The septic tank was excavated and removed as part of the VCA activities at PRS 15-009(j). Once removed, the soil and/or tuff below the inlet and outlet of the septic tank, and beneath the septic tank, could easily be sampled. During the VCA, the soil and tuff adjacent to the seepage pits associated with the septic tank were also characterized. By inference, if soil beneath the septic tank or adjacent to the seepage pits was uncontaminated, then the associated piping would be uncontaminated as well.

2.3.5.2 Environmental Fate

Based on the RFI results, metals and uranium were the COPCs. If released into the surrounding soil, metals would tend to migrate vertically and horizontally away from the introduction point. The relative migration distance of metals from the source would be less than water, and each metal's migration would depend on the specific physio-chemical properties of the metal and the soil. Speciation of individual metals would be governed by pH and redox potential (Eh) of the soil, which in turn governs the migration rate. Uranium used at PRS 15-012(b) was depleted and after explosive testing, and would have been present as the metal or oxide, which are immobile. See Section 2.2.1, under "Relation to Other PRSs" for a description of activities at PRS 15-012(b). While the specific pH and Eh of soil were not measured at this PRS, in general, metals migrate many orders of magnitude more slowly than water (Dragun 1988, ER ID No. 57645, Chapter 4). Thus, releases of metals to the subsurface soil would be readily apparent by measuring concentrations in soil adjacent to the release points. Using the phased approach, sampling and detection of metals in surrounding soil could mean that release and subsequent migration was occurring, and could lead to additional sampling to determine the extent of contamination. Radioactive constituents would behave chemically as their non-radioactive analogs, with the exception of decay, which would tend to reduce their concentration over time.

Although not sampled in the initial RFI work, and not expected based upon historical process knowledge, VOCs and SVOCs could have been present in the septic tank and/or seepage pits. Organic compounds in soil, including HE, have a range of mobilities, ranging from very mobile (such as TCE) to very immobile (such as PCBs) (Dragun 1988, ER ID 57645, Chapter 6). In a similar manner as metals, detections of organic compounds near the septic tank or seepage pits' source, could mean that a release occurred, and could lead to more extensive sampling. Unlike most metals, volatile organics (e.g., TCE) could potentially transport through the vadose zone in the vapor state. But evidence of this should be found near any leaking structures.

Biodegradation of metals does not occur. Biotransformation can act to change the speciation and/or complexation of metals (Chapelle 1993, ER ID No. 51751, Chapter 11) rendering them more or less transportable. The specifics depend on the pH, Eh, and nature of organic substances at the PRS. Biodegradation of organic compounds is a common occurrence, and can act to reduce or eliminate certain compounds (Chapelle 1993, ER ID No. 51751, Chapters 12 and 13). As with metals, the specifics of the degradation and the products produced depend on the Eh and pH of the environment, as well as on the nature of bacteria present and the occurrence of necessary substrates for the bacteria. In general, simple molecules (acetone or hydrocarbons) tend to degrade at a faster rate than larger molecules (PCB, TCE).

None of the facts regarding transport or transformation affected the conceptual model, or changed the sampling program. The VCA was designed to sample soil in the areas where contaminants could have first entered subsurface soil either at pipe joints, tank seams, or seepage pits. At these locations, contaminant concentrations would be expected to be the most elevated. Depending on the results, additional sampling and/or media removal could occur to address contaminant migration away from these source areas.

2.4 RFI Site Assessments

2.4.1 Summary

All of the analytes detected in the septic tank contents (metals and uranium) were identified as COPCs and were evaluated further as part of the VCA. Because the RFI sampling was confined to the septic tank contents, a human health screening assessment and an ecological screening assessment were not conducted. Human health and ecological screening assessments were conducted as part of the VCA activities.

A LANL-ER-AP-4.5 surface water assessment was also conducted for PRS 15-009(j). The results of this assessment indicate low erosion potential (see Appendix B-4.2.1). No groundwater issues have been identified at the site.

An underground storage tank (UST) assessment was not performed because it is not applicable to septic tanks such as PRS 15-009(j).

2.4.2 Screening Assessments

Human health and ecological screening assessments were not conducted because the contaminants identified were confined to the septic tank (see Section 3.4.2, Revised Site Conceptual Model as Influenced by Other VCA Sampling). Therefore, there are no complete exposure pathways to human or ecological receptors. All chemicals detected in the septic tank liquid were retained as COPCs and evaluated as part of the VCA activities.

2.4.2.1 Human Health

Not applicable, see Section 2.4.2, Screening Assessments

2.4.2.2 Ecological

Not applicable, see Section 2.4.2, Screening Assessments

3.0 REMEDIAL ACTIVITIES AND RESULTS OF SAMPLING

The results of the RFI investigation indicated that several inorganics were present in the liquid from the septic tank. As a result, the contents of the septic tank, as well as the septic tank itself, were removed as part of the VCA conducted at this site, and the soil and tuff near the seepage pits were sampled. The removal of the septic tank was requested by facility management to provide additional space for possible expansion of Building TA-15-285.

3.1 Cleanup Levels

As indicated in Section 2.3.4.3(a), the RFI analytical results detected metals and uranium in the liquid from the septic tank. Because the soil and tuff surrounding the tank and the seepage pits were not characterized, the COPCs in the media were unknown. Therefore, derivation of human health risk-based cleanup levels for the soil and tuff prior to the VCA was not appropriate for this PRS. Those chemicals detected in the soil, fill, and/or tuff during the VCA were compared with the appropriate BVs and the current screening action levels (SALs) or 0.1 SAL to determine if COPCs were present. Because none of the chemicals were detected either above the SALs or 0.1 SAL, the calculation of industrial soil cleanup concentrations was not required for this VCA to determine if the remedial activities were successful (see Section 3.4, Other VCA Sampling Results).

3.2 Remedial Implementation

The remedial action at PRS 15-009(j) consisted of hydrating and removing the dried sludge from the septic tank, removing the septic tank, decontaminating the interior of the septic tank, collecting samples to verify the success of the remedial action, collecting samples of soil and tuff to characterize the area around the septic tank, and conducting investigative sampling at the associated seepage pits. During excavations, drilling, and sampling, a photoionization detector (LANL 1995, ER ID 55423.1 chapter 11, section ER-HSM-IC) was used to monitor organic vapors and a pancake probe (LANL 1996, ER ID 58949.1; LANL 1995, ER ID 55423.1) was used to monitor for beta and gamma radiation. These instruments were used for health and safety monitoring only. The field effort began on August 6, 1997, at the septic tank, and concluded at the eastern seepage pit on August 12, 1997. Table 3.2-1 is a listing of samples collected during this VCA effort. Figure 3.2-1 is a site map showing the locations of samples collected during the VCA and the sample number identifiers for each sample location.

The VCA process began by removing the sludge from the septic tank using a portable vacuum tank system. The septic tank was further cleaned and pressure-rinsed with water before it was excavated to prevent any potential exposure to personnel while removal was in process. The excavation process began by removing overburden to expose the inlet and outlet ports. After locating the ports on the septic tank, a sample was collected from directly below the manifold of each port to determine if leakage had occurred. The inlet and outlet lines were cut to allow the tank to be removed; these lines were subsequently plugged with concrete. The septic tank was removed and placed in a staging area constructed for additional cleaning, waste sampling, and packaging for disposal.

Samples were collected from the soil underneath the tank. Because of the tank's construction (ridged fiberglass), an imprint of the septic tank geometry was left after tank removal. Four samples were collected from the north, south, east, and west areas of this imprint. The fiberglass septic tank was found to be intact, with no holes or cracks. No corrosion was observed on the tank, and no staining or evidence of a release was observed on the tank surface or on any of the pipe connections or parts.

During excavations, drilling, and sampling, a photoionization detector (LANL 1995, ER ID 55423.1 chapter 11, section ER-HSM-IC) was used to monitor organic vapors and a pancake probe (LANL 1996, ER ID 58949.1; LANL 1995, ER ID 55423.1) was used to monitor for beta and gamma radiation. These instruments were used for health and safety monitoring only.

While in the staging area the tank was cut in half and decontaminated by hand. Care was taken to minimize the volume of water used for decontamination. The decontamination water was contained in each tank half, and poured into 55-gallon drums for subsequent disposal (see Section 4.0, Waste Management). Samples were collected from the final rinsate and submitted to an offsite analytical laboratory for waste characterization.

After the septic tank was removed and samples obtained, the excavation was backfilled and work began at the west seepage pit. Drilling to 60 ft was conducted at the west seepage pit on August 11, 1997. The initial drilling location and first sample collected (sample location 15-2588) was directly underneath the inlet pipe inside the pit; however, due to the extensive cobble in the seepage pit, the drill rig encountered refusal. The augers were shifted 4 ft to the south of the original location, and a new location number was assigned to samples collected (sample location 15-2590). In accordance with the VCA plan presented to NMED (ER Project 1997, ER ID 56385), samples were collected at the boreholes adjacent to this seepage pit and submitted to an offsite analytical laboratory. The VCA plan specified three sample collection depths at 3 ft, 20 ft, and 60 ft (Appendix I, page 3, Table 3.1-1). One additional depth sample was collected at 12.5 to 15 ft due to the observation of a clay-filled fracture, for a total of 4 samples.

TABLE 3.2-1
PRS 15-009(j)
SUMMARY OF SAMPLES COLLECTED DURING THE VCA FOR FIXED-LABORATORY ANALYSIS[a]

Location ID	Sample ID	Sample Type	Depth (in.)	Media	TAL Metals	Isotopic Uranium	HE	SVOCs	VOCs	Other
West Seepage Pit										
15-2588	0215-97-0013	Grab	36-42	Soil	3554R	3555R	3553R	3552R	3552R	
15-2588	0215-97-0014*	Dup	36-42	Soil	3554R	3555R	3553R	3552R	3552R	
15-2590	0215-97-0102	Grab	150-180	Qbt 2,3,4	3554R	3555R	3553R	3552R	3552R	
15-2590	0215-97-0015	Grab	240-246	Qbt 2,3,4	3554R	3555R	3553R	3552R	3552R	
15-2590	0215-97-0016	Grab	708-714	Qbt 2,3,4	3560R	3561R	3559R	3558R	3558R	
East Seepage Pit										
15-2589	0215-97-0017	Grab	36-42	Soil	3560R	3561R	3559R	3558R	3558R	
15-2591	0215-97-0103	Grab	144-150	Qbt 2,3,4	3560R	3561R	3559R	3558R	3558R	
15-2591	0215-97-0018	Grab	228-234	Qbt 2,3,4	3560R	3561R	3559R	3558R	3558R	
15-2591	0215-97-0019	Grab	708-714	Qbt 2,3,4	3560R	3561R	3559R	3558R	3558R	
Septic Tank Inlet										
15-2582	0215-97-0006	Grab	42-46	Soil	3516R	3512R	3511R	3515R	3515R	
15-2582	0215-97-0007*	Dup	42-46	Soil	3516R	3512R	3511R	3515R	3515R	
Septic Tank Outlet										
15-2583	0215-97-0008	Grab	40-44	Soil	3516R	3512R	3511R	3515R	3515R	
Septic Rinsate[f]	0215-97-0002	Grab	NA[b]	Liquid	3565R	3566R	3564R	3563R	3563R	3566R[c]
	0215-97-0003*	Dup	NA	Liquid	3565R	3566R	3564R	3563R	3563R	
Septic Sludge[f]	0215-97-0004	Grab	NA	Sludge	3596R[d]	3597R	3595R	3594R	3594R	3597R[e]
Underneath Tank										
North, 15-2584	0215-97-0009	Grab	88-94	Fill	3516R	3512R	3511R	3515R	3515R	
South, 15-2585	0215-97-0010	Grab	90-96	Fill	3516R	3512R	3511R	3515R	3515R	
East, 15-2586	0215-97-0011	Grab	90-96	Fill	3516R	3512R	3511R	3515R	3515R	
West, 15-2587	0215-97-0012	Grab	89-95	Fill	3516R	3512R	3511R	3515R	3515R	
Decontamination[f] Water	0215-97-0005	Grab	NA	Liquid	3600R[d]	3601R	3599R	3598R	3598R	3601R[e]

* Field Duplicate Samples
[a] Numbers in the cells for each analytical suite are request numbers.
[b] NA - Not applicable
[c] Gross alpha, beta.
[d] TCLP Metals
[e] Gross alpha, beta, gamma; gamma scan, tritium
[f] For waste characterization purposes only.

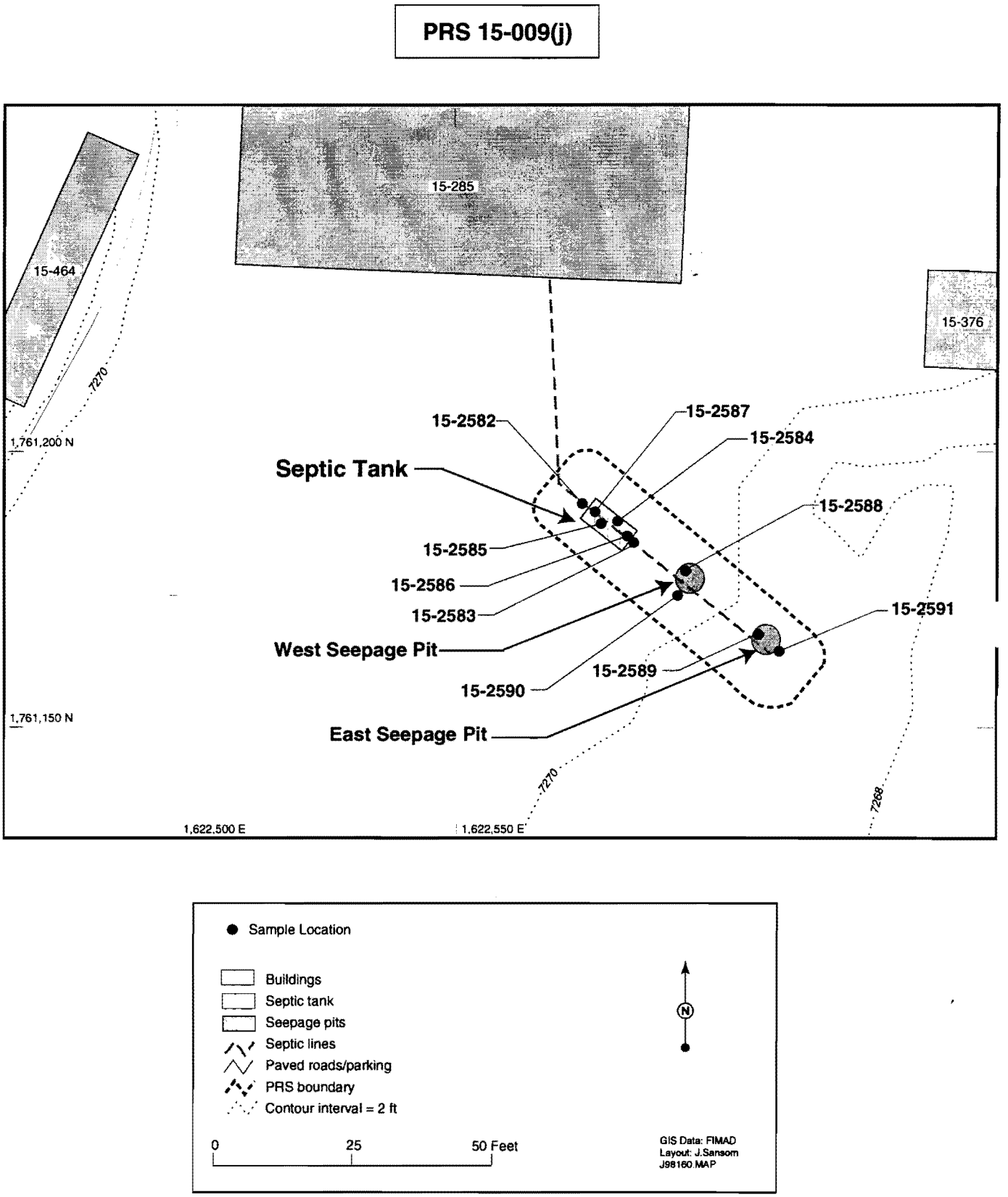

Figure 3.2-1. Site map of sample locations for VCA confirmatory sampling at PRS 15-009(j).

Drilling to 60 ft began at the east seepage pit on August 12, 1997. As with the west seepage pit, the initial drilling location and first sample collected (sample location 15-2589) were directly underneath the outlet pipe inside the pit; however, due to the extensive cobble in the bottom of the seepage pit, the drill rig shifted 4 ft away from the original location and a new location number was assigned to samples collected (sample location 15-2591). Samples were collected at four depths from the boreholes adjacent to this seepage pit in order to correspond to the number and depth of samples collected from the west seepage pit even though a fracture was not observed. All samples were submitted to an offsite analytical laboratory.

During excavation, sampling, and drilling, radiological screening using a pancake probe and organic vapor screening was conducted. The instrument readings were not recorded, and used for health and safety purposes only.

3.3 Confirmatory Sampling Results

The samples presented in Section 3.4, Other VCA Sampling Results, serve as the confirmatory samples collected after the septic tank was removed.

3.4 Other VCA Sampling Results

Samples were collected from ten sample locations (Figure 3.2-1). Seven samples (six sample locations) were collected from the area around and beneath the septic tank, in accordance with the VCA Plan (ER Project 1997, ER ID No. 56385) (Appendix I, page 6, Section 5). The material sampled beneath the inlet and outlet of the septic tank was soil, while the material beneath the septic tank was fill material primarily crushed tuff with lesser amounts of sand, soil, and base course. The inorganic and isotopic uranium results for the soil samples were compared to the BVs for soil, while the results from the fill material were compared with the BVs for tuff. Nine samples (four sample locations) were collected from the 60 ft boreholes drilled adjacent to the two seepage pits associated with the septic tank. These samples were collected at depths of approximately 3 ft, 12 ft, 20 ft, and 59 ft adjacent to each seepage pit. The media sampled for these samples were either soil at 3 ft or tuff (Qbt 2,3,4) at 12–59 ft. The inorganic and isotopic uranium results for these samples were compared with the appropriate BVs. In addition, the core obtained from the west seepage pit (sample location 15-2590, the seepage pit closest to the septic tank) was found to have a clay-filled fracture. This fracture was sampled along its length (12.5–15 ft) and analyzed for the same analytical suites as the other samples. Samples collected from the boreholes adjacent to the seepage pits at 12 ft and from 12.5–15 ft (clay-filled fracture) were additional samples not originally proposed in the approved VCA Plan (ER Project 1997, ER ID 56385). The data are presented in Appendix D-2.0.

3.4.1 Data Review of Other VCA Sampling

(a) Inorganic Chemical Comparison with Background

Sixteen samples (seven samples from around the septic tank and four or five samples adjacent to the seepage pits), including two field duplicates, were collected. These samples were sent to off-site analytical laboratories for analysis for TAL metals (see Appendix D-1.0 for a complete list of the analytes). The analytical results for these samples were evaluated to determine whether inorganics were present in the soil at concentrations above background. An abridged version of the analytical data is provided in Appendix D and the complete data have been submitted to the AA in electronic format.

A detailed discussion of the results of the QA/QC assessment associated with the inorganic analyses is presented in Section C-2.0, Appendix C. The data quality evaluation indicated that there were no QA/QC issues associated with the data sets that affected data usability. Several metals were qualified as either UJ or J- based on spike recoveries. Antimony and selenium were potentially biased low in 7 samples, while manganese was potentially biased low in 12 samples. In addition, beryllium and thallium were

detected in the preparation blanks for nine and five samples, respectively. Five of the sample values for beryllium and all of the thallium sample values were less than five times the concentrations detected in the blanks, indicating that the detections might be the result of blank contamination. These sample values were considered to be undetected and were qualified as U, while the remaining beryllium values were detects and were not qualified. Overall, 7.1% (26 of 368 sample results) of the inorganic data were qualified as either UJ (of 368 results) or J- (12 of 368 results); none of the inorganic data were qualified as R. The remaining inorganic data were either qualified as U or no qualification was necessary.

The data qualified as UJ or J- are considered to be estimated values because the associated QC data did not meet specifications. The data are still usable because the associated QC samples were not badly deficient and the other QC data were acceptable. The qualification of the data as either UJ or J- indicates uncertainty in the reported concentration, but not in the identity of the analytes. The Risk Assessment Guidance for Superfund, Part A (EPA 1989, ER ID No. 8020) and the Guidance for Data Usability in Risk Assessment (Part A) (EPA 1992a, ER ID No. 54947) states that these data can and should be used in a risk assessment in the same manner as data with no qualification, provided the uncertainty associated with the data is noted. The samples were collected from several locations beneath the septic tank and below the inlet and outlet. Because there was no evidence of a leak/spill in the imprint of the tank and the tank's integrity had not been compromised, the data are adequate to determine if a release had occurred from the septic tank.

The BVs used in the background comparisons included values for soil for the material sampled below the inlet and outlet and for tuff (Qbt 2,3,4) for the medium sampled beneath the septic tank. The BVs for soil and tuff (Qbt 2,3,4) were used in the comparisons for the media sampled in the boreholes adjacent to the seepage pits. The fill material around the septic tank consisted primarily of crushed tuff, with lesser amounts of sand, soil, and base course, which is best represented by the tuff BVs. The BVs for these media were obtained from, "Inorganic and Radionuclide Background Data for Soils, Sediments, and Bandelier Tuff at LANL" (Ryti et al. 1998, ER ID 58093). The analytical and sample preparation methods used in analyzing the samples collected during the VCA were comparable to the methods used to determine the background data set with the following exceptions. The antimony, cadmium, silver, and thallium site data were produced by inductively coupled plasma emission spectroscopy (ICPES), which might result in elevated detection limits compared to the background data produced by inductively coupled plasma mass spectroscopy (ICPMS).

The frequencies of detection and the reported range of concentrations for detected inorganics at PRS 15-009(j) are summarized in Table 3.4-a1. Also included is a summary of those inorganics that were reported as undetected (i.e., less than the estimated detection limit), but had detection limits above the BV. The table includes only data for detected analytes and analytes with detection limits greater than BVs, while nondetected analytes are included in Appendix D-2.0. Seventeen inorganics were detected in at least one of the media sampled at this PRS (soil, fill, or tuff). Two inorganics (barium and chromium) were detected above the BV for tuff. The other inorganics were either undetected or detected below the soil BVs in the samples collected from beneath the inlet and outlet of the septic tank and below the tuff BVs in the samples collected from beneath the septic tank and from the boreholes adjacent to the seepage pits. Five inorganics (antimony, cadmium, mercury, silver, and thallium) were undetected in the soil samples, but had detection limits above their respective soil BVs in three to six samples. Three inorganics (antimony, silver, and thallium) were undetected in the fill material, but had detection limits above their respective tuff BVs in four samples. Three inorganics (antimony, selenium, and thallium) were undetected in the tuff samples from the boreholes, but had detection limits above their respective tuff BVs in one to six samples. The elevated detection limits were the result of the analytical methods (ICPES and Cold Vapor Atomic Absorption [CVAA]) and were not due to matrix interference or sample dilution.

TABLE 3.4-a1
PRS 15-009(j)
FREQUENCY OF DETECTED INORGANIC CHEMICALS

Analyte	Media	Number of Analyses	Number of Detects	Concentration Range (mg/kg)[a]	Background Value (mg/kg)	Frequency of Detects Above Background Values[b]
Aluminum	Soil	6	6	7100–17200	29200	0/6
	Fill	4	4	1600–3500	7340	0/4
	Qbt 2,3,4	6	6	318–4600	7340	0/6
Antimony	Soil	6	0	[0.73–11]	0.83	DL>BV[c]
	Fill	4	0	[10]	0.5	DL>BV[c]
	Qbt 2,3,4	6	0	[0.72–0.78]	0.5	DL>BV[c]
Arsenic	Soil	6	6	1.2–4.6	8.17	0/6
	Qbt 2,3,4	6	6	1.4–2.5	2.79	0/6
Barium	Soil	6	6	100–206	295	0/6
	Fill	4	4	29–59	46	2/4
	Qbt 2,3,4	6	6	5.8–36.4	46	0/6
Beryllium	Soil	6	6	0.6–1.5	1.83	0/6
	Qbt 2,3,4	6	1	[0.3]–0.98	1.21	0/6
Cadmium	Soil	6	0	[0.09–0.57]	0.4	DL>BV[c] (for 3/6 results)
Calcium	Soil	6	6	2200–2780	6120	0/6
	Fill	4	4	1300–2100	2200	0/4
	Qbt 2,3,4	6	6	183–1600	2200	0/6
Chromium	Soil	6	6	5.5–9.2	19.3	0/6
	Fill	4	4	2.8–8.2	7.14	1/4
	Qbt 2,3,4	6	6	0.74–5.9	7.14	0/6
Cobalt	Soil	6	6	3.4–6.2	8.64	0/6
	Fill	4	4	1.3–3.1	3.14	0/4
	Qbt 2,3,4	6	6	0.7–1.9	3.14	0/6
Copper	Soil	6	6	5–7.3	14.7	0/6
	Fill	4	4	2.8–3.8	4.66	0/4
	Qbt 2,3,4	6	6	0.3–3.6	4.66	0/6
Iron	Soil	6	6	8300–15400	21500	0/6
	Fill	4	4	3600–5800	14500	0/4
	Qbt 2,3,4	6	6	3580–8650	14500	0/6
Lead	Soil	6	6	9.1–16	22.3	0/6
	Fill	4	4	2.6–6	11.2	0/4
	Qbt 2,3,4	6	6	1.4–8.7	11.2	0/6

TABLE 3.4-a1
PRS 15-009(j)
FREQUENCY OF DETECTED INORGANIC CHEMICALS
(Concluded)

Analyte	Media	Number of Analyses	Number of Detects	Concentration Range (mg/kg)[a]	Background Value (mg/kg)	Frequency of Detects Above Background Values[b]
Magnesium	Soil	6	6	1500–2630	4610	0/6
	Fill	4	4	560–920	1690	0/4
	Qbt 2,3,4	6	6	80.4–1470	1690	0/6
Manganese	Soil	6	6	170–380	671	0/6
	Fill	4	4	94–240	482	0/4
	Qbt 2,3,4	6	6	85.9–192	482	0/6
Mercury	Soil	6	0	[0.02–0.11]	0.1	DL>BV[c] (for 3/6 results)
Nickel	Soil	6	6	4.5–9.1	15.4	0/6
	Fill	4	4	2.9–5.5	6.58	0/4
	Qbt 2,3,4	6	6	0.6–4.5	6.58	0/6
Potassium	Soil	6	6	1100–2260	3460	0/6
	Fill	4	4	380–630	3500	0/4
	Qbt 2,3,4	6	6	192–1040	3500	0/6
Selenium	Fill	4	0	[1]	0.3	DL>BV[c]
	Qbt 2,3,4	6	0	[0.57–0.62]	0.3	DL>BV[c]
Silver	Soil	6	0	[0.26–2.3]	1	DL>BV[c] (for 3/6 results)
	Fill	4	0	[2.1–2.2]	1	DL>BV[c]
Sodium	Soil	6	6	120–240	915	0/6
	Fill	4	4	82–120	2770	0/4
	Qbt 2,3,4	6	6	141–430	2770	0/6
Thallium	Soil	6	0	[0.47–1.6]	0.73	DL>BV[c] (for 4/6 results)
	Fill	4	0	[1.3–1.4]	1.1	DL>BV[c]
	Qbt 2,3,4	6	0	[0.5–1.2]	1.1	DL>BV[c] (for 1/6 results)
Vanadium	Soil	6	6	14–23.5	39.6	0/6
	Fill	4	4	7.8–12	17	0/4
	Qbt 2,3,4	6	6	1.8–7.1	17	0/6
Zinc	Soil	6	6	21–36.1	48.8	0/6
	Fill	4	4	12–19	63.5	0/4
	Qbt 2,3,4	6	6	17–34.8	63.5	0/6

[a] Values in square brackets indicate nondetected results.
[b] Value is the ratio of the number of detects exceeding the BV to the number of analyses.
[c] The detection limit for this analyte exceeded the background values.

The samples in which inorganics were detected or had detection limits above their BVs are presented in Table 3.4-a2. The inorganics that were either detected below their BVs or had detection limits less than their BVs were not evaluated further and not presented in the table. The data sets for the fill material that had detected concentrations of barium and chromium above the tuff BVs did not have enough samples to do a statistical comparison with the background data sets. A comparison of the detected concentrations of barium with the range of BVs for this inorganic indicated that one barium value (47 mg/kg) was within the range of tuff background values (1.4–51.6 mg/kg), while one concentration was outside the range (59 mg/kg). A comparison of the detected concentrations of chromium with the range of BVs for this inorganic chemical indicated that the chromium value (8.2 mg/kg) was within the range of tuff background values (0.6–13 mg/kg). Therefore, based on the comparison with background, antimony, barium, cadmium, mercury, selenium, silver, and thallium were identified as COPCs (Table 3.4-a3) and carried forward to the screening evaluation, Section 3.4.3, Site Assessment of Other VCA Sampling. Of these COPCs, barium was the only analyte detected above the BV.

TABLE 3.4-a2
PRS 15-009(j)
INORGANIC CHEMICALS WITH CONCENTRATIONS AT OR EXCEEDING BACKGROUND VALUES[a]

Analyte	Location ID	Sample ID	Sample Concentration (mg/kg)[b]	Background Value (mg/kg)	Media	Depth (ft)
Antimony	15-2582	0215-97-0006	11(UJ)	0.83	Soil	4
	15-2582	0215-97-0007	11(UJ)	0.83	Soil	4
	15-2583	0215-97-0008	11(UJ)	0.83	Soil	4
	15-2584	0215-97-0009	10(UJ)	0.5	Fill	8
	15-2585	0215-97-0010	10(UJ)	0.5	Fill	8
	15-2586	0215-97-0011	10(UJ)	0.5	Fill	8
	15-2587	0215-97-0012	10(UJ)	0.5	Fill	8
	15-2590	0215-97-0102	0.78(U)	0.5	Qbt 2,3,4	12.5–15
	15-2591	0215-97-0103	0.75(U)	0.5	Qbt 2,3,4	12
	15-2591	0215-97-0018	0.75(U)	0.5	Qbt 2,3,4	20
	15-2591	0215-97-0019	0.72(U)	0.5	Qbt 2,3,4	59
Barium	15-2584	0215-97-0009	59	46	Fill	8
Cadmium	15-2582	0215-97-0006	0.57(U)	0.4	Soil	4
	15-2582	0215-97-0007	0.54(U)	0.4	Soil	4
	15-2583	0215-97-0008	0.52(U)	0.4	Soil	4

TABLE 3.4-a2
PRS 15-009(j)
INORGANIC CHEMICALS WITH CONCENTRATIONS AT OR EXCEEDING BACKGROUND VALUES[a]
(Continued)

Analyte	Location ID	Sample ID	Sample Concentration (mg/kg)[b]	Background Value (mg/kg)	Media	Depth (ft)
Mercury	15-2582	0215-97-0006	0.11(U)	0.1	Soil	4
	15-2582	0215-97-0007	0.11(U)	0.1	Soil	4
	15-2583	0215-97-0008	0.11(U)	0.1	Soil	4
Selenium	15-2584	0215-97-0009	1(U)	0.3	Fill	8
	15-2585	0215-97-0010	1(UJ)	0.3	Fill	8
	15-2586	0215-97-0011	1(UJ)	0.3	Fill	8
	15-2587	0215-97-0012	1(UJ)	0.3	Fill	8
Selenium	15-2590	0215-97-0102	0.62(U)	0.3	Qbt 2,3,4	12.5–15
	15-2590	0215-97-0016	0.57(U)	0.3	Qbt 2,3,4	59
	15-2590	0215-97-0015	0.61(U)	0.3	Qbt 2,3,4	20
	15-2591	0215-97-0103	0.6(U)	0.3	Qbt 2,3,4	12
	15-2591	0215-97-0018	0.59(U)	0.3	Qbt 2,3,4	20
	15-2591	0215-97-0019	0.57(U)	0.3	Qbt 2,3,4	59
	15-2583	0215-97-0008	2.3(U)	1	Soil	4
	15-2584	0215-97-0009	2.1(U)	1	Fill	8
	15-2585	0215-97-0010	2.1(U)	1	Fill	8
	15-2586	0215-97-0011	2.1(U)	1	Fill	8
	15-2587	0215-97-0012	2(U)	1	Fill	8
Thallium	15-2582	0215-97-0006	1.5(U)	0.73	Soil	4
	15-2582	0215-97-0007	1.5(U)	0.73	Soil	4
	15-2583	0215-97-0008	1.4(U)	0.73	Soil	4
	15-2584	0215-97-0009	1.4(U)	1.1	Fill	8

TABLE 3.4-a2
PRS 15-009(j)
INORGANIC CHEMICALS WITH CONCENTRATIONS AT OR EXCEEDING BACKGROUND VALUES[a]
(Continued)

Analyte	Location ID	Sample ID	Sample Concentration (mg/kg)[b]	Background Value (mg/kg)	Media	Depth (ft)
Thallium	15-2585	0215-97-0010	1.3(U)	1.1	Fill	8
	15-2586	0215-97-0011	1.4(U)	1.1	Fill	8
	15-2587	0215-97-0012	1.3(U)	1.1	Fill	8
	15-2590	0215-97-0016	1.2(U)	1.1	Qbt 2,3,4	59
	15-2589	0215-97-0017	1.6(U)	0.73	Soil	3

[a] Descriptions of the analytical methods used for this PRS can be found in Appendix C-1, Table c-1.0-1. Detection limits can be found in Appendix D-1, Table D-1.0-1.
[b] Data qualifiers are defined in the Glossary, Appendix A-2.

TABLE 3.4-a3
PRS 15-009(j)
RESULTS OF INORGANIC DATA REVIEW

Analyte	Media	Result	Rationale
Antimony	Soil	Retained	Not detected in any samples. Retained as COPC because the sample detection limits in some samples exceeded the BV and were above the upper end of the range of nondetected values in the background data set.
	Fill	Retained	Not detected in any samples. Retained as COPC because the sample detection limits in some samples exceeded the BV and were above the upper end of the range of nondetected values in the background data set.
	Qbt 2,3,4	Retained	Not detected in any samples. Retained as COPC because the sample detection limits in some samples exceeded the BV and were above the upper end of the range of nondetected values in the background data set.
Barium	Soil	Eliminated	Not detected above the BV in any sample.
	Fill	Retained	Retained as COPC because one sample value exceeded the BV.
	Qbt 2,3,4	Eliminated	Not detected above the BV in any sample.
Cadmium	Soil	Retained	Not detected in any samples. Retained as COPC because the sample detection limits in some samples exceeded the BV and were above the upper end of the range of nondetected values in the background data set.
	Fill	Eliminated	Not detected above the BV in any sample.
	Qbt 2,3,4	Eliminated	Not detected above the BV in any sample.

TABLE 3.4-a3
PRS 15-009(j)
RESULTS OF INORGANIC DATA REVIEW
(Concluded)

Analyte	Media	Result	Rationale
Chromium	Soil	Eliminated	Not detected above the BV in any sample.
	Fill	Eliminated	Either not detected or the detected values were within the range of detected values in the background data set.
	Qbt 2,3,4	Eliminated	Not detected above the BV in any sample.
Mercury	Soil	Retained	Not detected in any samples. Retained as COPC because the sample detection limits in some samples exceeded the BV.
	Fill	Eliminated	Not detected in any sample. Eliminated as COPC because sample detection limits did not exceed the BV.
	Qbt 2,3,4	Eliminated	Not detected in any sample. Eliminated as COPC because sample detection limits did not exceed the BV.
Selenium	Soil	Eliminated	Not detected in any sample. Eliminated as COPC because sample detection limits did not exceed the BV.
	Fill	Eliminated	Not detected in any sample. Eliminated as COPC because sample detection limits did not exceed the BV.
	Qbt 2,3,4	Retained	Not detected in any samples. Retained as COPC because the sample detection limits in some samples exceeded the BV and were above the upper end of the range of nondetected values in the background data set.
Silver	Soil	Retained	Not detected in any samples. Retained as COPC because the sample detection limits in some samples exceeded the BV and were above the upper end of the range of nondetected values in the background data set.
Silver	Fill	Retained	Not detected in any samples. Retained as COPC because the sample detection limits in some samples exceeded the BV and were above the upper end of the range of nondetected values in the background data set.
	Qbt 2,3,4	Eliminated	Not detected in any sample. Eliminated as COPC because sample detection limits did not exceed the BV.
Thallium	Soil	Retained	Not detected in any samples. Retained as COPC because the sample detection limits in some samples exceeded the BV and were above the upper end of the range of nondetected values in the background data set.
	Fill	Retained	Not detected in any samples. Retained as COPC because the sample detection limits in some samples exceeded the BV and were above the upper end of the range of nondetected values in the background data set.
	Qbt 2,3,4	Retained	Not detected in any samples. Retained as COPC because the sample detection limits in some samples exceeded the BV and were above the upper end of the range of nondetected values in the background data set.

(b) Radionuclide Comparison with Background/Fallout Radionuclide Concentrations

Sixteen samples (seven samples from around the septic tank and four or five samples adjacent to the seepage pits), including two field duplicates, were collected during the VCA at PRS 15-009(j). These

samples were sent to off-site analytical laboratories for analysis of isotopic uranium (see Appendix D-1.0 for a complete list of the analytes). The analytical results for these samples were evaluated to determine whether isotopic uranium was present in the soil at concentrations above background. An abridged version of the analytical data is provided in Appendix D and the complete data have been submitted to the AA in electronic format.

The radionuclide data collected for this PRS as part of the VCA did not have any QA/QC issues associated with the analyses. As a result, the data were either qualified as U or no other qualification was necessary.

The BVs used in the background comparisons included values for soil for the material sampled below the inlet and outlet and for tuff (Qbt 2,3,4) for the material sampled beneath the septic tank. Background values for soil and tuff (Qbt 2,3,4) were used in the comparisons for the media sampled in the boreholes adjacent to the seepage pits. The fill material around the septic tank consisted primarily of crushed tuff, with lesser amounts of sand, soil, and base course, which is best represented by the tuff BVs. The BVs for these media were obtained from, "Inorganic and Radionuclide Background Data for Soils, Sediments, and Bandelier Tuff at LANL" (Ryti et al. 1998, ER ID 58093). The analytical and sample preparation methods used in analyzing the samples collected during the VCA were comparable to the methods used to determine the background data set.

The frequencies of detection and the reported ranges of concentrations for isotopic uranium at PRS 15-009(j) are summarized in Table 3.4-b1. The table includes only data for detected analytes, while nondetected analytes are included in Appendix D-2.0.

TABLE 3.4-b1
PRS 15-009(j)
FREQUENCY OF DETECTED RADIONUCLIDES

Analyte	Media	Number of Analyses	Number of Detects	Concentration Range (pCi/g)[a]	Background/ Fallout Value (pCi/g)	Frequency of Detects Above Background Value/Fallout[b]
Uranium-234	Soil	6	6	0.56–0.84	2.59	0/6
	Fill	4	3	[0.45]–0.54	1.98	0/4
	Qbt 2,3,4	6	3	0.3–1.6	1.98	0/6
Uranium-238	Soil	6	6	0.57–1.5	2.29	0/6
	Fill	4	4	0.5– 0.58	1.93	0/4
	Qbt 2,3,4	6	4	0.26–1.1	1.93	0/6

[a] Values in square brackets indicate nondetected results.
[b] Value is the ratio of the number of detects exceeding the BV to the number of analyses.

Uranium-234 and uranium-238 were either undetected or detected below the soil BVs in all of the samples, regardless of the medium. Uranium-235 was either undetected, detected below the BV, or, for three samples, reported as undetected but with detection limits above the BV. These three sample results were qualified as U because the results were below the minimum detectable activity for these samples (see Appendix C-3.0). Based on the comparison with background, isotopic uranium was not identified as a COPC (Table 3.4-b2) and was not carried forward to the screening evaluation.

TABLE 3.4-b2
PRS 15-009(j)
RESULTS OF RADIONUCLIDE DATA REVIEW

Analyte	Media	Result	Rationale
Uranium-234	Soil	Eliminated	Not detected above the BV in any sample.
	Fill	Eliminated	Not detected above the BV in any sample.
	Qbt 2,3,4	Eliminated	Not detected above the BV in any sample.
Uranium-235	Soil	Eliminated	Not detected above the BV in any sample.
	Fill	Eliminated	Not detected above the BV in any sample.
	Qbt 2,3,4	Eliminated	Either not detected above the BV or reported at levels below the MDA.
Uranium-238	Soil	Eliminated	Not detected above the BV in any sample.
	Fill	Eliminated	Not detected above the BV in any sample.
	Qbt 2,3,4	Eliminated	Not detected above the BV in any sample.

(c) Evaluation of Organic Chemicals

Sixteen samples (seven samples from around the septic tank and four or five samples adjacent to the seepage pits), including two field duplicates, were collected during the VCA at PRS 15-009(j). These samples were sent to off-site analytical laboratories for analysis of SVOCs, VOCs, and HE (see Appendix D-1.0 for a complete list of the analytes). The analytical results for these samples were evaluated to determine whether these organic compounds were present in the soil. This section only includes the data for detected organic analytes, while results for nondetected analytes are included in Appendix D-2.0. The detected organic chemicals were measured at concentrations either greater than or less than their respective estimated quantitation limits (EQLs). The EQL is not equivalent to the method detection limit (MDL) and can be 5 to 10 times greater than this limit. The EQLs and MDLs are both analyte-specific and sample-matrix dependent. An abridged version of the analytical data is provided in Appendix D and the complete data have been submitted to the AA in electronic format.

A detailed discussion of the results of the QA/QC assessment associated with the organic analyses are presented in Section C-4.0, Appendix C. The data quality evaluation indicated that there were no QA/QC issues associated with the data sets that affected data usability. Acetone was qualified as J in six samples and potentially biased low because it was detected at concentrations below the EQL. In addition, bis(2-ethylhexyl)phthalate and methylene chloride, common laboratory contaminants, were detected in the laboratory blanks for five and two samples, respectively. The sample values for both analytes were less than 10 times the concentrations detected in the blanks, indicating that the detections might be the result of blank contamination. These sample values were considered to be undetected and were qualified as U. Overall, 0.3% (6 of 2352 sample results) of the organic data were qualified as J; 0.6% (6 of 992 sample results) of the VOC data were qualified as J and none of the SVOC or HE data were qualified as J. The remaining organic sample results were qualified as U, or no qualifers were necessary; none were qualified as either UJ or R.

The data qualified as J are considered to be estimated values because the analyte was detected below the EQL. The data are still usable because the associated QC data were not deficient. The qualification of the data as J indicates uncertainty in the reported concentration, but not in the identity of the analyte. The Risk Assessment Guidance for Superfund, Part A (EPA 1989, ER ID No. 8020) and the Guidance for Data Usability in Risk Assessment (Part A) (EPA 1992, ER ID No. 54947) states that these data can and should be used in a risk assessment the same as data with no qualification, provided the uncertainty associated with the data are noted. Because there was no evidence of a leak or spill in the imprint of the septic tank

and the tank integrity had not been compromised, the data are adequate to determine if a release had occurred from the septic tank.

The frequencies of detection and the reported ranges of concentrations for detected organics analyzed at PRS 15-009(j) are summarized in Table 3.4-c1. Toluene was detected in one sample collected under the septic tank at a concentration of 0.008 mg/kg but was not detected in the associated field duplicate. Acetone was detected in two samples collected under the septic tank at concentrations of 0.04 mg/kg. Acetone and methylene chloride were detected in samples collected from the boreholes adjacent to the seepage pits. Detected acetone concentrations ranged from 0.004 mg/kg to 0.008 mg/kg in the west seepage pit and from 0.007 mg/kg to 0.01 mg/kg in the east seepage pit. However, acetone was not detected in the field duplicate sample collected from the west seepage pit (sample ID 0215-97-0014). Methylene chloride was detected from 0.07 mg/kg to 0.1 mg/kg in the west seepage pit and was undetected in the east seepage pit (EQLs = 0.005 - 0.006 mg/kg). No other organic compounds were detected in the media associated with this PRS.

TABLE 3.4-c1
PRS 15-009(j)
FREQUENCY OF DETECTED ORGANIC CHEMICALS

Analyte	Media	Number of Analyses	Number of Detects	Concentration Range (mg/kg)[a]	EQL (mg/kg)	Frequency of Detects[b]
Acetone	Soil	6	2	0.004–[0.02]	0.02	2/6
	Fill	4	2	[0.02]–0.04	0.02	2/4
	Qbt 2,3,4	6	4	0.005–[0.02]	0.02	4/6
Methylene chloride	Soil	6	2	[0.006]–0.1	0.006	2/6
	Qbt 2,3,4	6	2	[0.003]–0.08	0.003	2/6
Toluene	Soil	6	1	[0.005]–0.008	0.005	1/6

[a] Values in square brackets indicate nondetected results.
[b] Value is the ratio of the number of detects to the number of analyses.

The samples in which organic chemicals were detected in the soil, fill, and/or tuff are presented in Table 3.4-c2. Toluene and acetone were detected in one or two samples beneath the septic tank at concentrations slightly above the EQLs (0.006 and 0.02 mg/kg, respectively). Although these VOCs were not detected in the method blanks associated with these samples, these analytes have been known to be laboratory contaminants and might be present as a result of blank contamination by the off-site analytical laboratory rather than site activities. The suggestion of potential laboratory contamination is reinforced by the non-reproducible field duplicate results for acetone and toluene. Similarly, the analytical results from the boreholes adjacent to the seepage pits had low-level detections of methylene chloride and/or acetone (0.1 mg/kg or less and 0.01 mg/kg or less, respectively) in several samples (Table 3.4-c2). Both acetone and methylene chloride are common laboratory contaminants and might have been detected as a result of laboratory contamination and not as a result leakage from the septic tank. Based on the evaluation of organic chemicals, acetone, methylene chloride, and toluene were identified as COPCs and were carried forward to the screening evaluation (Table 3.4-c3), Section 3.4.3, Site Assessment of Other VCA Sampling.

TABLE 3.4-c2
PRS 15-009(j)
DETECTED ORGANIC CHEMICALS[a]

ANALYTE	Location ID	Sample ID	Sample Concentration (mg/kg)[b]	Media	Depth (ft)
Acetone	15-2584	0215-97-0009	0.04	Fill	8
	15-2585	0215-97-0010	0.04	Fill	8
	15-2588	0215-97-0013	0.004(J)	Soil	3
	15-2590	0215-97-0015	0.005(J)	Qbt 2,3,4	20
	15-2590	0215-97-0016	0.008(J)	Qbt 2,3,4	59
	15-2589	0215-97-0017	0.009(J)	Soil	3
	15-2591	0215-97-0018	0.01(J)	Qbt 2,3,4	20
	15-2591	0215-97-0019	0.007(J)	Qbt 2,3,4	59
Methylene chloride	15-2588	0215-97-0013	0.1	Soil	3
	15-2588	0215-97-0102	0.08	Soil	3
	15-2590	0215-97-0015	0.08	Qbt 2,3,4	12.5–15
	15-2590	0215-97-0016	0.07	Qbt 2,3,4	20
Toluene	15-2582	0215-97-0006	0.008	Soil	4

[a] Descriptions of the analytical methods used for this PRS can be found in Appendix C-1, Table c-1.0-1. Detection limits can be found in Appendix D-1, Table D-1.0-1.
[b] Data qualifiers are defined in the Glossary, Appendix A-2.

TABLE 3.4-c3
PRS 15-009(j)
RESULTS OF ORGANIC DATA REVIEW

Analyte	Media	Result	Rationale
Acetone	Soil	Retained	Detected in soil from the boreholes adjacent to the seepage pits.
	Fill	Retained	Detected at two locations in the soil beneath the septic tank.
	Qbt 2,3,4	Retained	Detected at various depths in the boreholes adjacent to the seepage pits.
Methylene chloride	Soil	Retained	Detected in the soil from one of the boreholes adjacent to the seepage pits.
	Qbt 2,3,4	Retained	Detected at various depths in one of the boreholes adjacent to the seepage pits.
Toluene	Soil	Retained	Detected at one location in the soil beneath the septic tank.

3.4.2 Revised Site Conceptual Model as Influenced by Other VCA Sampling

3.4.2.1 Nature and Extent of Contamination

The Revised Conceptual Model (Section 2.3.5) identified metals, uranium, and HE as COPCs based on the uses of the associated building and results from the RFI. VOCs and SVOCs were added because these compounds had not been analyzed during the RFI and could have been introduced into the septic tank as a result of activities in the building serviced by the system. The integrity of the tank and associated piping was unknown. It was hypothesized that contaminants could have been released to the environment through leaks in the piping connection or concrete seams, or through the seepage pits. The extent of

contamination outside of the septic tank or seepage pits, however, was not determined in the RFI, but was the focus of the VCA. Because metals, uranium, and organic compounds are less mobile than water (Dragun 1988, ER ID No. 57645, Chapters 4 and 6), contamination outside of the septic tank and pits should have been detectable if there was a release.

When excavated, the septic tank was found to consist of a single, seamless, fiberglass structure that appeared to be intact after being visually inspected. This was a modification in the original assumptions of the septic tank construction and suggested that no leakage around the septic tank occurred. The sample results confirm this structural observation. With the exception of barium in a single sample detected at a concentration approximately 10 ppm higher than the BV, metals retained from the data review [Section 3.4.1(a)] were not detected above the BVs in any samples. Antimony, cadmium, mercury, selenium, silver, and thallium were retained as COPCs because the sample detection limits in some samples exceeded the BVs. However, because the actual concentrations cannot be determined, no trends can be evaluated. Barium was the only inorganic detected slightly above the BVs below the septic tank, and was detected only in one sample, again consistent with the lack of release from the tank.

As shown in Figure 3.4-1, no consistent pattern of COPCs was observed in samples from beneath the septic tank, or collected at the inlet and outlets. Organic compounds detected (acetone in two samples and toluene in one sample) are known to be laboratory contaminants. Although not detected in blanks, the concentrations in the samples were below or slightly above the EQLs, and did not exhibit any pattern that would be consistent with a leak; i.e., contaminants were not detected in samples located in adjacent areas, nor was the detected concentration of toluene reproduced by the field duplicate.

Contaminants seen in the tuff samples adjacent to the seepage pits (acetone and methylene chloride) are common laboratory contaminants, although they were not detected in blanks associated with these samples. However, acetone results were not reproduced by the field duplicate sample collected from the west seepage pit, again suggesting that the occurrence of this organic compound was due to laboratory contamination. Reported concentrations were low (all acetone results were qualified as estimated because they were reported at concentrations below the EQL limit), making quantitative interpretation uncertain.

The VCA sampling did not find a consistent or environmentally logical pattern of contaminant occurrence. Therefore, a release from the septic tank is presumed not to have occurred. Based on the site conceptual model, any contamination resulting from the septic tank would have been detectable either under the septic tank or adjacent to the seepage pits. By inference, the inlet piping is believed to be uncontaminated as well.

3.4.2.2 Environmental Fate

Because all contaminants found were confined to the septic tank, and the septic tank and its contents have been removed, environmental fate is not applicable.

3.4.3 Site Assessment of Other VCA Sampling

3.4.3.1 Summary

A human health screening assessment and ecological screening assessment were conducted for the samples collected during the VCA at PRS 15-009(j) and presented in Sections 3.4.3.2 and 3.4.3.3. The human health screening assessment indicated that COPCs retained by the data review did not pose an unacceptable risk to human health. Therefore, human health COPCs were not identified for this PRS. In addition, no chemicals of potential ecological concern (COPECs) were identified in the ecological screening assessment. As a result, a human health risk assessment and an ecological risk assessment were not performed.

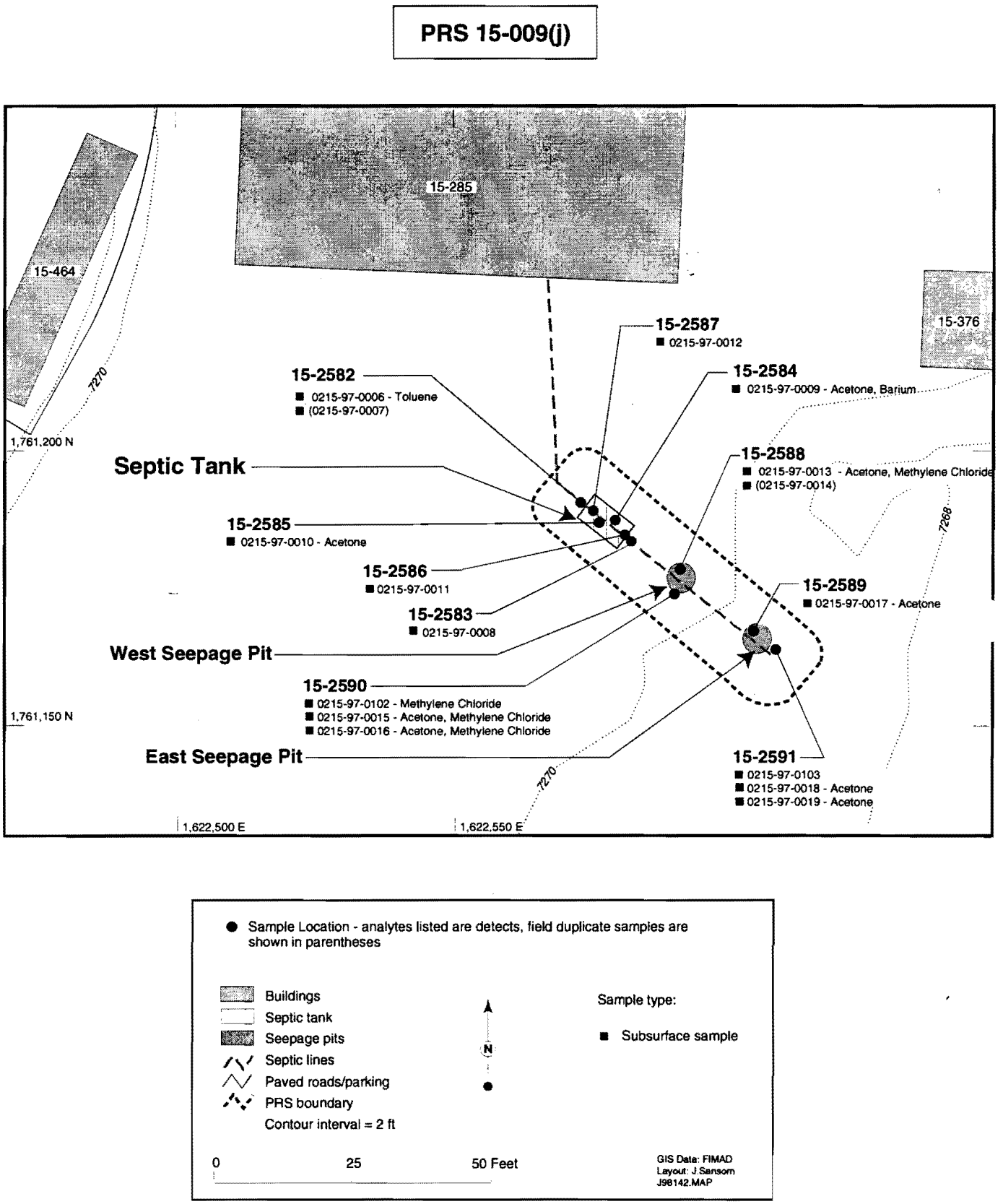

Figure 3.4-1. Sample locations, sample IDs, and detected analytes.

As described previously (Section 2.2.1), a LANL-ER-AP-4.5 surface water assessment was conducted for PRS 15-009(j). The results of this assessment indicate low erosion potential (see Appendix B-4.2.1). No groundwater issues have been identified at the site.

A UST assessment was not performed because PRS 15-009(j) is a septic tank and the UST regulations do not apply.

3.4.3.2 Human Health Assessment

A human health screening assessment is presented below. Screening assessments followed the Hazardous and Radioactive Materials Bureau (HRMB) Risk-Based Decision Tree (NMED 1998, ER ID 57761) appropriate EPA guidance.

(a) Scoping

The PRS is located on DOE-owned land and is removed from public access roads. It lies within the secured boundaries of TA-15, which results in limited and monitored access and egress. The land is currently and will in the future be used exclusively for LANL operations, i.e., industrial land use. Because the PRS is subsurface in nature, the potential receptor would be a construction worker with potential exposure via ingestion, inhalation, and dermal contact pathways.

(b) Screening Evaluation

The COPCs identified by the data review of the inorganic, organic, and radionuclide sample results [Sections 3.4.1 (a), (b), (c)] were compared with SALs to determine if the chemicals were present at concentrations of potential concern. The SALs used in these comparison were values for a residential scenario calculated using the most current guidance, assumptions, and information provided in *Region 9 Preliminary Remediation Goals 1998* (EPA 1998, ER ID 58751). The screening evaluation follows the guidance provided by EPA Region 6 and NMED. The maximum concentration of each COPC was compared with the SAL for radionuclides, the SALs for Class A, B1 and B2 carcinogens, 10x the SAL for Class C carcinogens, or 0.1 SAL for noncarcinogens if there are two or more noncarcinogenic COPCs.

Based on the data review, nine noncarcinogenic COPCs (antimony, barium, cadmium, mercury, selenium, silver, thallium, acetone, and toluene) were carried forward to the screening assessment. Antimony, cadmium, mercury, silver, and thallium were undetected in the soil; antimony, selenium, silver, and thallium were undetected in the fill material; and antimony, selenium, and thallium were undetected in the tuff, but had detection limits above their BVs. The only detected COPCs in the media sampled were acetone in the soil, fill, and tuff, barium in the fill, and toluene in the soil. Table 3.4.3.1-b1 presents the comparison of the noncarcinogenic COPCs with 0.1 SAL. Antimony in the tuff, barium, cadmium, mercury, selenium, silver, acetone, and toluene were below 0.1 SAL and were eliminated as COPCs. Antimony in the soil and fill and thallium in the soil, fill, and tuff were undetected but had detection limits above 0.1 SAL.

TABLE 3.4.3.1-b1
PRS 15-009(j)
COMPARISON OF NONCARCINOGENIC CHEMICALS WITH SAL

Analyte	Location ID	Sample ID	Media	Depth (ft)	Maximum Sample Value (mg/kg)[a]	SAL (mg/kg)	0.1 SAL (mg/kg)
Antimony	15-2582	0215-97-0006	Soil	4	11(UJ)		

TABLE 3.4.3.1-b1
PRS 15-009(j)
COMPARISON OF NONCARCINOGENIC CHEMICALS WITH SAL
(Concluded)

Analyte	Location ID	Sample ID	Media	Depth (ft)	Maximum Sample Value (mg/kg)[a]	SAL (mg/kg)	0.2 SAL (mg/kg)
Antimony	15-2584	0215-97-0009	Fill	8	10(UJ)	30	3
	15-2590	0215-97-0015	Qbt 2,3,4	20	0.76(U)		
Barium	15-2584	0215-97-0009	Fill	8	59	5200	520
Cadmium	15-2582	0215-97-0006	Soil	4	0.57(U)	37	3.7
Mercury	15-2582	0215-97-0006	Soil	4	0.11(U)	22	2.2
Selenium	15-2584	0215-97-0009	Fill	8	1.0(UJ)	370	37
	15-2590	0215-97-0102	Qbt 2,3,4	12.5–15	0.62(U)		
Silver	15-2582	0215-97-0006	Soil	4	2.3(U)	370	37
	15-2584	0215-97-0009	Fill	8	2.1(U)		
Thallium	15-2589	0215-97-0017	Soil	3	1.6(U)		
	15-2584	0215-97-0009	Fill	8	1.4(U)	5.2	0.52
Thallium	15-2590	0215-97-0016	Qbt 2,3,4	59	1.2(U)	5.2	0.52
Acetone	15-2588	0215-97-0013	Soil	3	0.004(J)		
	15-2584	0215-97-0009	Fill	8	0.04	1400	140
	15-2591	0215-97-0018	Qbt 2,3,4	20	0.01(J)		
Toluene	15-2582	0215-97-0006	Soil	4	0.008	520	52

[a] Data qualifiers are defined in the Glossary, Appendix A-2.

Radionuclides were not identified as COPCs in the data review and were not carried forward to the screening assessment.

One carcinogenic COPC, methylene chloride (a class B2 carcinogen), was carried forward from the data review. Methylene chloride, a common laboratory contaminant, was detected in the soil and tuff from one of the boreholes adjacent to the seepage pits. Table 3.4.3.1-b2 presents the comparison of the maximum detected concentrations of methylene chloride in each medium with its SAL of 8.5 mg/kg. Because the detected concentrations were more than an order of magnitude below its SAL, it was eliminated as a COPC.

TABLE 3.4.3.1-b2
PRS 15-009(j)
COMPARISON OF CARCINOGENIC CHEMICALS WITH SAL

Analyte	Location ID	Sample ID	Media	Depth (ft)	Maximum Sample Value (mg/kg)	SAL (mg/kg)
Methylene chloride	15-2588	0215-97-0013	Soil	3	0.1	8.5
	15-2590	0215-97-0102	Qbt 2,3,4	12.5-15	0.08	8.5

(c) Uncertainty Analysis

The screening assessment is a conservative comparison of the maximum concentrations detected at the site with SALs based on a residential exposure scenario. As presented in the scoping section [Section 3.4.3.2 (a)], this PRS is currently, and will remain, under Laboratory control, i.e., industrial land use. The potentially exposed individual would be a construction worker because the site is subsurface and exposure would occur only if the area is excavated and construction activity commences. Because the exposure frequency and duration for a construction worker (250 days and 1 year, respectively) are less than for a resident (350 days and 30 years, respectively), the screening assessment is an overestimate of the potential risk from exposure to the COPCs.

The available toxicity information [reference doses (RfDs)] for antimony and thallium are only for the ingestion of soil and not for the inhalation or dermal pathways. Route extrapolation from the oral to inhalation pathway is not performed for inorganics due to portal of entry effects and known differences in absorption efficiency for the two routes of exposure. Therefore, the inhalation exposure pathway was not included in the calculation of the SALs for antimony and thallium. In addition, there is much uncertainty regarding the determination of hazards associated with skin contact with soils. It is assumed that dermal toxicity values can be extrapolated from oral values. In doing so, complete (100%) oral absorption was assumed in the calculation of the SALs for the COPCs (EPA 1998, ER ID 58751). Therefore, the oral RfDs were used as the dermal RfDs in the SAL calculations.

The data are adequate to determine the presence of contamination at this PRS. Some of the inorganic and VOC data are potentially biased low resulting in estimated concentrations for some analytes. The potential low bias does not affect the results of the data review and the screening assessment (see Appendix C). In addition, antimony, cadmium, mercury, selenium, silver, and thallium were undetected in the materials sampled, but had detection limits that were above their BVs but which were not artificially elevated. Antimony and thallium were subsequently identified as COPCs because they had detection limits greater than 0.1 SAL.

Although no evidence of any leaks from the septic tank was found and it is believed that no release to the surrounding soil and fill material occurred, antimony was evaluated further. Antimony was detected in the liquid in the septic tank during the RFI at the parts per billion level, but was not detected in the sludge or rinsate samples collected during the VCA. Antimony is mixed into alloys and is used in lead and solder. The septic tank at PRS 15-009(j) potentially received water from electronic soldering. This information suggests that antimony might have been present in the septic tank from this activity.

Thallium is not considered to be a COPC at this PRS for three reasons. First, thallium was not detected in the liquid or sludge from the septic tank during the RFI and VCA. Second, thallium was undetected at 1.4–1.6 mg/kg in the soil and 1.2–1.4 mg/kg in the fill/tuff. The detection limits for thallium in soil were comparable with the highest detection limit (1.0 mg/kg) and the highest detected value (1.0 mg/kg) in the background data set for thallium in soil. The detection limits for thallium in fill/tuff are less than the highest

detected thallium value (1.7 mg/kg) in the background data set for thallium in Qbt 2,3,4. Third, thallium was not used in Building TA-15-285. Based on the lack of detection in the liquid and sludge from the septic tank, the comparability of the detection limits for thallium with the background data sets for thallium, and the site knowledge, it is unlikely that thallium is present.

(d) Interpretation

The results of the VCA sampling and screening assessment did not indicate that there had been a release to the environment from the septic tank. One inorganic (barium) was detected above the BV in one sample of the fill material beneath the septic tank and was eliminated as a COPC because the detected concentration was less than 0.1 SAL. Three organics (acetone, methylene chloride, and toluene) were detected in one to several samples of the soil, fill, and/or tuff from beneath the septic tank and adjacent to the seepage pits. The concentrations of these analytes were less than 0.1 SAL for noncarcinogens and SAL for carcinogens and were eliminated as COPCs. In addition, several inorganics (antimony, cadmium, mercury, selenium, silver, and thallium) had detection limits above their BVs, but were not detected in any media. Cadmium, mercury, selenium, and silver had detection limits less than 0.1 SAL and were eliminated as COPCs. Thallium, which had detection limits greater than 0.1 SAL, was eliminated as a COPC because it is not likely to be present above background at this PRS, as described in the uncertainty section [Section 3.4.3.1(c)]. Antimony, which also had detection limits greater than 0.1 SAL, requires further evaluation because it was detected in the septic tank and cannot be definitively eliminated based on site knowledge.

Antimony was retained as a COPC based on a comparison of the maximum detection limit with 0.1 SAL based on a residential exposure. The SAL used is the chemical concentration that corresponds to a fixed level of risk in soil. For the noncarcinogenic COPCs, the SAL corresponds to a hazard quotient (HQ) of one, which is the level of exposure to a chemical from all significant exposure pathways in all material at which it is unlikely for even sensitive populations to experience adverse health effects. Therefore, if the potential dose exceeds this threshold, there might be the potential for noncancer (systemic) effects. An analysis of the potential risk for antimony, assuming that it is present at the maximum detection limit (11 mg/kg), would be obtained by dividing 11 mg/kg by the SAL of 30 mg/kg. This results in an HQ of 0.4 (11 mg/kg ÷ 30 mg/kg) for a residential scenario, which is less than the target value of 1.0 and indicates that no adverse effects to human health are expected.

The screening assessment of the VCA sample results from PRS 15-009(j) did not identify any human health COPCs. Therefore, there is no potential for an unacceptable risk to human health at this PRS because there has been no indication of a release to the environment.

3.4.3.3 Ecological Assessment

An ecological assessment of the PRS is presented below. The assessment followed the HRMB Risk-Based Decision Tree (NMED 1998, ER ID 57761) and is based on the approach described in Kelly et al. 1988 (Kelly et al. 1998, ER ID No. 57916).

(a) Scoping

The ecological scoping checklist for PRS 15-009(j) is provided in Appendix F-2.0. The PRS is a septic tank and associated seepage pits that serviced Building 15-285 until 1992, when the new LANL sewer system was completed. The site is next to Building 15-285 and was covered by grass prior to the VCA. The vegetative class for this site is currently bare ground, primarily covered with base course, and immediately adjacent to an active industrial area. The area to the south and west of the PRS is grassland with scattered pinon/juniper trees (nearest tree approximately 100 yards away), and the outer perimeter (approximately 300-400 yards from the site) is ponderosa pine. The site is located on the mesa top within

TA-15, approximately ¼ mile east of Cañon de Valle. The site has a slope of <10%, slopes away from Cañon de Valle, and has little or no potential for erosion.

PRS 15-012(b) was a wash area located approximately 50–100 ft east of the septic tank [15-009(j)]. This bermed area was used to wash out spheres that were used to contain tests. Because the area was bermed, the potential contamination was mainly on the surface, and the wash area is slightly downgradient from the septic system at PRS 15-009(j); these PRSs were not aggregated. Firing Site AB [PRSs 15-004(b,c)] was located downgradient approximately 500–600 ft east/southeast of the septic tank. This site has been characterized and remediated and does not influence the septic system. Therefore, these sites were not aggregated. The other PRSs in the general area were either behind buildings or at a distance and do not influence PRS 15-009(j).

LANL's Ecology Group (ESH-20) indicated that this PRS was on the edge of the Mexican Spotted Owl "area of interest, buffer zone." Buffer zones are areas where activities could have a core zone (areas containing owls or suitable habitat) influence, but are not protected to the extent that core zones are. However, PRS 15-009(j) is adjacent to a fully industrialized area, including administrative buildings, work shops, laboratories, and storage areas used actively by the facility, does not provide any habitat for this species, and is subsurface in nature. Although the above ground area around the PRS may be visited by ecological receptors (e.g., small mammals and birds) the site is cleared, graded, and covered with several feet of base course (cobble/gravel and clean fill). Because the site is subsurface and covered with base course, it does not impact other ecological receptors and there is no potential for off-site transport. Furthermore, the site has not been revegetated because the facility intends to use the area for future expansion of Building 15-285.

The ecological pathways conceptual exposure model (EPCEM), which is part of the ecological scoping check list (Appendix F-2.0), was not completed because no exposure pathways are present for terrestrial and aquatic ecological receptors and no release has occurred. Although several chemicals with the potential to bioaccumulate were detected in the septic tank (aluminum, cadmium, copper, lead, mercury, nickel, and selenium), none of these potential bioaccumulators were detected or detected above the BVs in the soil and tuff at this PRS.

(b) Screening Evaluation

An ecological screening evaluation of PRS 15-009(j) was not conducted because there are no ecological receptors present and there has been no indication of a release from the septic tank to the surrounding soil/tuff (see Section 3.4.2, Revised Site Conceptual Model as Influenced by Other VCA Sampling).

(c) Uncertainty Analysis

Because an ecological screening evaluation was not conducted for PRS 15-009(j), an uncertainty analysis is not provided.

(d) Interpretation

The PRS does not have any ecological receptors present and there has been no indication of a release to the environment.

3.4.3.4 Surface Water Assessment

The AP-4.5 assessment erosion matrix score for PRS 15-009(j) was a combined 15.8: 8.8 out of 43 for site setting (reflecting the very gradual slope and 25–75% ground cover); 0.0 for runoff; and 7 for run-on (due to structures/parking lot). This low score reflects a very small potential for the site to adversely affect surface water. The complete AP-4.5 assessment is included in Appendix B-4.2.1 of this document. A description of the PRS, the operational history, and the PRS-specific topography, surface geology,

geomorphology, and hydrology is included in Section 2.2, Description and Operational History. The corresponding TA-15 general information is contained in Appendix B.

No surface water samples were collected from PRS 15-009(j).

3.4.3.5 Groundwater Assessment

A description of the PRS, the operational history, and the PRS-specific topography, surface geology, geomorphology, and hydrology is included in Section 2.2, Description and Operational History. The corresponding TA-15 general information is contained in Appendix B.

No subsurface water samples were collected from PRS 15-009(j) during the RFI and VCA. Data from matrices other than water are presented in Section 3.4.1, Data Review of Other VCA Sampling, and Appendix D-2.0, Analytical Results. Three VOCs were detected in the soil and tuff at this PRS. Acetone and methylene chloride are common laboratory contaminants, while toluene has also been found to be a laboratory contaminant. Therefore, the VOCs could have been detected in the soil and/or tuff samples as a result of analytical laboratory contamination and not as a result of a release from the septic tank. In either case, the concentrations detected are several orders of magnitude below their SAL, or 0.1 SALs and do not represent a potential unacceptable risk to human health [see Section 3.4.3.2(b)]. Toluene was detected in one soil sample collected from below the inlet to the septic tank at a concentration of 0.008 mg/kg, but not detected in the field duplicate. Acetone was detected at 0.04 mg/kg in the fill material below the septic tank and from 3 ft to approximately 59 ft (the deepest sample collected) in the boreholes adjacent to the seepage pits. However, the acetone concentrations from the boreholes were all "J" qualified because they were detected below the EQL. The concentrations ranged from 0.004(J) mg/kg to 0.008(J) mg/kg in one borehole and from 0.01(J) mg/kg to 0.007 mg/kg in the other borehole (Table 3.4-c2). Methylene chloride was undetected beneath the septic tank and in the east borehole adjacent to a seepage pit, but was detected in the west borehole from 3–20 ft. However, it was undetected at approximately 59 ft (the deepest sample collected) in this borehole (Table 3.4-c2). The concentrations of methylene chloride ranged from 0.1 mg/kg to 0.07 mg/kg. The regional aquifer at TA-15 is at a depth of approximately 875 to 1100 ft below the ground surface and no evidence of perched or alluvial aquifers is available (LANL 1993, ER ID 20946). The soil screening levels for the protection of groundwater for acetone, methylene chloride, and toluene using a default dilution-attenuation factor of 20 to account for natural processes that reduce contaminant concentrations in the subsurface are 16 mg/kg, 0.02 mg/kg, and 12 mg/kg, respectively. These generic, soil screening levels for the protection of groundwater were derived using default values in standardized equations presented in EPA's Soil Screening Guidance (EPA 1996, PB96-963505) and were obtained from the most recent EPA Region 9 guidance (EPA 1998, ER ID 58751). These values indicate that there are no groundwater concerns for these analytes.

3.4.3.6 Underground Storage Tanks

Not applicable

3.4.3.7 Other Assessments

Not applicable

3.4.4 Conclusions and Recommendations

PRS 15-009(j) has been characterized and remediated. Based on the results of the investigation, the following conclusions can be made:

- the septic system was intact when removed;
- soil sampling did not reveal that impacts occurred to the environment;

- concentrations of COPCs were low, either below or slightly above the EQLs, making quantitative interpretation uncertain;
- neither acetone, nor toluene concentrations were reproduced by the respective field duplicate samples;
- no consistent pattern of occurrence of contaminants was seen, suggesting that no release occurred, and that the organics detected are in reality analytical laboratory contamination. (Methylene chloride was only detected in the soil/tuff adjacent to the west [upstream seepage pit] and not in the east pit; acetone was detected at seemingly random concentrations in samples from both seepage pits, yet not from the 12 ft sample from either pit; and toluene was only detected in one sample from beneath the septic tank);
- contaminants detected (acetone, methylene chloride, and toluene) are known to be analytical laboratory contaminants (although not detected in laboratory blanks "associated" with these samples); and
- The only inorganic detected above the BV in soil or tuff was barium in one sample from beneath the septic tank, and no trend was observed.

The screening evaluation of the sample results from PRS 15-009(j) collected during and after the VCA did not identify any human health COPCs. Therefore, there is no potential for an unacceptable risk to human health at this PRS. The site has an erosion matrix score of 15.8 and a surface water runoff score of zero, which indicates that there is a low potential for erosion and for this PRS to impact surface water. In addition, because there has been no release and there are no pathways for exposure (i.e., the site is subsurface in nature), this PRS does not have any ecological impacts. Therefore, based on the results of the sampling, remedial activities besides removing the septic tank at PRS 15-009(j) are not necessary and the site is proposed for no further action (NFA) under Criterion 3 (Pratt 1994, ER ID 42784.1), which states that "No release to the environment has occurred or is likely to occur in the future from the SWMU." This criterion is in accordance with the VCA investigation showing no release of contaminants into the environment. The area from which the septic tank was removed has been graded and covered with base course and is intended to be used by the operating facility.

4.0 WASTE MANAGEMENT

Wastes generated during the VCA activities are indicated in Table 4.0-1.

TABLE 4.0-1
ESTIMATED TYPES AND VOLUMES OF WASTE

Item	Waste Type	Volume
Sampling Waste/Personal Protective Equipment (PPE)	Solid – Low-Level Radioactive	one 55-gal. drum
Septic Tank	Solid – Low-Level Radioactive	1500 gal.
Contaminated Sludge	Solid - Low -Level Radioactive	two 55-gal. drums
Contaminated Septic Liquids	Liquid – Potential Low-Level Radioactive	None
Decontamination Wastes	Liquid – Low-Level Radioactive	two 55-gallon drums

The volume of sampling equipment and personal protective equipment (PPE) generated was one 55-gal. drum. PPE and sampling equipment was inspected visually and field screened for radioactivity. These materials were deemed to be low-level radioactive, based on field screening and associated liquid samples, and were disposed of at TA-54.

Sludge from the septic tank was placed in separate 55-gal. drums. One composite sample was collected from the drums and analyzed for toxicity characteristic leaching procedure (TCLP) metals, VOCs, SVOCs,

HE, isotopic uranium, gross alpha/beta, gross gamma, tritium, and by gamma spectroscopy. The drums were solidified and disposed of as low-level radioactive waste at TA-54.

There was no septic tank liquid present at the time of this VCA, and the rinse waters used to decontaminate the septic tank, PPE, and sample equipment were placed in two separate 55-gal. drums. The liquid was sampled for TCLP metals, SVOCs, HE, isotopic uranium, gross alpha/beta, gross gamma, tritium, and total suspended solids (TSS). This liquid was solidified, classified as nonhazardous/low-level radioactive waste based on the analytical results, and disposed of at TA-54.

The septic tank was removed as part of the VCA activities at this PRS. It was decontaminated and was considered to be nonhazardous/low-level radioactive waste based on the analysis of the decontamination liquids. The septic tank was cut in half and disposed of as low-level radioactive waste at TA-54.

5.0 REFERENCES

The following list includes all of the documents cited in the body and appendixes of this RFI report. The parenthetical information following each reference provides the author, publication date, and ER ID number, and, if applicable, the LANL ER Project Reference Library reference set number and tab number for each document. This information is also included in the citations in the text. This information can be used to locate the documents on this list.

The ER ID number is a number assigned by LANL's ER Project to track material associated with LANL PRSs. This number can be used to locate the actual document at the ER Project's Records Processing Facility. All cited documents are assigned ER ID numbers.

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

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APPENDIX A LIST OF ACRONYMS AND GLOSSARY

A-1.0 LIST OF ACRONYMS

AOCs	Areas of Concern
BNM	Bandelier National Monument
BRET	Biological resource evaluation team
BVs	background values
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulations
COPCs	chemicals of potential concern
COPECs	chemicals of potential ecological concern
CVAA	Cold Vapor Atomic Absorption
DAHRT	Dual-Axis Hydrodynamics Radiographic Test (facility)
DOE	Department of Energy
EDL	estimated detection limit
Eh	Redox potential
EPA	Environmental Protection Agency
EPCEM	ecological pathways conceptual exposure model
EQL	estimated quantitation limit
ER	Environmental Restoration
ESG	Environmental Surveillance Group
ES&H	Environment, safety, and health
FIMAD	Facility for Information Management, Analysis, and Display
GFAA	Graphite furnace atomic absorption
GPC	gel permiation chromatography
HE	high explosives
HPLC	High-pressure liquid chromatography
HQ	hazard quotient
HRMB	Hazardous and Radioactive Materials Bureau
HRS	Hazard-ranking system
HSWA	Hazardous and Solid Wastes Amendments
ICPES	Inductively Coupled Plasma Emission Spectroscopy
ICPMS	Inductively Coupled Plasma Mass Spectroscopy
IWP	Installation work plan
LANL	Los Alamos National Laboratory
LCS	Laboratory Control Samples
MDL	method detection limit
MOU	Memorandum of understanding
MS/MSD	matrix spike/matrix spike duplicate
NEPA	National Environmental Policy Act
NFA	no further action
NMED	New Mexico Environment Department (New Mexico Environmental Improvement Division before 1991)
NPDES	National pollutant discharge elimination system
OU	Operable unit
PCB	polychlorinated biphenyl
pH	Hydrogen in concentration
PHERMEX	Pulsed, High-Energy, Radiographic Machine Emitting X-rays (facility)
PPE	personal protective equipment
PRSs	potential release sites

QA	Quality assurance
QAPjP	Quality assurance project plan
QA/QC	quality assurance/quality control
Qbt	tuff
QC	Quality control
RCRA	Resource Conservation and Recovery Act
RFI	RCRA Facility Investigation
RPD	relative percent difference
RPS	Radiation protection standard
SALs	screening action levels
SOP	Standard operating procedure
SOW	Statement of work
SVOCs	semivolatile organic compounds
SWMUs	solid waste management units
SWSC	Sanitary Wastewater System Consolidation
T&E	threatened and endangered
TA	Technical Area
TAL	target analyte list
TCE	trichloroethylene
TSD	Treatment, storage, disposal
UST	underground storage tank
VCA	voluntary corrective action
VOCs	volatile organic compounds

A-2.0 GLOSSARY

Abbreviated method A shortened form of a method. Usually refers to analytical methods that have been modified to require less rigorous sample preparation, analysis conditions or quality control.

Accuracy The extent to which the results of a calculation or measurement approach the true values of the calculated or measured quantities, and are free from error.

Action Level. A value that, when exceeded, will trigger a specified response.

Adsorption The surface retention of solid, liquid, or gas molecules, atoms, or ions by a solid or a liquid, as opposed to absorption, the penetration of substances into the bulk of the solid or liquid.

Aliquot A representative sample of a larger quantity.

Alluvial Said of materials or features deposited by running water.

Alluvial fan A fan-shaped piedmont accumulation of sediment deposited by a stream.

Alluvium Clay, silt, sand, gravel, or other rock materials transported by water and deposited in fairly recent geologic time as sorted or semisorted sediments in riverbeds, flood plains, lake shores, and fans at the base of mountain slopes.

Alpha radiation The form of radiation composed of alpha particles emitted in the radioactive decay of certain nuclides. The least penetrating of the three common types of radiation (alpha, beta, and gamma), it can be blocked by a sheet of paper or the outer dead layer of skin.

Analysis A process used to measure one or more attributes of a sample in a clearly defined, controlled, systematic manner. Often requires treating a sample chemically or physically before measurement.

Analyte The particular chemical or radiochemical species to be identified and/or quantified.

Analytical laboratory data qualifiers Data qualifiers that are attached to sample results by the analytical laboratory that performed the sample analysis.

The following letter qualifier flags are for **inorganic analyses**:

"**U**" The compound was analyzed for but was not detected. The associated numerical value is the estimated detection limit.

"**B**" The reported value was obtained from a reading that was less than the estimated detection limit but greater than or equal to the instrument detection limit.

"**E**" The reported value is estimated because of the presence of interference.

"**M**" Duplicate injection precision was not within control limits.

"**N**" Spiked sample recovery was not within control limits.

"**S**" The reported value was determined by the Method of Standard Additions.

"**W**" Post-digestion spike for GFAA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.

"*" Duplicate sample analysis was not within control limits.

"+" Correlation coefficient for the Method of Standard Additions is less than 0.995.

The following letter qualifier flags are for **organic analyses**:

"**U**" The compound was analyzed for but was not detected. The reported numerical value is the estimated quantitation limit.

"**J**" Indicates an estimated value. The "J" flag is used if the compound is present but the result is less than the sample estimated quantitation limit and greater then the instrument detection limit.

"**B**" The analyte was found in the associated method blank as well as in the sample.

"**E**" The concentrations of the analyte exceeded the calibration range of the instrument.

"**D**" The analyte was identified in an analysis at a secondary dilution factor.

"**C**" Identification of a pesticide/PCB has been confirmed by GC/MS.

"**P**" The percent difference between a pesticide/PCB result obtained on the primary and secondary columns was greater than 25%.

"**N**" There is presumptive evidence of the presence of a tentatively identified compound based on mass spectral matching.

"**A**" A tentatively identified compound is a suspected aldol-condensation product.

Andesite A fine-grained volcanic rock, chiefly plagioclase and pyroxene.

Anomaly A deviation from normal variations; something that is abnormal.

Applicable, relevant, or appropriate requirement (ARARs) Those cleanup standards, standards of control, and other substantive environmental protection requirements, criteria, or limitations promulgated under federal or state law that specifically address a hazardous substance, pollutant, contaminant, remedial action, location, or other circumstance at a CERCLA site, or that address problems or situations sufficiently similar to those encountered at the CERCLA site that their use is well suited to the particular site.

Aquifer A permeable body of geologic material capable of yielding groundwater to wells or springs.

Aquitard A low permeability geologic material that does not readily yield groundwater to wells.

Area of concern An area at LANL known or suspected to be contaminated with radionuclides, but not contaminated by hazardous chemicals (or hazardous waste).

Assessment endpoint A quantitative or quantifiable expression of the environmental value considered to be at risk in a risk analysis (i.e. a 25% reduction in fish biomass or local extinction of an avian species).

As low as reasonably achievable (ALARA) An approach to radiation protection to control or manage exposures (both individual and collective to the work force and the general public) and releases of radioactive material to the environment as low as social, technical, economic, practical, and public policy considerations permit. Used in this sense, ALARA is not a dose limit.

Ash-flow tuff A tuff deposited by a hot dense volcanic current. Ash-flow tuff can be either welded or nonwelded.

Background level The naturally occurring concentrations of an inorganic chemical (including naturally occurring radionuclides) in soil.

Background radiation The amount of radioactivity naturally present in the environment, including cosmic rays from space.

Background value (BV) Background values exist for inorganic chemicals and radionuclides. The background values are the upper tolerance limits (UTLs) of background sample results, calculated as the upper 95% confidence limit for the 95th percentile. In cases where a UTL cannot be calculated, either the detection limit or maximum reported value is used as a BV. Background values are used as simple threshold numbers to identify potentially contaminated site sample results as greater than background levels.

Barrier Any material or structure that prevents or substantially delays movement of solid, liquid, or gaseous phase chemicals in environmental media.

Basalt A hard, dense, dark volcanic rock composed chiefly of plagioclase, augite, olivine, and magnetite.

Baseline level Anthropogenic, non-site related concentrations of a given chemical in the soil. Examples of baseline levels are nuclear fallout and organic chemicals associated with urban activities.

Baseline risk assessment (Also known as ***risk assessment***) A site-specific analysis of the potential adverse effects caused by hazardous substance releases from a site in the absence of any actions to control or mitigate these releases. There are four steps in baseline risk assessment: data collection and analysis, exposure assessment, toxicity assessment, and risk characterization.

Bentonite A clay composed of the mineral montmorillonite and variable amounts of magnesium and iron, formed over time by the alteration of volcanic ash. As bentonite can adsorb large quantities of water and expand to several times its normal volume, it is a common additive to drilling mud.

Beta radiation Radioactive transformation of a nuclide in which the nucleus emits a beta particle (electron or positron). Beta radiation can be blocked by an inch of wood or by a thin sheet of aluminum.

Bias (1) The degree to which the value obtained for a measured parameter deviates from the value accepted as the true, or reference, value. (2) A systematic deviation from the true value that remains constant over replicated measurements within the statistical precision of the measurement process.

Blank sample A sample expected to have negligible or unmeasurable amounts of analytes. Results of blank sample analyses indicate whether or not field samples might have been contaminated during one or more steps of the sample collection, transport, storage, preparation and analysis process.

Blind sample See ***Single blind sample*** and ***Double blind sample***.

Breccia Coarse-grained rock consisting of angular fragments cemented together or embedded in a fine-grained matrix.

Caldera A more or less circular volcanic depression, generally on the order of tens of kilometers in diameter, formed during the eruption of large volumes (tens to hundreds of cubic kilometers) of dense rock equivalent, ash flow, and ash fall tuff deposits.

Calibration A process used to identify the relationship between the true, or reference, analyte concentration or other variable and the response of a measurement instrument, chemical analysis method, or other measurement system.

Calibration blank A calibration standard prepared to contain negligible or unmeasurable amounts of analytes. It is used to establish the zero concentration point for analytical measurement calibration.

Calibration standard A sample prepared to contain known amounts of the analytes of interest and of other constituents required for the analysis.

Caliche (Properly called ***pedogenic calcite,*** also known as ***calcrete***) An accumulation of calcium carbonate, typically found in the near-surface.

Catchment A structure such as a basin or reservoir, for collecting or draining water; the collecting of water.

Chain of custody An unbroken, documented trail of accountability designed to ensure that the physical integrity of samples, data, and records remains uncompromised.

Chemical Any naturally occurring or man-made substance characterized by a definite molecular composition, including molecules that contain radionuclides.

Chemical of concern A chemical that is identified as a potential risk as the result of performing a site-specific human health or ecological risk assessment.

Chemical of potential concern (COPC) A chemical detected at a site that has the potential to adversely affect human and or ecological receptors due to its concentration, distribution and mechanism of toxicity. The chemical remains a concern until exposure pathways and receptors are evaluated in a site-specific risk assessment.

Cleanup Action undertaken to physically remove or treat a hazardous substance that poses a threat or potential threat to human health and welfare and the environment. Sites are considered cleaned up when EPA removal or remedial programs have no further expectation or intention of returning to the site and threats have been mitigated or do not require further action.

Cleanup levels Media-specific target concentration levels for contaminants that must be met by a selected corrective action. Cleanup levels are established using criteria such as protection of human health and the environment; compliance with regulatory requirements; reduction of toxicity, mobility, or volume through treatment; long- and short- term effectiveness; implementability; cost; and public acceptance.

Code of Federal Regulation (CFR) A codification of all regulations developed and finalized by federal government agencies in the *Federal Register.*

Collocated sample One of two or more samples collected as close together in time and space as the sampling equipment allows so that each sample is expected to be equally representative for a given analyte within the common space and time interval.

Colluvium Rock debris accumulated at the base of a cliff or on a slope principally by the action of gravity.

Comparability A qualitative measure of the degree to which one item or data set can be compared with another.

Composite sample A sample that is formed by combining and homogenizing several grab samples.

Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980. Amended by the Superfund Amendments and Reauthorization Act (SARA) of 1986. The acts created a special tax that goes into a trust fund, commonly known as Superfund, whose mandate is to investigate

and clean up abandoned or uncontrolled hazardous waste sites that may endanger health or the environment. The EPA is responsible for managing Superfund.

Conceptual model See also ***Site conceptual model.***

Conceptual hydrogeologic model Perception of the occurrence, movement and quality of groundwater in an area and the relationship of groundwater to the surface water, soil water and geologic framework there.

Confluence The place where two or more streams meet; the point where a tributary meets the main stream.

Confined Said of groundwater in an artesian aquifer.

Constituent Any compound or element present in environmental media, including both naturally occurring and anthropogenic elements.

Contaminant Any chemical (including radionuclides) present in environmental media or on structural debris at a concentration that may present a risk to human health or the environment.

Controlled area Any Laboratory area to which access is controlled to protect individuals from exposure to radiation and/or hazardous materials.

Corrective Action A measure taken to rectify conditions adverse to human health or the environment.

Corrective measures study If a RCRA facility investigation indicates that further action is required, a "corrective measures study" is performed to identify and evaluate cleanup alternatives for the release. This study assesses risks to human health and the environment, costs, and other factors such as disposal methods.

Corrective measures implementation (CMI) This third step of the corrective action process includes design, construction, maintenance, and monitoring of the chosen remedy.

Curie A unit of radioactivity defined as that quantity of any radioactive nuclide that has an activity of 3.7×10^{10} disintegrations per second.

Daily Calibration A combination of calibration blank and calibration standard used to determine if the instrument response to analyte concentration is within acceptable bounds relative to the initial calibration. A daily calibration establishes the 24-hour relative response factors on which quantitations are based, thus verifying the satisfactory performance of an instrument on a day-to-day basis.

Data quality assessment A statistical and scientific evaluation of the data set to assess the validity and performance of the data collection design and statistical test, and to establish whether a data set is adequate for its intended use.

Data quality objectives (DQOs) The qualitative and quantitative goals that are developed before sampling begins that clarify the investigation objectives and identify the type, quantity and quality of data needed to support decisions.

Data validation A systematic process that applies a defined set of performance-based criteria to a body of data that may result in qualification of the data. This process is performed independently of the analytical laboratory generating the data set and occurs prior to drawing a conclusion from the data. It may comprise a standardized review (routine validation) and/or a problem-specific review (focused validation) of the data.

Data validator The person who performs data validation in accordance with LANL ER procedures.

Data verification A process of evaluating the completeness, correctness, consistency, and compliance of a laboratory data package against a specified standard or contract. Completeness means all required information is present—both hard copy and electronic. Correctness means the reported results are based on properly documented and correctly applied algorithms. Consistency means that values are the same when they are reported in different reports or are transcribed from one report to another. Compliance means that the data pass numerical QC tests based on parameters or limits specified in a contract or in an auxiliary document.

Decommissioning The permanent removal from service of surface facilities and components only, after facility closure, in accordance with regulatory requirements and environmental policies.

Decontamination The removal of unwanted material from the surface of or from within another material, or the neutralizing of it.

Deferred action Postponement of the selection and implementation of a corrective measure until a future date, usually following decommissioning of an active site.

Detection limit The minimum concentration of a substance that can be measured by an instrument with a specified statistical confidence that the analytical concentration is greater than zero.

Discharge or Hazardous Waste Discharge (As defined under RCRA, 40 CFR 260.10) The accidental or intentional spilling, leaking, pumping, pouring, emitting, emptying, or dumping of hazardous waste into or on any land or water.

Disposal The discharge, deposit, injection, dumping, spilling, leaking, or placing of any solid waste or hazardous waste into or on any land or water so that such solid waste or hazardous waste or any constituent thereof may enter the environment or be emitted into the air or discharged into any waters, including ground waters.

U.S. Department of Energy (DOE) The federal agency that sponsors energy research and regulates nuclear materials for weapons production.

Dose The quantity of radiation absorbed, per unit of mass, by the body or by any portion of the body.

Dose equivalent An estimate of the amount of biological damage (in rems) done by the deposition in tissue of a given unit of absorbed radiation dose.

Double blind sample A sample with analyte concentration and sample identity unknown to the analyst.

Duplicate analysis An analysis performed on one of a pair of identically prepared subsamples of the same sample.

Duplicate measurement One of a pair of measurements performed on a prepared sample under identical conditions.

Ecological Screening Level (ESL) An organism's exposure-response threshold for a given chemical constituent. It is the concentration of a substance in a particular medium that corresponds to a hazard quotient (HQ) of 1.0 for a given organism and below which no risk is indicated.

Effluent A liquid discharged as a waste, such as contaminated water from a factory or the outflow from a sewage works; water discharged from a storm sewer or from land after irrigation.

Eolian Pertaining to the wind, especially said of sediment deposition by the wind, of structures such as wind-formed ripple marks, or of erosion accomplished by the wind.

Environmental Assessment (EA) A report that identifies potentially significant environmental impacts from any federally approved or funded project that may change the physical environment. If an EA shows significant impact, an Environmental Impact Statement (EIS) is required.

Environmental Impact Statement A detailed report, required by federal law, on the significant environmental impacts that proposed major federal projects would have on the environment.

Environmental Surveillance The collection and analysis of samples of air, water, soil, foodstuffs, biota, and other media to determine environmental quality of an industry or community. It is commonly performed at sites containing nuclear facilities.

Environmental Protection Agency (EPA) The federal agency responsible for enforcing environmental laws. While state regulatory agencies may be authorized to administer some of this responsibility, EPA retains oversight authority to ensure protection of human health and the environment.

Ephemeral stream Said of a stream or spring that flows only during and immediately after periods of rainfall or snowmelt.

Equipment blank A blank sample that is used to rinse the sample collection equipment and is then transferred to a sampling container. The equipment blank is collected after equipment decontamination is completed but prior to collection of another field sample.

Error Any discrepancy between a computed, observed, or measured quantity and the expected or theoretically correct value of that quantity.

Estimated quantitation limit The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine analytical laboratory operating conditions. Sample estimated quantitation limits are highly matrix-dependent, and the specified estimated quantitation limits might not always be achievable.

Evapotranspiration The combined discharge of water from the earth's surface to the atmosphere by evaporation from lakes, streams, and soil surfaces, and by transpiration from plants.

Exposure unit The bounded area or volume within which a person or other receptor may be exposed to contaminants that have been released to the environment.

Fault A fracture, or zone of fractures, in rock along which there has been vertical or horizontal movement; adjacent rock surfaces are displaced.

Field blank A blank sample either prepared in the field or carried to the sampling site, exposed to sampling conditions (e.g., bottle caps removed, preservatives added), and returned to a laboratory for analysis in the same manner in which environmental samples are analyzed. Used to identify the presence of contamination potentially added during the sampling and analysis process.

Field duplicate A second sample collected as near as possible to the original sample.

Field matrix spike A known amount of a field sample to which a known amount of the target analyte has been added. Used to compute the proportion of added analyte that is recovered upon analysis.

Field reagent blank Same as *field blank.*

Field sample See also *sample.*

Field split A field sample that has been divided in the field into equally representative portions (See also *split sample*).

Flood plain The portion of a river valley that is built of overbank sediment deposited when the river floods.

Focused data validation A technically based analyte-, sample-, and potentially data use-specific process that extends the qualification of data beyond method or contractual compliance and provides a level of confidence that an analyte is present or absent. If the analyte is present, the quality of the quantitation may be obtained through focused validation.

Gamma radiation A form of electromagnetic, high-energy radiation emitted from a nucleus. Gamma rays are essentially the same as x-rays and require heavy shieldings, such as concrete or steel, to be blocked.

Geohydrology The science that applies hydrologic methods to the understanding of geologic phenomena.

Grab sample A specimen collected by a single application of a field sampling procedure to a target population, e.g. the surface soil from a single hole collected following the spade and scoop sampling procedure, or a single air filter left in the field for three months.

Groundwater Water in a subsurface saturated zone.

Half-life The time required for one-half of the radioactive atoms initially present in a sample to decay. Each radionuclide has a characteristic half-life ranging from a fraction of a second to thousands of years.

Hazardous and Solid Waste Amendments (HSWA) Amendments to the Resource Conservation and Recovery Act, 1984. HSWA added land disposal restrictions, minimum technology requirements, and expanded corrective action authorities to the RCRA statue.

Hazardous substance (As defined by 40 CFR 302.3) Any substance designated pursuant to 40 CFR 302. 40 CFR 302.4 – Designation of Hazardous Substances:

(a) ***Listed hazardous substances.*** The elements, compounds and hazardous wastes appearing in Table 302.4 are designated as hazardous substances under section 102(a) of the CERCLA.

(b) ***Unlisted hazardous substances.*** A solid waste, defined in 40 CFR 261.2, which is not excluded from regulation as a hazardous waste under 40 CFR 261.4(b), is a hazardous substance under section 101(14) of the CERCLA if it exhibits any of the characteristics identified in 40 CFR 261.20 through 261.24. See Hazardous Waste. **Note:** This definition incorporates by reference, substances listed in CWA sections 311 and 307(a); CAA section 112; RCRA section 3001; and TSCA section 7.

Hazardous waste (As defined by RCRA 40 CFR 261.3) Any solid waste is generally a hazardous waste if it is not excluded from regulation as a hazardous waste, is listed in the regulations as a hazardous waste, exhibits any of the defined characteristics of hazardous waste (ignitability, corrosivity, reactivity, or toxicity), or is a mixture of solid waste and hazardous waste.

Holding time The maximum elapse of time that one can expect to store a sample without unacceptable changes in analyte concentrations. Holding times apply under prescribed storage conditions and deviations in storage conditions may affect the holding time. Extraction Holding Time refers to the time lapse from sample collection to sample preparation; Analytical Holding Time refers to the time lapse between sample preparation and analysis.

Hot pad An area located at an airport, or other terminal of public transportation, that is segregated from the general public for the purposes of loading and unloading hazardous, radiological, and/or biological cargo.

HSWA module A portion of the Laboratory's permit to operate under RCRA that contains requirements specific to Los Alamos National Laboratory. It is this portion of the permit that contains the list of solid waste management units that must be cleaned up in accordance with RCRA procedures.

Hydraulic conductivity The rate at which water moves through a medium in a unit of time under a unit hydraulic gradient through a unit area measured perpendicular to the direction of flow.

Hydraulic gradient The rate of change of hydraulic head per unit of distance in the direction of groundwater flow.

Hydraulic head Elevation of the water table or potentiometric surface as measured in a well.

Hydrogeology The science that applies geologic methods to the understanding of hydrologic phenomena.

Hypothesis A proposition stated as a basis for further investigation.

Industrial use scenario Industrial use is the future use scenario in which current Laboratory operations continue. Any necessary remediation involves cleanup to standards designed to ensure a safe and healthy work environment for Laboratory workers.

Infiltration Entry of water into the ground.

Interflow A runoff process that involves lateral subsurface flow in the soil zone.

Injection well A well used for adding water and/or tracers to the saturated zone during well tests of hydrologic behavior.

Initial calibration The process used to establish the relationship between instrument response and analyte concentration at several analyte concentration values to demonstrate that an instrument is capable of acceptable analytical performance.

Initiator A weapons device used as the first element of an explosion, which upon receipt of the proper mechanical or electrical impulse produces a burning or detonating action.

Interim measure The actions used to achieve the goal of stabilization at contaminated sites that present serious and immediate health hazards.

Interference A chemical or physical entity whose influence results in a decrease or increase in the response of an analytical method or other measurement system relative to the response obtained in the absence of the entity.

Intermittent stream Said of a stream that flows only in certain reaches due to losing and gaining characteristics of the channel bed.

Interrupted stream Said of a stream whose flow is discontinuous due to man-made structures.

Institutional controls Controls prohibiting or limiting access to contaminated media; may consist of deed restrictions, use restrictions, permitting requirements, etc.

Laboratory duplicate sample The portions of a sample taken from the same sample container, prepared for analysis and analyzed independently but under identical conditions. Each duplicate sample is expected to be equally representative of the original material.

Land disposal restrictions (LDR) A RCRA program that requires hazardous waste be treated (or meet specified levels for hazardous constituents) before land disposal is allowed. In addition to the disposal prohibition, there are prohibitions and limits in the LDR program regarding the dilution and storage of wastes.

LANL Data validation qualifiers Data qualifiers used in the LANL ER Project baseline validation process are as follows:

"A" Contractually required data are not available for data review and evaluation.

"U" The analyte was analyzed for but not detected.

"J" The analyte was positively identified, and the associated numerical value is estimated to be more uncertain than would normally be expected for that analysis.

"J+" The analyte was positively identified, and the result is likely to be biased high.

"J-" The analyte was positively identified, and the result is likely to be biased low.

"UJ" The analyte was not positively identified in the sample, and the associated value is an estimate of the sample-specific detection or quantitation limit.

"RPM" Without further review of the raw data, the sample results are unusable due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. Presence or absence cannot be verified. Any results qualified as RPM must be evaluated for relevance to data use.

"P" Professional judgement should be applied to using the data in decision-making.

"PM" Professional judgement should be applied to using the data in decision-making. A manual review of raw data is recommended t determine if the defect impacts data use for decision-making.

"R" The data is rejected as a result of major problems with quality assurance/qualify control (QA/QC) parameters.

Leachate A liquid that has percolated through waste, soil or rock material and mobilized chemical species in the process.

Leaching The separation or dissolving out of soluble constituents of a solid material by the natural action of percolating water or by chemicals.

Materials disposal area An area used any time between the beginning of Laboratory operations in the early 1940s and the present for disposing of chemically and/or radioactively contaminated materials.

Matrix See also *sample matrix*.

Matrix Relatively fine material in which coarser fragments or crystals are embedded; also called "ground mass."

Matrix spike An aliquot of sample spiked with a known concentration of target analyte(s). The spiking typically occurs before sample preparation and analysis.

Matrix spike duplicate An intralaboratory duplicate sample spiked with a known amount of target analyte(s). Spiking occurs prior to sample preparation and analysis.

Maximum contaminant level Under the Safe Drinking Water Act, the maximum permissible level of a contaminant in water that is delivered to any user of a public water system that serves 15 or more connections and 25 or more people. The standards set take into account the feasibility and cost of attaining the standard.

Medium (environmental) Any material capable of absorbing or transporting constituents including tuffs, soils and sediments derived from these tuffs, surface water, groundwater, air, structural surfaces, and debris.

Medium (geological) The solid part of the hydrogeological system; may be unsaturated or saturated.

Method A body of procedures and techniques for systematically performing an activity.

Method blank An analyte-free matrix to which all reagents are added in the same volumes or proportions as those used in the environmental sample processing and which is prepared and analyzed in the same manner as the corresponding environmental samples. The method blank is used to assess the potential for contamination to the sample during preparation and analysis.

Method detection limit (MDL) The minimum concentration of a substance that can be measured and reported with a known statistical confidence that the analyte concentration is greater than zero. The MDL is determined from analysis of samples of a given matrix type containing the analyte after subjecting the sample to the usual preparation and analyses. The MDL is used to establish detection status.

Migration The movement of inorganic and organic species through unsaturated or saturated materials.

Migration pathway A route (e.g., a stream or subsurface flow path that controls the potential movement of contaminants to environmental receptors (plants, animals, humans).

Mitigation (1) Avoiding an impact altogether by not taking a certain action or parts of an action. (2) Minimizing impacts by limiting the degree or magnitude of the action and its implementation. (3) Rectifying the impact by repairing, rehabilitating, or restoring the affected environment. (4) Reducing or eliminating the impact over time by preservation and maintenance operations during the life of the action. (5) Compensating for the impact by replacing or providing substitute resources or environments.

Mixed waste Waste that contains both hazardous waste (as defined by RCRA and its amendments) and radioactive waste (as defined by the AEA and its amendments).

Model A mathematical approximation of a physical, biological, or social system.

Monitoring well A well drilled at a specific location on or off a hazardous waste site for the purpose of sampling groundwater or measuring water levels. Typically constructed with a moderate screen interval placed so as to straddle the water table or potentiometric surface associated with the saturated zone of interest.

National Pollutant Discharge Elimination System (NPDES) A federal regulation under the Clean Water Act requiring permits for discharge into surface waterways.

National Priorities List (NPL) EPA's list of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial response using money from the Trust Fund. Updated annually.

No further action (NFA) A decision that no further investigation or remediation is warranted for a PRS, based on risk levels for residential use, recreational use, or industrial use.

Notice of Deficiency (NOD) A notice issued to DOE and the Laboratory by EPA or NMED stating that some aspect(s) of a plan or report does not meet their requirements. The ER Project must then propose a solution acceptable to the EPA/NMED before the plan or report will be approved.

Operable unit (OU) At LANL, one of 24 areas originally established for administering the ER Project. Set up as groups of potential release sites, the OUs were aggregated based on geographic proximity for the purpose of planning and conducting the cleanup effort. As the project matured, it became apparent that 24 were too many to allow efficient communication and to ensure consistency in approach. Therefore, in 1994, the 24 OUs were reduced to six administrative "field units".

Outfall The vent or end of a drain, pipe, sewer, ditch, or other conduit that carries waste water, sewage, storm runoff or other effluent into a stream.

Out of control A condition in which a measured quality control parameter does not meet specified control or acceptance criteria.

Perched groundwater Groundwater that lies above the regional water table and is separated from it by an unsaturated zone.

Percolation Gravity flow of groundwater through the pore spaces in rock or soil below the ground surface.

Perennial Stream Said of a stream or reach that flows continuously throughout the year.

Performance evaluation sample A sample of known composition with respect to selected analytes which, upon analysis, is expected to yield results that fall within a prescribed range. Performance evaluation samples are selected to mimic as closely as possible those matrices representative of environmental samples from a particular location.

Permit modification A process in which changes to requirements of the Laboratory's operating permit is requested by application to the EPA. The process includes a public hearing and a 60-day comment period on the proposed changes.

Piezometer A well drilled for the purpose of measuring hydraulic head or water level; ideally only open at the bottom but usually constructed with a very short screen interval.

Piezometric Surface Also called potentiometric surface. The level to which water will rise in a well tightly cased into an aquifer.

Pollutant Includes, but is not limited to, any element, substance, compound, or mixture, including disease-causing agents, which after release into the environment and upon exposure, ingestion, inhalation, or assimilation into any organism, either directly from the environment or indirectly by ingestion through food chains, will or may reasonably be anticipated to cause death, disease, behavioral abnormalities, cancer, genetic mutation, physiological malfunctions (including malfunctions in reproduction) or physical deformations, in such organisms or their offspring; except that the terms "pollutant or contaminant" shall not include petroleum, including crude oil or any fraction thereof which is not otherwise specifically listed or designated as a hazardous substance under Subparagraphs (A) through (F) of Paragraph (14) and shall not include natural gas, liquefied natural gas, or synthetic gas of pipeline quality (or mixtures of natural gas and such synthetic gas).

Population (statistical) A set of entities or a continuum in a physical, biological or social system of interest, e.g., the residents of Los Alamos County, the water in an alluvial aquifer, or the plants in Pajarito Canyon.

Porosity The ratio of the volume of interstices in rock or soil to its total volume expressed as a percentage or as a fraction.

Porphyritic Said of the texture of an igneous rock in which larger crystals (phenocrysts) are set in a finer ground mass.

Potential release site (PRS) A site suspected of releasing contaminants into the environment. PRS is a generic term that includes SWMUs, hazardous waste sites listed in Module VII of the Laboratory's Hazardous Waste Facility Permit, and sites that have been identified as potentially contaminated by radioactivity.

Precambrian All geologic time prior to the beginning of the Paleozoic era (the Paleozoic began about 600 million years ago), equivalent to about 90% of all geologic time.

Precision A concept used to describe dispersion of measurements with respect to a measure of location or central tendency. Precision may be represented by the inverse of the standard deviation of a set of measurements.

Preliminary assessment The process of collecting and reviewing available information about a known or suspected hazardous waste site or release. The extent of release and degree of threat to human health and the environment are evaluated to determine whether further study is needed and whether the release meets the criteria for a CERCLA-funded removal.

Prepared sample A sample treated in such a manner as to render it amenable to analysis. May include: digestate, distillate, electroplate, extract, filter retentate, filtrate, homogenate, precipitate, pulverized/sieved portion of sample, residue, etc.

Qualifier flag A letter code indicating, on a gross scale, a verifiable or potential data deficiency. Qualifier flags are assigned to data based on the outcome of data validation checks.

Quality assessment sample A sample submitted for analysis, the data from which are used to assess the quality of performance of a sampling or analysis process. May include performance evaluation samples, field duplicates, field blanks, etc.

Quality control (QC) sample A sample which, upon analysis, provides information useful for adjusting, controlling, or verifying continuing acceptability of sampling and/or analysis activities that are in progress.

Quaternary The second period of the Cenozoic Era, following the Tertiary, and including the last 2 – 3 million years.

Radiation Energy emitted in the form of rays or particles that are thrown off by disintegrating atoms. The rays or particles emitted may consist of alpha, beta, or gamma radiation.

Radioactive decay (1) The process whereby radioactive materials undergo a change from one nuclide, element, or state to another, releasing radiation in the process. This action ultimately results in a decrease in the number of radioactive nuclei present in the sample. (2) The spontaneous transformation of one nuclide into a different nuclide or into a different isotope of the same nuclide accompanied by either the emission of particles from the nucleus, nuclear capture or ejection of orbital electrons, or fission.

Radioactive tracer A radioactive material added to, or induced in, a sample for the purpose of monitoring chemical or physical losses of the target analytes. The tracer is assumed to behave in the same manner as that of the target analytes.

Radioactive waste Waste material containing radionuclides, or contaminated by radionuclides.

Radionuclide A nuclide (species of atom) that exhibits radioactivity.

Randomized sample A sampling design where every possible sample has an equal probability of being selected.

RCRA facility assessment (RFA) Usually the first step in the RCRA corrective action process, to identify potential and actual releases from SWMUs and make preliminary determinations about releases, the need for corrective action, and interim measures. The RFA is generally equivalent to the preliminary assessment/site investigation taken under Superfund.

RCRA facility investigation (RFI) The second step of a RCRA corrective action, to gather enough data to fully characterize the nature, extent, and rate of migration of contaminants to determine the appropriate response action. The RFI is generally equivalent to the RI portion of the Superfund process.

Reason code A code used in the ER data validation process to indicate why a qualifier flag has been assigned to a datum.

Receptor A person, plant, animal, or geographical location that is exposed to a chemical or physical agent released to the environment by human activities.

Recharge The process by which water is added to the zone of saturation, either directly from the overlying unsaturated zone or indirectly by way of another material in the saturated zone.

Recreational use scenario Recreational use refers to current and future use scenarios in which cleanup of a PRS is completed to a level that permits the public to safely use it on an intermittent basis for activities such as hiking and camping. The standards are more stringent than they are for the industrial use scenario but not as stringent as those for residential use.

Regulatory standard Media-specific contaminant concentration levels of potential concern that are mandated by federal or state legislation or regulation (e.g., the Safe Drinking Water Act, New Mexico Water Quality Control Commission regulations).

Release Any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment (including the abandonment or discarding of barrels, containers, and other closed receptacles containing any hazardous substance or pollutant or contaminant), but excludes

(A) any release which results in exposure to persons solely within a workplace, with respect to a claim which such persons may assert against the employer of such persons;

(B) emissions from the engine exhaust of a motor vehicle, rolling, stock, aircraft, vessel, or pipeline pumping station engine;

(C) release of source, byproduct, or special nuclear material from a nuclear incident, as those terms are defined in the Atomic Energy Act, if such release is subject to requirements with respect to financial protection established by the Nuclear Regulatory Commission under Section 170 of such act, or, for the purposes of Section 104 of this title or any other response action, any release of source, byproduct, or special nuclear material from any processing site designated under Section 102(a)(1) or 302(a) of the Uranium Mill Tailings Radiation Control Act of 1978, and

(D) the normal application of fertilizer. **[CERCLA 101(22)]**

Relative precision Precision measured relative to a particular value. Relative precision expressed as the relative standard deviation (RSD) may be calculated as the ratio of the standard deviation to the selected value.

Relevant and appropriate requirements Those cleanup standards, standards of control, and other substantive requirements, criteria, or limitations promulgated under federal environmental or state environmental or facility siting laws that, while not "applicable" to a hazardous substance, pollutant, contaminant, remedial action, location, or other circumstance at a CERCLA site, address problems or situations sufficiently similar to those encountered at the CERCLA site that their use is well suited to the particular site. Only those state standards that are identified in a timely manner and are more stringent than federal requirements may be relevant and appropriate.

Remediation The process of reducing the concentration of a contaminant (or contaminants) in air, water, or soil media to a level that poses an acceptable risk to human health; the act of restoring a contaminated area to a usable condition based on specified standards.

Remedy or remedial action Those actions consistent with permanent remedy instead of or in addition to removal actions in the event of a release or threatened release of a hazardous substance into the environment, to prevent or minimize the release of hazardous substances so that they do not migrate to cause substantial danger to present or future public health or welfare or the environment. The term includes, but is not limited to, such actions at the location of the release as storage, confinement, perimeter protection using dikes, trenches, or ditches, clay cover, neutralization, cleanup of released hazardous substances and associated contaminated materials, recycling or reuse, diversion, destruction, segregation of reactive wastes, dredging or excavations, repair or replacement of leaking containers, collection of leachate and run-off, on-site treatment or incineration, provision of alternative water supplies, and any monitoring reasonably required to assure that such actions protect the public health and welfare and the environment. **[CERCLA 101(24)]** Activities conducted at DOE facilities to reduce potential risks to people and/or harm to the environment from radioactive and/or hazardous substance contamination. **(DOE Order 5820.2A)**

Remove or removal The cleanup or removal of released hazardous substances from the environment; such actions as may be necessary taken in the event of the threat of release of hazardous substances into the environment, such actions as may be necessary to monitor, assess, and evaluate the release or threat of release of hazardous substances, the disposal of removed material, or the taking of such other actions as may be necessary to prevent, minimize, or mitigate damage to the public health or welfare or to the environment, which may otherwise result from a release or threat of release. **[CERCLA 101 (23)]**

Removal action An immediate action taken over the short term to address a release or threatened release of hazardous substances.

Replicate measurement A re-analysis (remeasurement) of a prepared sample.

Reportable quantity For any CERCLA hazardous substance, the quantity established in Table 302.4 and Appendix B of 40 CFR 302, the release of which requires notification unless federally permitted. **(DOE Order 5000.3A)**

Representativeness The degree to which data accurately and precisely represent a characteristic of a population or an environmental condition.

Residential use scenario The standards for residential use are the most stringent of the three current and future use scenarios being considered by the ER Project and is the level of cleanup EPA is currently specifying for SWMUs located off the Laboratory site and for those released for non-Laboratory use.

Resource Conservation and Recovery Act (RCRA) The RCRA regulations establish a comprehensive hazardous waste management system under the authority of RCRA Subtitle C. RCRA regulates hazardous waste from its point of generation through its point of final disposal. RCRA also regulates solid waste under Subtitle D.

Respond or response (As defined by Section 101 (25) of CERCLA) remove, removal, remedy, or remedial action, including enforcement activities related thereto.

Response action A CERCLA-authorized action at a Superfund site involving either a short-term removal action or a long-term remedial response that may include, but is not limited to, the following activities.

- Removing hazardous materials from a site to an EPA-approved, licensed hazardous waste facility for treatment, containment, or destruction.
- Containing the waste safely on site to eliminate further problems.
- Destroying or treating the waste on site using incineration or other technologies.
- Identifying and removing the source of groundwater contamination and halting further movement of the contaminants.

Restricted Area Any area access to which is controlled by the licensee for purposes of protection of individuals from exposure to radiation and radioactive materials. "Restricted area" shall not include areas used as residential quarters, although a separate room or rooms in a residential building may be set apart as a restricted area. **(10 CFR 60.2)**

Retardation The act or process that reduces the rate of movement of a chemical substance in water relative to the average velocity of the water. The movement of chemical substances in water can be retarded by adsorption and precipitation reactions, and by diffusion into the pore water of the rock matrix.

Risk A measure of a negative or undesirable impact associated with an event.

Risk assessment see also *Baseline Risk Assessment*

Risk assessment, preliminary A risk assessment conducted using conservative assumptions and scenarios and assuming no mitigating or corrective measures beyond those already in place.

Risk characterization The summarization and integration of the results of toxicity and exposure assessments into quantitative and qualitative expressions of risk. The major assumptions, scientific judgments, and sources of uncertainty related to the assessment are also presented.

Risk management Risk management is the integration of risk characterization with other nonscientific considerations specified in applicable statutes to make and justify regulatory decisions.)

Rinsate Blank See also *Equipment blank.*

Routine analysis The analysis categories of inorganics, metals, organics, radiochemistry and high explosives as defined in the current contract laboratory statement of work.

Routine Data Validation The process of reviewing analytical data relative to quantitative routine acceptance criteria. The objective of routine data validation is two-fold: one objective is to estimate the technical quality of the data relative to minimum national standards adopted by LANL ER; the other objective is to indicate to data users the technical data quality at a gross level by assigning qualifier flags to environmental data whose quality indicators do not meet acceptance criteria.

Sample A portion of a material (e.g., rock, soil, water, air), which, alone or in combination with other samples, is expected to be representative of the material or area from which it is taken. Samples are typically sent to a laboratory for analysis or inspection or are analyzed in the field. When referring to samples of environmental media, the term *field sample* may be used.

Sample matrix In chemical analysis, that portion of a sample which is exclusive of the analytes of interest. Together, the matrix and analytes of interest form the sample.

Screening Action Level (SAL) Medium-specific concentration level for a chemical derived using conservative criteria below which it is generally assumed that there is no potential for unacceptable risk to human health. The derivation of a SAL is based on conservative exposure and land use assumptions. However, if an applicable regulatory standard exists that is less than the value derived by risk-based computations, it will be used for the SAL.

Screening Assessment A process designed to determine whether contamination detected in a particular medium at a site may present a potential unacceptable human health and /or ecological risk. The assessment utilizes screening levels that are either human-health or ecologically-based concentrations derived using chemical specific toxicity information and standardized exposure assumptions below which no additional actions are generally warranted.

Sensitivity An indication of the lowest analyte concentration that can be measured with a specified degree of confidence.

Single blind sample A sample submitted for analysis whose composition is known to the submitter but not to the analyst.

Site characterization The program of exploration and research, both in the laboratory and in the field, undertaken to establish the geological, hydrological, and chemical conditions at a site. Site characterization includes borings, surface excavations, excavation of exploratory shafts, limited subsurface lateral excavations and borings and geophysical testing. **(10 CFR 60.2)**

Site conceptual model A qualitative or quantitative description of sources of contamination, environmental transport pathways for contamination, and biota that may be impacted by contamination (called receptors) and whose relationships describe qualitatively or quantitatively the release of contamination from the sources, the movement of contamination along the pathways to the exposure points, and the uptake of contaminant by the receptors.

Soil gas Those gaseous elements and compounds that occur in the void spaces in rock or soil. Such gases can move through or leave the soil or rock, depending on changes in pressure.

Soil water Water in the unsaturated zone, regardless of whether it occurs in soil or rock.

Solid waste Any discarded material, including any material which is abandoned, recycled, inherently waste-like, or certain military munitions.

Solid waste management unit (SWMU) Any discernible unit at which solid wastes have been placed at any time, irrespective of whether the unit was intended for the management of solid or hazardous waste.

Split sample A sample that has been subdivided into two or more portions expected to be of the same composition. Used to characterize within-sample heterogeneity, sample handling, and measurement variability.

Stakeholder As used in this document, stakeholder refers to any party or agency, whether inside or outside the Laboratory, interested in or affected by Environmental Restoration Project issues and activities.

Standard operating procedure (SOP) A written document that details the method for an operation, analysis, or action with thoroughly prescribed techniques and steps, and is officially approved as the method for performing certain routine or repetitive tasks.

Stratification Classification of the target population into two or more non-overlapping and exhaustive categories (strata) on the basis of characteristics which are known *a priori* for the entire population.

Stratified sample A sample including one or more specimens from each of several subpopulations of the target population. (Note: If the specimens are selected from within each subpopulation using *simple random sampling*, then the sample is called a stratified random sample.)

Stratigraphy The science dealing with the succession, age, composition and history of strata.

Surrogate compound (Surrogate) An organic compound used in the analyses of organic target analytes that is similar in composition and behavior to target analytes but is not normally found in field samples. Surrogates are added to every blank and spike sample to evaluate the efficiency with which analytes are recovered during extraction and analysis.

Target analyte A chemical or parameter, the concentration, mass or magnitude of which is designed to be quantified by use of a particular test method.

Technical area (TA) The Laboratory established technical areas as administrative units for all its operations. There are currently 49 active TAs spread over 43 square miles.

Topography The physical features of a place or region.

Toxic pollutants The 126 individual priority toxic pollutants contained in 65 toxic compounds or classes of compounds (including organic pollutants and metals) adopted by EPA pursuant to Section 307 (a) (1) of the Clean Water Act.

Transmission loss Reduction in surface water flow by seepage into the channel bed.

Transmissivity A measure of the amount of water that can be transmitted horizontally by the full saturated thickness of the aquifer under a hydraulic gradient of 1.

Transport or transportation The movement of a hazardous substance by any mode, including pipeline (as defined in the Pipeline Safety Act), and in the case of hazardous substance which has been accepted for transportation by a common or contract carrier, the term "transport" or "transportation" shall include any stoppage in transit which is temporary, incidental to the transportation movement, and at the ordinary operating convenience of a common or contract carrier, and any such stoppage shall be considered as a continuity of movement and not as the storage of a hazardous substance. **[CERCLA 101(26)]**

Treatment Any method, technique, or process, including elementary neutralization, designed to change the physical, chemical, or biological character or composition of any hazardous waste so as to neutralize such waste, or so as to recover energy or material resources from the waste, or so as to render such waste non-hazardous, or less hazardous; safer to transport, store, or dispose of; or amenable for recovery, amenable for storage, or reduced in volume.

Treatment, storage, and disposal facility (TSDF) Any building, structure, or installation where a hazardous waste has been treated, stored, or disposed. TSD facilities are regulated by EPA and states under RCRA.

Trip blank A sample of analyte-free media taken to the sampling site and returned to the analytical laboratory unopened along with samples taken in the field. Used to monitor cross contamination of samples during handling and storage both in the field and in the analytical laboratory.

Tuff A compacted deposit of volcanic ash and dust that contains rock and mineral fragments accumulated during an eruption.

Ultimate disposal The final disposal of hazardous substances resulting from a removal action. It does not include temporary storage or other temporary measures of managing the waste from a removal action.

Unconfined Said of water in a saturated zone that is open to the atmosphere (that is, not beneath a confining bed or under artesian pressure).

Underflow Groundwater flow beneath the bed of a non-flowing stream; such water is often perched in the channel alluvium atop the bedrock surface.

Underground storage tank (As defined in Section 9001(1) of the Solid Waste Disposal Act) The term "underground storage tank" means any one or combination of tanks (including underground pipes connected thereto) which is used to contain an accumulation of regulated substances, and the volume of which (including the volume of the underground pipes connected thereto) is 10% or more beneath the surface of the ground. Such term does not include any

(A) farm or residential tank of 1,100 gallons or less capacity used for storing motor fuel for noncommercial purposes;
(B) tank used for string heating oil for consumptive use on the premises where stored;
(C) septic tank;
(D) pipeline facility (including gathering lines) regulated under
  i) the Natural Gas Pipeline Safety Act of 1968 (49 USC App. 1671 et seq.),
  ii) the Hazardous Liquid Pipeline Safety Act of 1979 (49 USC App. 2001 et seq.), or
  iii) which is an intrastate pipeline facility regulated under state laws comparable to the provisions of law referred to in Clause (i) or (ii) of this subparagraph;
(E) surface impoundment, pit, pond, or lagoon,
(F) storm water or waste water collection system;
(G) flow-through process tank;
(H) liquid trap or associated gathering lines directly related to oil or gas production and gathering operations; or
(I) storage tank situated in an underground area (such as a basement, cellar, mine working, drift, shaft, or tunnel) if the storage tank is situated upon or above the surface of the floor.

Unrestricted area Any area, access to which is not controlled by the licensee for purposes of protection of individuals from exposure to radiation and radioactive materials and any area used for residential quarters. **(10 CFR 60.2)**

Unsaturated zone The zone between the land surface and the regional water table. Generally, fluid pressure in this zone is less than atmospheric pressure, and some of the voids may contain air or other gases at atmospheric pressure. Alternatively, the unsaturated zone generally has moisture contents less than saturation.

Water balance The relationship between water input (precipitation) and output (runoff, evapotranspiration, and recharge) in a hydrological system; the portioning of precipitation into these components of the hydrological cycle.

Water content (also gravimetric moisture content) The amount of water in an unsaturated medium, expressed as the ratio of the weight of water in a sample to the weight of the oven-dried sample; often expressed as a percent.

Water table The top of the saturated zone; the water level associated with an unconfined aquifer.

Welded Tuff A volcanic deposit hardened by the action of heat, pressures from overlying material, and hot gases.

APPENDIX B OPERATIONAL AND ENVIRONMENTAL SETTING

APPENDIX B OPERATIONAL AND ENVIRONMENTAL SETTING

The following information was reproduced from: the Executive Summary, page E-2; Chapter 2, pages 2-1 to 2-9; Chapter 3, pages 3-1 to 3-23; and Appendix E, pages E-2 to E-10, of the RFI Work Plan for OU 1086 (LANL 1993, ER ID No. 20946). Certain terminology in the work plan is no longer in use. Therefore, current terms are added in brackets following the out-of-date terms in this quotation.

B-1.0 OPERATIONAL HISTORY AND LAND USE

Technical Area 15, also known as R-Site, occupies a portion of Three-Mile Mesa on Pajarito Mesa near the southwestern boundary of LANL. TA-15 occupies approximately 1200 acres. TA-15 is bounded by TAs 66 and 67 to the north, TAs 14, 16, 37, and 49 to the west and south and TA-36 to the east. The relatively flat surface of Three-Mile Mesa on the Pajarito Plateau encompasses most of TA-15, but steep-walled Water Canyon traverses the southern site boundary and Potrillo Canyon intersects the main portion of Three-Mile Mesa, dividing the Mesa into two firing site areas on PHERMEX Mesa and Mesita del Potrillo. Sections B-2 through B-4 provide additional information on the TA-15 environmental setting. Figure B-1.0-1 shows an aerial view of LANL including TA-15.

Figures B-1.0-2 and B-1.0-3 show the regional location of LANL and the location relative to other LANL sites and perimeter properties. Figure B-1.0-4 shows a site diagram of TA-15 and its associated PRSs, A topographic map of TA-15 is contained in Appendix A of the RFI Work Plan for OU 1086 (LANL 1993, ER ID No. 20946). Detailed engineering drawings, site maps, survey coordinates for shafts and Material Disposal Areas (MDAs) N and Z [SWMU nos. 15-007(a) and 15-007(b), respectively] and other information relevant to the TA-15 RFI are contained in Appendix D of the RFI Work Plan for OU 1086 (LANL 1993, ER ID No. 20946).

Much of TA-15 has been used from the mid-1940's to the present time for explosives experiments. In that capacity, test explosions ranging from a few kilograms of high explosives to as much as 650 kg were conducted in arrangements that duplicate many of the components of a nuclear weapon, with the exception of the fissionable materials. These components sometimes contained multi-kilogram quantities of natural uranium metal, depleted uranium metal, and lesser quantities of beryllium, and other metals. In most cases, the tests were carried out above ground, which resulted in the test materials being scattered over areas with radii up to several hundreds of meters. Based on LANL records, some 75 metric tons of natural and depleted uranium have been expended at the firing sites on TA-15 since the mid-1940's.

History

This section describes the prehistoric use, early use, and LANL acquisition of Three-Mile Mesa and the historical development, environmental monitoring, and hazard ranking of TA-15.

Prehistoric Use

Three-Mile Mesa has seen extensive prehistoric use (Steen 1977, ER ID 7148; Steen, 1982, ER ID 6056). Ruins and artifacts are widespread across the mesa top, including some near PRSs. An archaeological survey, carried out in conjunction with the TA-15 RFI, documents this use and assesses the potential RFI impact on cultural resources (Section B-6.0 of this Appendix). It is expected that a categorical exclusion for TA-15 RFI activities will be issued by the DOE.

Early Uses and LANL Acquisition

Much of the Pajarito Plateau, including present-day TA-15, was part of the Ramon Vigil land grant. In the late 1800s and early 1900s, the Pajarito Plateau, including portions of Three-Mile Mesa, was used for ranching, farming, and/or timber production.

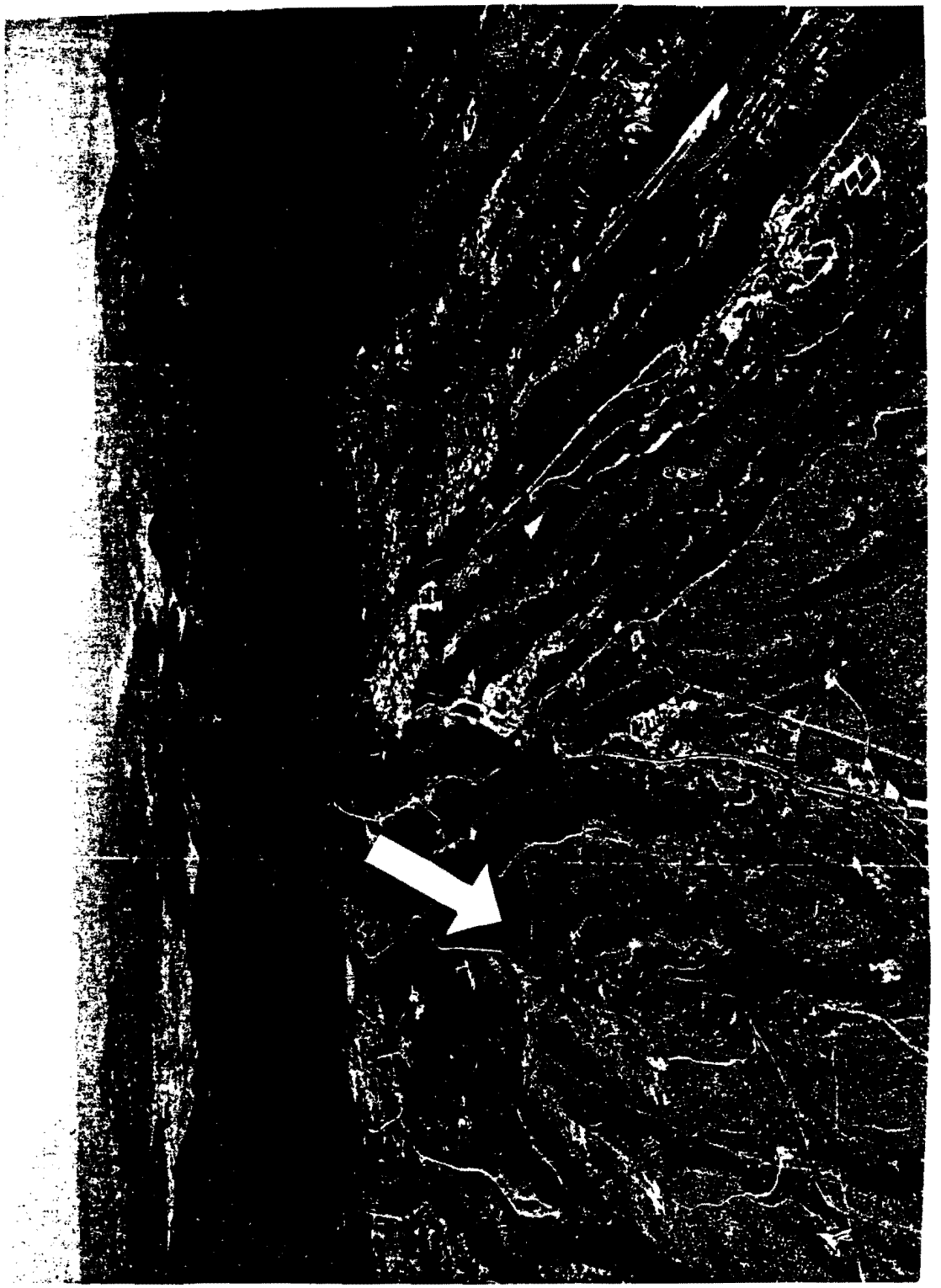


Figure B-1.0-1 **Aerial view of Los Alamos, July 1989. TA-15 shown on left side.**

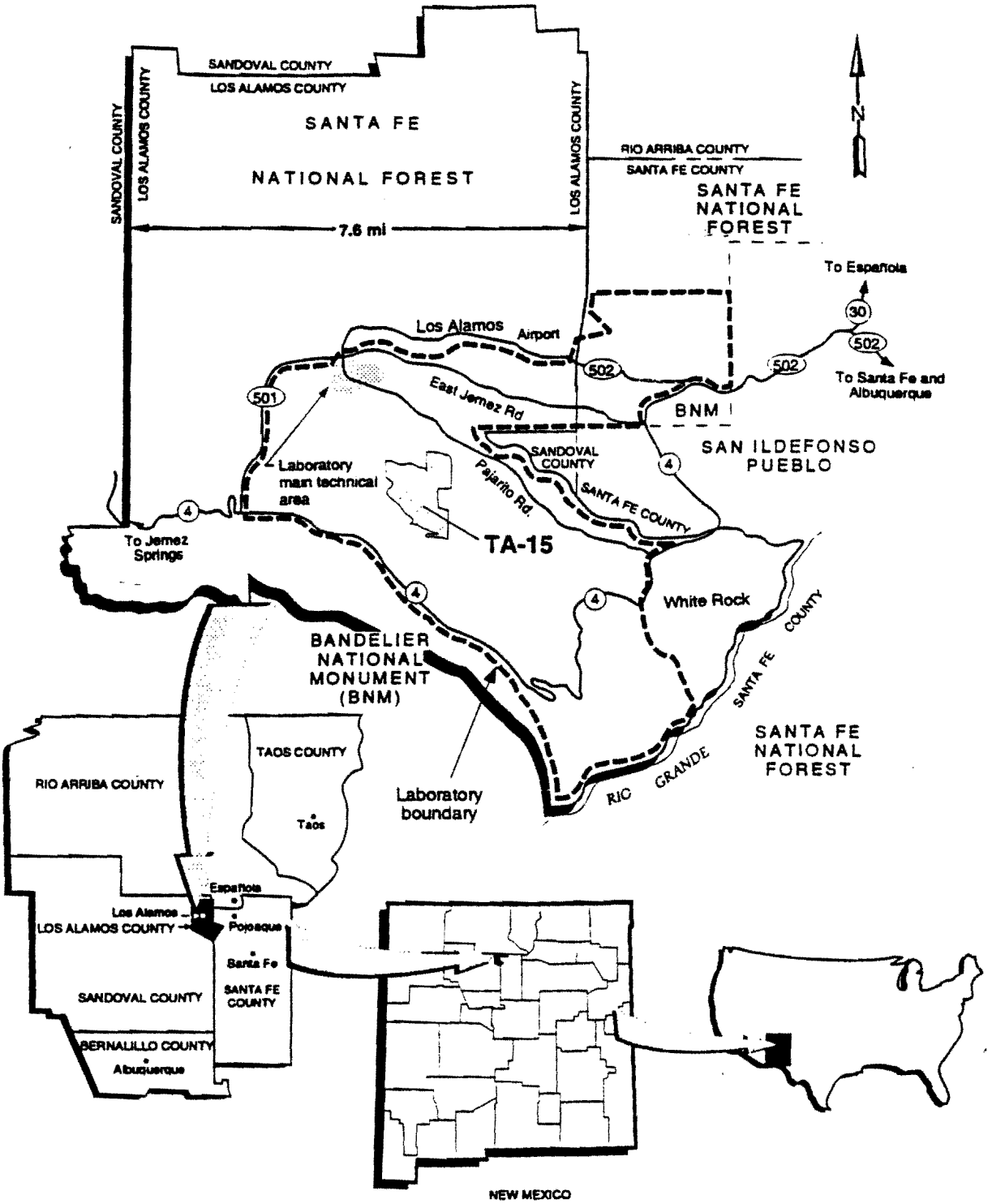


Figure B-1.0-2 Regional location of TA-15

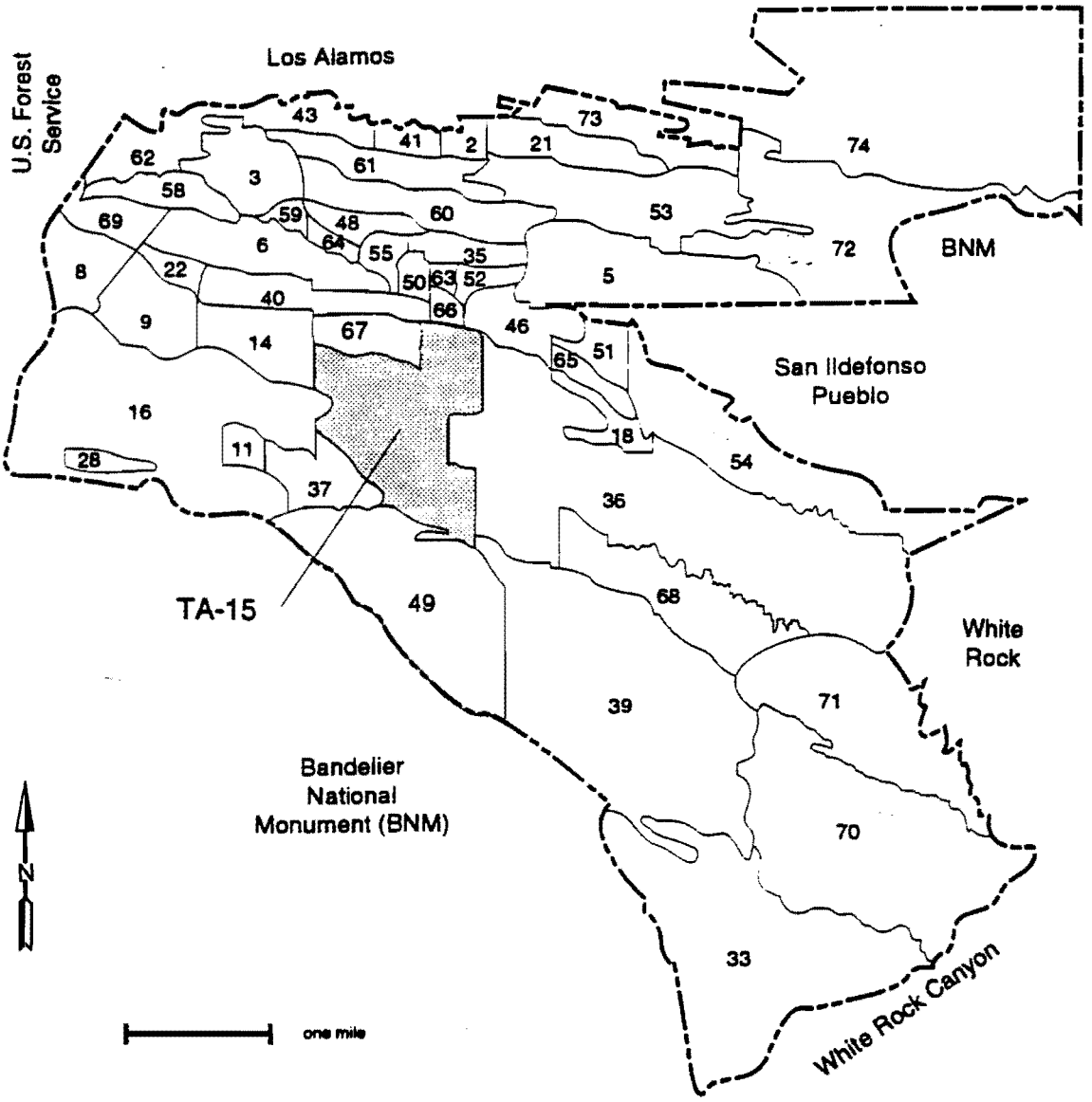


Figure B-1.0-3 Location of TA-15 in relation to other TAs and landholdings surrounding LANL.

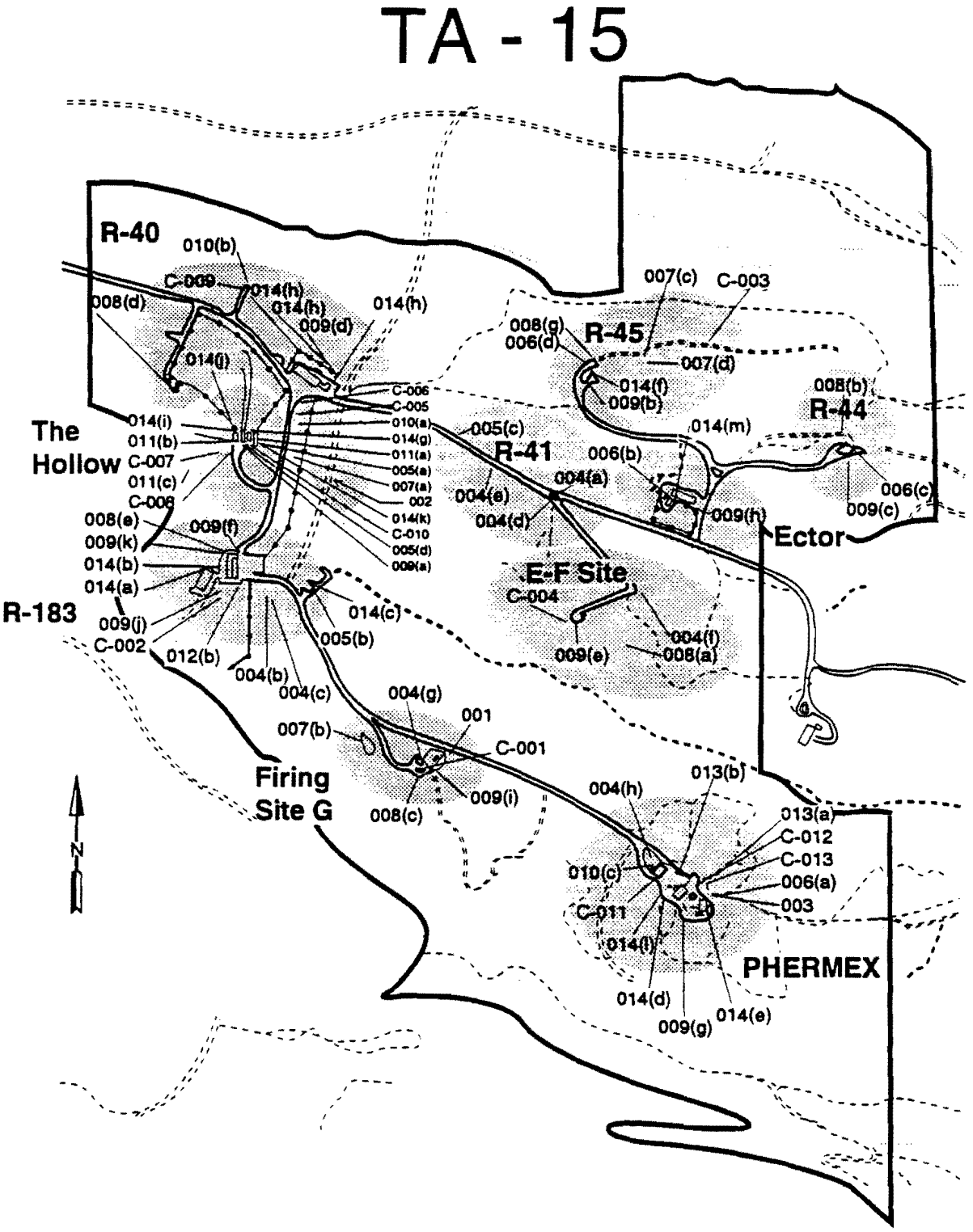


Figure B-1.0-4 **TA-15 site diagram showing Potential Release Sites (PRSs).**

Three-Mile Mesa was added to the Santa Fe Forest Reserve together with the rest of the Jemez Section in 1915. The area encompassing present-day TA-15 was acquired from the US Forest Service (Santa Fe National Forest) in two parcels. From the time of its acquisition by LANL in the 1945 to the present day, the portion of Three-Mile Mesa that contains TA-15 has encompassed a number of firing sites.

Historical development of TA-15

In 1944 a small control building and two firing sites-one for quantities of high explosives (HEs) up to 50 lb. and the second for larger amounts – were established on TA-15. The exact location of these two firing sites and the types of tests that were carried out have not been determined definitively in a search of the archives, but it is probable that these became Firing Points A and B. Firing Point A was probably in use by the end of 1944, and nearby Firing Point B shortly thereafter. In 1946 the decision was made to make TA-15 into a permanent location for explosive experiments related to the design of nuclear weapons, which could and did involve experiments with up to 2 tons of HEs. By 1947 Firing Points C, D, and E-F were in use. In 1948 Firing Points G and H were added. Firing Points A-H are not used today, and most of the structures associated with these firing sites have been decommissioned and dismantled. The hazardous materials used in these explosion tests, such as uranium, beryllium, and lead, have largely been left in place at the firing sites where the materials were deposited by the explosion or pushed aside to clean the area. Other materials that may have been deposited include steel, aluminum, mercury, boron, cadmium, gold, and tritium, although in very small amounts. Many types of HEs have been used at these sites, and they certainly have left some inorganic residues, but no unexploded HEs have been found in analyses at firing site soils. Firing Point E-F was the most heavily used and contains the largest quantities of hazardous materials. Up to 65 000 kg of uranium and approximately 350 kg of beryllium have been expended in tests at Firing Point E-F.

Areas R-40, R-183, and The Hollow are areas containing office buildings in support of TA-15 operations. (See Figure B-1.0-4). The buildings in The Hollow have been assembled since 1949 and are intimately connected. The buildings at R-40 have been in place since the early 1950s, and those at R-183 since the early 1960s. Related to those buildings and the surrounding areas are a number of PRSs involving septic tanks, sumps, drainage ditches, outfalls, container storage areas, and other operational releases.

In the 1950s, Firing Sites R-44 and R-45 were completed. Since then, these sites have been used for various explosive tests, with R-45 for smaller tests and R-44 for larger tests. Firing Sites R-44 and R-45 were decommissioned in 1995 and are no longer in use.

The PHERMEX facility was built in the early 1960s to perform dynamic radiography of the components of nuclear weapons during the explosion. A second major dynamic radiographic machine named Ector, was installed in the early 1985 for studies similar to those at PHERMEX. A new facility known as DARHT (Dual-Axis Radiographic Hydrodynamics Test) is under construction.

Further details and references on the historical development of operations at TA-15 are given in the description of individual PRSs, Chapters 5-10 of the RFI Work Plan for OU 1086 (LANL 1993, ER ID No. 20946).

Environmental Monitoring at TA-15

A number of different environmental monitoring procedures currently are followed at TA-15. First, all explosive tests on TA-15 are carried out according to approved standard operating procedures (SOPs). In any experiment involving potentially hazardous materials, such as depleted uranium and beryllium, monitoring procedures are called out in the SOP for times during and immediately after the experiments to assure that workers on site may approach the firing pad safely. Second, prior to any construction on TA-15, the area involved in the construction is surveyed with a portable survey instrument capable of detecting gamma rays. As appropriate, solid samples also are taken for analysis of hazardous materials.

In addition any construction also must go through an extensive LANL environmental safety and health (ES&H) process. Construction can proceed only if these surveys and sample analysis show that it is safe to do so. Thirdly, periodic surveys are carried out on active firing sites such as PHERMEX, and Ector to assure that an unexpected build-up of uranium and/or beryllium is not taking place. The last survey was conducted in 1991.

In addition, air samplers and other means for detecting airborne contamination have been deployed during some of the explosions. The information obtained leads to the conclusion that only small amounts of the materials have been aerosolized and carried along with the wind. LANL has used results from these tests to estimate that the maximum amount of uranium and beryllium aerosolized in any test is 10% and 2%, respectively (Dahl and Johnson 1977, ER ID 58992).

In addition, site monitoring has been done at TA-36, the technical area immediately east of TA-15, and results have been reported in LANL's annual environmental sampling reports, which extend back to 1970 (e.g., Environmental Protection Group 1990, ER ID 06995).

Groundwater from two supply wells, PM-2 and PM-4, located in TA-36 (due east of TA-15) has been tested for radioactive and primary and secondary chemical constituents. Contamination has not been detected in the water supply wells in 1990 (Figure B-1.0-5). There are no wells at TA-15 for direct monitoring.

Hazard Ranking of TA-15

In 1987, the EPA and DOE used the EPA Hazard Ranking System (HRS) and the DOE-modified HRS to assess the potential for migration of chemical and radioactive contaminants (DOE 1987, ER ID No. 8657). Despite the existence of uranium and beryllium spread over the surface of some of the firing sites at TA-15, the maximum overall migration mode score of 9.9 and direct contact score of 4.2 reflect low potential for contaminant migration and exposure and are far below the score of 28.5 required by the EPA for the site to be included in the National Priorities List (CERCLA "Superfund" list).

Past Waste Management Practices

Firing site experiments, sanitary wastes, and cleanup wastes at TA-15, together with current conditions in that area, are discussed in the following subsections.

Firing Site Experiments

Because of the remote location of TA-15 in relation to the main population living in Los Alamos County and to the main body of employees working at LANL, the explosions were usually not set off inside containment vessels, but rather in the open air. The by-products of the explosion were allowed to expand freely and to settle back on the ground in the vicinity of the experiment. Each explosion, depending on the amount of HEs, had a hazard radius associated with it in which personnel must be under protective cover during the actual explosion, and this radius was calculated before each experiment. The area on which the main portion of the hazardous material was scattered was much smaller than this administrative hazard radius. After each experiment, the area nearby the center of the explosion was cleared of physical debris to accommodate the next experiment. Periodic surveys were conducted to determine the extent of the most contaminated portion of the firing site. In some of the firing sites, sandbags, (filled with sand or a concrete mixture), and steel blast mats were used to protect nearby buildings. When the sandbags and mats deteriorated, they were removed and replaced with fresh sandbags and mats. In the past, this debris was placed in Material Disposal Area Z (MDA-Z), SWMU 15-007(b) at Firing Site G (DOE 1987, ER ID No. 8657), but this practice was stopped about 1981 when LANL began to truck such debris as low-level radioactive waste to the TA-54 landfill.

Although MDA-Z is no longer used, it has not been covered or reclaimed.

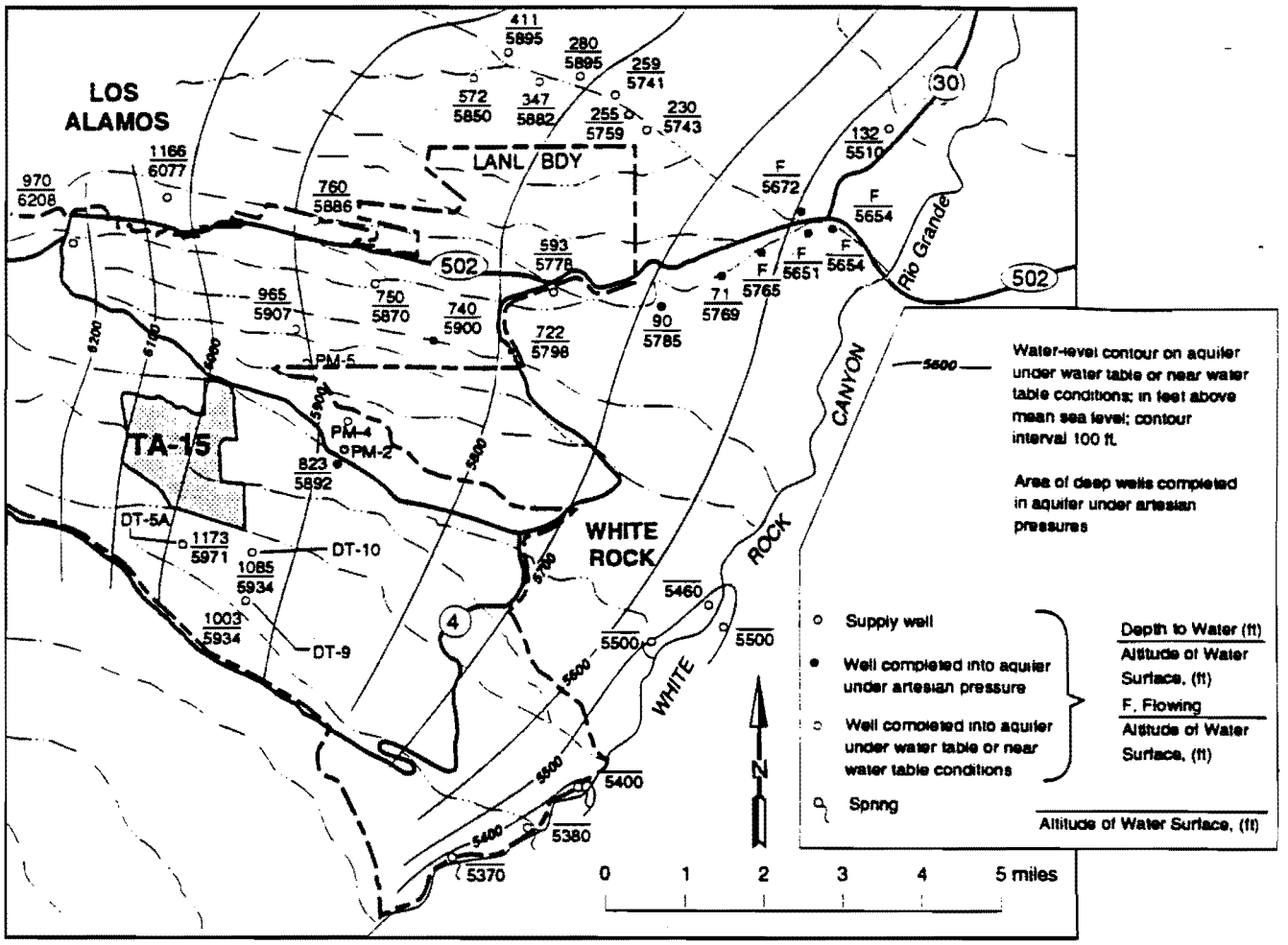


Figure B-1.0-5 **Surface and groundwater sampling locations within and near LANL (Purtymun and Johansen 1974, ER ID 11835)**

Currently the same procedures are used for firing site experiments. However, the size of the shots is dramatically lower. The maximum used [in the last 10 yr.] between 1983-1993 for a single shot is about 45 kg high explosive (HE), well under the limit imposed in 1982 of 67 kg (150 lb.) for the new firing bunkers at R-306 and R-310. The limit at PHERMEX remains 450 kg (1000 lb.).

Sanitary Wastes

The overflow from each sanitary waste line, until the mid 1970s, emptied through an outfall into one of the nearby canyons. In the mid 1970s a sump was constructed in the exit line from five of seven septic tanks, and the outfalls from six of seven septic tanks were plugged. The remaining unplugged outfall [SWMU 15-009(e) receives only sanitary waste. The main use of these septic systems was for the disposal of sanitary sewage. However, there is some evidence that an outfall from one of the buildings (TA-15-40) probably was used to dispose of photographic solutions, and another septic system (shop TA-15-8) probably contains some HEs from machining of HEs there.

Table B-1.0-1 lists the National Pollutant Discharge Elimination System (NPDES) outfalls.

TABLE B-1.0-1
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM OUTFALLS.

Building Number Category	SWMU Number	Type of Discharge	NPDES	
			Serial #	Status
194 04A	15-014(i)	Noncontact cooling water	093	Eliminated 1992
184 04A	15-014(e)	Noncontact cooling water	139	Submitted to EPA 11/87
306 04A	15-014(m)	Noncontact cooling water	143	Submitted to EPA 1 1/87
183 06A	15-014(a)	Photo wastes	123	
202 (CT) 03A	-	Treated cooling water	028	

Cleanup Wastes

Material Disposal Area-N (MDA-N), SWMU 15-007(a) to the south of R-40 was used prior to 1965 for disposal of debris from the dismantlement of structures within TA-15. Whether this material is contaminated with hazardous material is not known. Personnel acquainted with the area believe that the amount of any radioactive material is low because structures were usually surveyed for radioactive contamination before being torn down. In 1967, a major cleanup effort was carried out to remove unused structures. In this case the surveys are well-documented (Courtright 1965, ER ID 5282; Buckland 1965, ER ID 5305 and Courtright 1967, ER ID 05350) and the structures were shown to be free from radioactive and HE contamination. This debris was removed from TA-15.

From approximately 1965 to 1981, construction debris, used sandbags and other shielding from tests at PHERMEX, and other miscellaneous debris were deposited in MDA-Z, SWMU 15-007(b), located on the south mesa of TA-15.

Current Conditions at TA-15

TA-15 is an active technical area of LANL used by one group [(M-4)] DX-4 of the [Explosives Technology and Applications (M)] Dynamic Experiments Division for on-going explosion research. Planning for future

LANL use of this area also stipulates that the area will continue to be used for explosion research (Facilities Engineering Division Planning Group et al. 1990, ER ID 57223).

Access to TA-15 is controlled by this DX-4 [M] Division operating group. Because most work on this site is classified, only Q-cleared personnel can routinely enter this site as far as its group office. In addition, permission and control keys must be obtained from [Group M-4, hydrodynamics] DX-4, Field Operations and Experimental Support, before an individual may proceed to the firing sites located beyond the group or engineering offices.

Access to and from Water Canyon and Potrillo Canyon also is controlled by the [M Division Office] DX-4 Group Office, which maintains control of keys to the canyon access road gates.

In the ongoing LANL Environmental Surveillance Program, water samples are collected at least annually from two deep water supply wells located at TA-36 due east of TA-15 and also from three wells at TA-49, due south of TA-15. Sediment stations down-gradient from TA-15 in Water Canyon and Potrillo Canyon are also sampled annually. Air and air radiation monitoring stations are present at TA-49 near the State Road 4 gate and throughout LANL (see Figure B-1.0-6). The environmental measurements obtained from these air monitoring stations, over three decades, have given no evidence that contaminants attributable to past or present TA-15 operations have been transported beyond the technical area boundaries.

The environmental surveillance report for studies in 1989 (Environmental Protection Group 1990, ER ID 06995) indicates that the DOE radiation protection standard (RPS), under which LANL operates, limits incremental radiation doses (effective dose equivalent) to the general public from all LANL operations to 100 mrem/yr from all pathways. In addition, the air pathway exposure route is limited to 10 mrem/yr in accordance with EPA requirements. For comparison, the average background radiation exposure to individuals living in Los Alamos is approximately 336 mrem/yr from all sources (Environmental Protection Group 1990, ER ID 06995). Nearby TA-49 radiation monitoring stations have never measured radioactivity levels more than 1% of applicable DOE or EPA guidelines.

The ESG report for environmental surveillance during 1989 estimates that the maximum incremental risk of cancer from radiation to Los Alamos residents as a result of all 1989 LANL operations is about 1 by 10^{-8} (Environmental Protection Group 1990, ER ID 06995). Of that risk, the contribution from TA-15 is exceedingly small.

Local Populations

Section 2.5 of the IWP describes the population distribution within a 50-mile radius of LANL. The IWP presents a table documenting population density at nine distance intervals for 16 compass directions, based on 1989 projections from 1980 census data. Newer data from the 1990 census give the total number of residents within the 50-mile radius of LANL as 213 000. About 50 people normally reside at Bandelier National Monument (BNM). BNM operates a remote radio transmitter near the main gate to TA-49, but no other use (including hiking trails) is currently made (or is planned) of BNM property south of TA-49 to Frijoles Canyon. Most people at Bandelier are visitors who spend only a few hours there. About 350 000 people visited BNM in 1990.

The two next closest residential communities to TA-15 are located 6 km to the east in White Rock, and the town-site of Los Alamos, which lies approximately 7 km to the north. The 1990 census gives the population of White Rock as 6800 and of Los Alamos as 11 400.

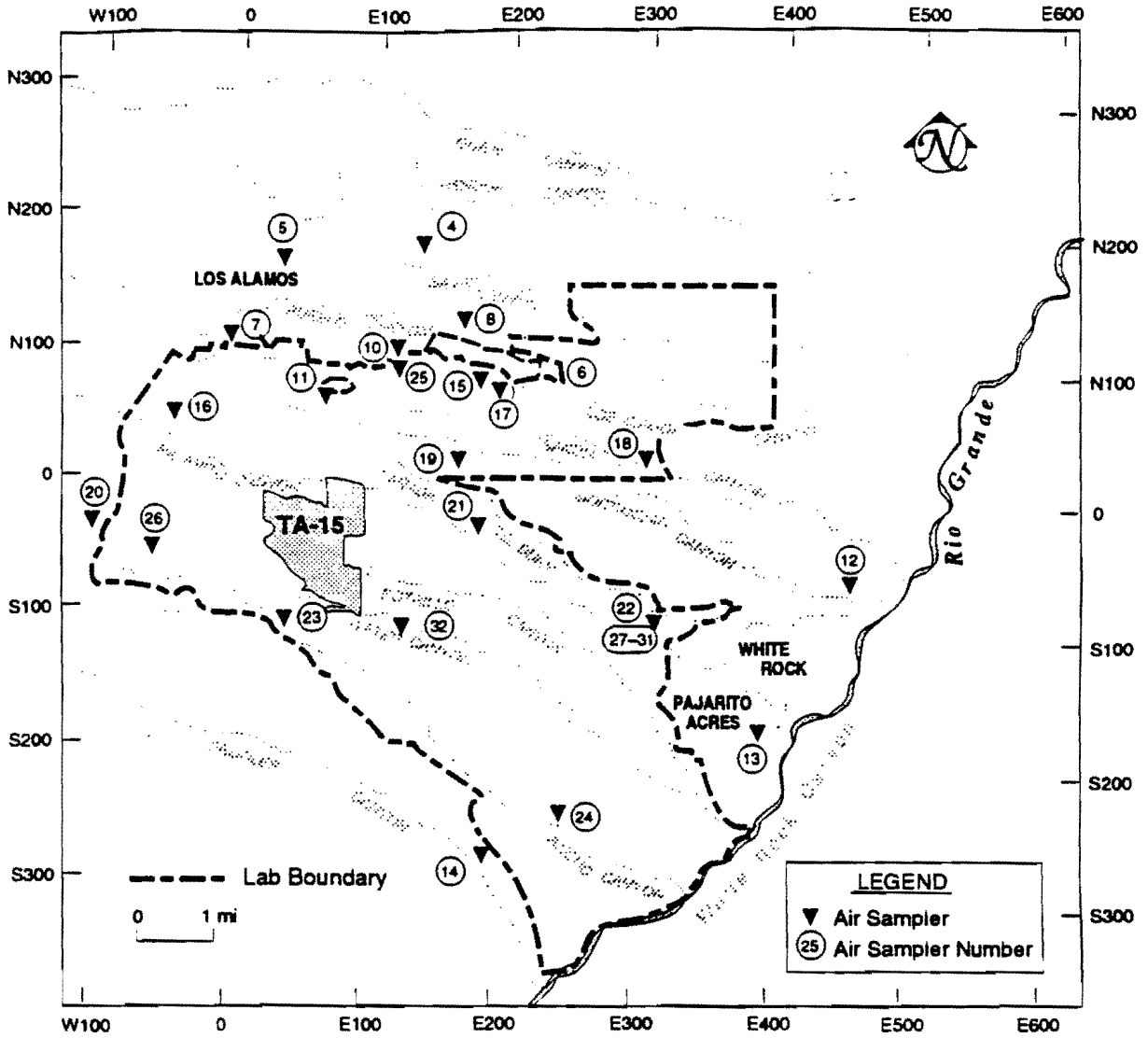


Figure B-1.0-6 **Locations on or near LANL for sampling airborne radionuclides (Environmental Protection Group 1990, ER ID 06995).**

State Road 4 is a publicly accessible road along the southern boundary of TA-49, south of TA-15. According to the LANL's Engineering Division, yearly average traffic on this road is about 700 vehicles per day. The point of closest public approach to a TA-15 PRS (PHERMEX) is about 2 km.

Sources of Information

Available environmental data for TA-15 were acquired by using current standard practices and methods. No attempt has been made to validate these data in the EPA sense of the term. These data are used in this document as a guide to RFI characterization and sampling.

Many key personnel involved in the activities at TA-15 since its beginning in approximately 1944 were interviewed directly. Among these individuals are scientists who carried out experiments at each of the named inactive firing sites located on TA-15 as well as at the current active firing sites.

Other sources of information also have been used.

- LANL's environmental monitoring network. This network includes on-site stations as well as perimeter and regional stations that are not influenced by LANL operations. These studies are reported in annual reports of the environmental surveillance group.
- Special studies conducted at LANL and in the region. Researchers collected environmental data for these studies in areas unaffected by LANL operations. These studies are described in periodic LANL reports.
- General environmental data. These data address the behavior of chemicals, elements, and radionuclides in natural systems. These reports are available in peer-reviewed scientific literature.
- Unpublished internal LANL memoranda, reports, and drawings.
- Published special studies carried out over a period of years on Firing Site E-F.

B-2.0 CLIMATE

Climate is important in terms of contaminant migration because of wind-driven airborne transport and because of the role of surface water in the magnitude and frequency of erosion, as well as its horizontal and vertical transport properties. The local climate at OU 1086 varies only slightly from the Los Alamos area climate as reported in Chapter 2 of the Installation Work Plans (IWP) (LANL 1993, ER ID No. 260771). A major climatalogic data collection station for Los Alamos, which provides the information for this climatologic summary, was located until recently at TA-59. (There are currently four meteorological stations around LANL.) This site was located about 2.5-km northwest and 30.5 m higher in elevation than building TA-15-40 at TA-15. Precipitation on the Pajarito Plateau is strongly correlated with topography and proximity to the Sierra de los Valles. There is a pronounced annual rainfall gradient from west to east, with the largest values on the west end, closest to the Sierra de los Valles the topographic high of the area. Taking into account this factor, we estimate the average annual rainfall at OU 1086 to be about 16 in. annually, or about 2 in. less than the 18 in. reported at TA-59 (Bowen 1990, ER ID 6899). The reason for this difference is that OU 1086 is farther east and topographically lower than TA-59. Lower precipitation is manifested in amounts of both rainfall and snowfall.

LANL currently maintains two climatologic data collection stations near OU 1086. One station is the TA-6 meteorology tower, located about 2.04-km northwest of OU 1086. This tower replaced a station at TA-59 as a primary climatologic reporting station for Los Alamos in January 1990. A second climatologic data collection station is located at TA-49 about 3.72-km southeast of OU 1086 and near LANL boundary with Bandelier National Monument (BNM). This station has been in operation since 1987. Both stations report

precipitation, wind direction and speed, relative humidity, temperature, and solar radiation. A third station that measures precipitation and temperature during nonfreezing days is located about 4.6 km to the east in TA-36.

The predominant prevailing wind direction is from southwest to the northeast (Figure B-2.0-1). Surface winds will vary with the time of day, location on the Plateau, and height above the ground because of the area's complex terrain. When the large-scale wind velocities are relatively low and there is sunshine, a superimposed convective, upslope wind develops over the Plateau (flow from southeast to northwest). During clear, relatively calm nights, the flow direction reverses, and a shallow drainage wind (flow from west to east) can develop down the canyons. These upslope/drainage winds prevail at locations some distance from the Rio Grande and are expected to occur at OU 1086.

It has been observed that the mean maximum temperatures are higher in White Rock than in Los Alamos for all months, and the mean minimum temperatures are generally lower in White Rock. Temperature differences for the mean maximum and mean minimum are usually less than 5•F. Temperatures at OU 1086 are expected to range between the Los Alamos and White Rock values.

B-3.0 GEOLOGY

B-3.1 Geologic Setting

TA-15 occupies roughly a rectangular area, about 2.1 km wide by 2.4 km long (see topographic map in Appendix A of the 1993 RFI Work Plan [LANL 1993, ER ID 20946]). The northern boundary is formed by the stream channels in Pajarito and Three-Mile canyons along TAs-46, 66, and TA-67. The area is bounded on the west by TA-14 and the stream channel of Cañon de Valle along TA-16 and TA-37. TA-49 on the southern margin of Water Canyon forms the southern boundary, and TA-36 forms the eastern boundary. The topography is rugged, characterized by relatively narrow mesa tops separated by elongated canyons; the predominant axis of both mesas and canyons is west-northwest to east-southeast.

Five canyons dissect the operable unit; from north to south they are Pajarito Canyon, Three-Mile Canyon, Potrillo Canyon, Cañon de Valle, and Water Canyon. Water and Pajarito canyons head on the flanks of the Sierra de los Valles. Related to this position, they have relatively large watershed areas compared with other watersheds on the Pajarito Plateau and are the deepest canyons in the operable unit. Cañon de Valle also heads in the Sierra de los Valles but has a smaller watershed area and joins Water Canyon within the boundary of the operable unit. Potrillo and Three-Mile canyons are small canyons heading on the Pajarito Plateau. Potrillo Canyon headwaters are located completely within the operable unit, and Three-Mile Canyon has its headwaters relatively close, but upstream of the operable unit boundaries. Both of these canyons have relatively small watershed areas and are shallower than the other canyons. Three-Mile Canyon joins Pajarito Canyon a short distance downstream from the OU boundary. Potrillo Canyon flows into Water Canyon about 8 km downstream from TA-15. None of these canyons contains perennial flow within this TA.

There is a considerable elevation difference between mesa tops and canyon bottoms, averaging a minimum 30 m vertical drop with a maximum of about 110 m. The maximum elevation of OU 1086 is 2234 m on the mesa west of building TA-15-40, and minimum elevation is 2048 m in Water Canyon. Mesa tops are generally flat and gently slope to the east-southeast. Canyon walls are steep to nearly vertical, ending in large piles of talus at the canyon wall/canyon bottom junction. Canyon bottoms are generally narrow, with steep stream channel gradients.

The entire TA, both mesa tops and canyon bottoms, is situated within the Bandelier Tuff, a thick sequence of volcanic ash flows and ash falls on the Pajarito Plateau. In the absence of additional structures, such as faults and fractures, the horizontal uniformity in rock type implies relative uniformity in surface hydrologic and geologic properties throughout the immediate area.

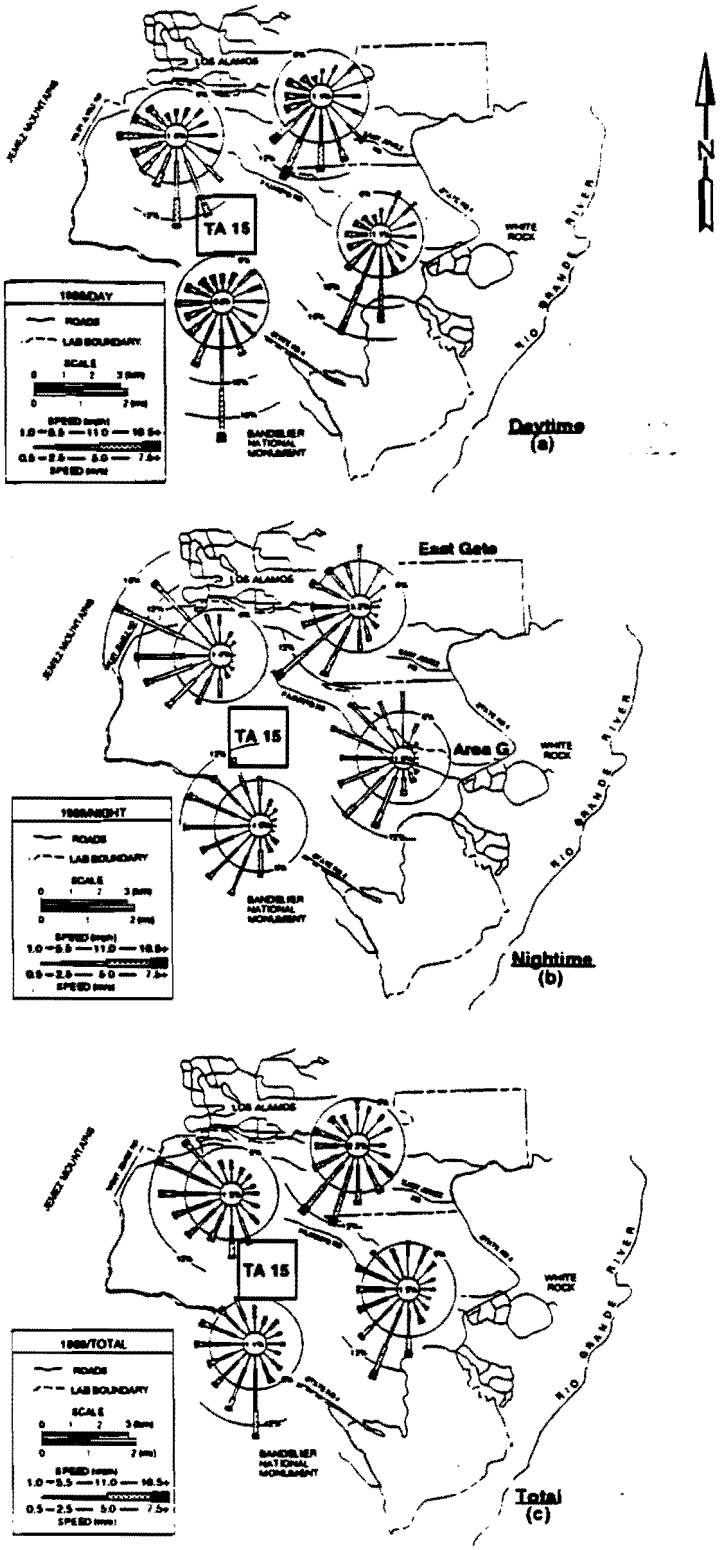


Figure B-2.0-1 **Wind roses at LANL stations during 1989 (from Environmental Protection Group 1990, ER ID 06995).**

Stratigraphy

The mesa surfaces in TA-15 are underlain by the upper member of the Bandelier Tuff. The Bandelier comprises two members: upper, or Tshirege, and lower, or Otowi (Figures B-3.1-1 and B-3.1-2). The younger Tshirege unit is about 1.1 million years old and is separated in time from the Otowi by about 400 000 years. Most of the soils described in Subsection B-3.2 are derived from the Tshirege. The Tshirege forms the canyon walls throughout TA-15 and is the only rock in the stratigraphic column exposed at this site.

The Tshirege (Smith and Bailey 1966, ER ID 21584) consists of multiple flow units of crystal-rich ash-flow tuff and displays significant variations in welding and vapor phase alteration. The Tshirege is underlain by the Tsankawi Pumice Bed (less than 1 m thick) that, in turn, marks the boundary between the Tshirege and the Otowi. The Otowi Member is a nonwelded vitric ash-flow tuff also composed of many units. These two members are separated by an erosion surface that may contain extensive permeable channel gravels and sands (Gardner 1993, ER ID 12582). Total thickness of Bandelier Tuff in the TA-15 area is about 300 m.

Although Cerro Toledo Rhyolite is present in adjacent OUs., it is not present at this OU to our knowledge.

The Bandelier Tuff in the vicinity of TA-15 rests unconformably upon a number of interfingered deposits of Pliocene to Pleistocene epochs. The Tschicoma lobate dacite and andesite lava flows of the Tshicoma Formation from the west interfinger with the Puye Formation. The Puye Formation is derived from the Tschicoma volcanic centers located in the northeastern range of the Jemez Mountains. The Puye Formation consists of stream flow deposits, debris flow deposits, volcanic ash and block flow deposits, and ash fall and pumice fall deposits. The Cerros del Rio basalts, flowing into the area from the east interfinger in turn with these two formations. Water wells indicate that each of these may unconformably contact the Bandelier Tuff under TA-15 (Gardner and House 1987, ER ID 6682).

The Totavi Lentil, a coarse, poorly consolidated channel conglomerate deposited by the ancestral Rio Grande, forms a boundary at the base of the Puye between it and the Santa Fe Group sediments. The Santa Fe Group is a sedimentary rift deposit consisting of fluvial sandstone, siltstone, conglomerates, eolian deposits, ash beds, and lacustrine sediments of Miocene and younger age. The deep groundwater system in the Los Alamos area lies in the Puye and the Santa Fe formations.

Figure B-3,1-2 is a cross section between two wells, PM-4 and DT-5A (see Figure B-1.0-5 for locations). These wells provide some conceptual stratigraphic control for the eastern part of TA-15. No actual stratigraphic control exists between the two wells; therefore, the interfingering of Tschicoma, Puye, and Chino Mesa rocks is shown schematically. The Tshirege is differentiated into subunits for well DT-5A but not for PM-4. As the Tshirege Member encompasses the TA-15 area and is the only rock exposed at the surface, some details of the petrology and stratigraphy of this unit are included in the following discussion.

Weir and Purtymun divide the Tshirege Member into seven units: (Weir and Purtymun 1962, ER ID 11890): 1A, 1B, 2, 3, 4, 5, and 6. The best exposure of these units occurs in Water Canyon in the vicinity of TA-15 and to the south. Unit 1A overlies the Otowi Member. It is a light gray to light pinkish gray, pumiceous, friable rhyolite tuff. It underlays unit 1B, a light gray to light orange rhyolite ash flow tuff containing lenses of rock fragments and pumice. Unit 2 is a hard, welded, light pinkish-gray to purplish-gray rhyolite tuff overlying 1 B. Unit 2 may be divided into subunits 2a and 2b. Unit 2a is a nonwelded, pumice rich tuff and 2b is a moderately to densely welded, tan to brown tuff (Baltz et al.1963, ER ID 8402). This unit is exposed near the bottom of the deepest canyons in the neighborhood of TA-15, i.e., Water Canyon. Unit 3 is a friable, pumiceous, light gray rhyolite tuff. Unit 4 is a moderately welded, cliff-forming, light-pinkish gray rhyolite tuff. Unit 5 (not shown in Figure B-3.1-2) is a thin deposit, possibly of surge material. Unit 6, the uppermost unit, is a moderately welded, pinkish-gray rhyolite tuff. It forms the upper cliff in the Tshirege in the TA-15 area. Detailed petrology of each of these units may be obtained from Weir and Purtymun (Weir and Purtymun 1962, ER ID 11890).

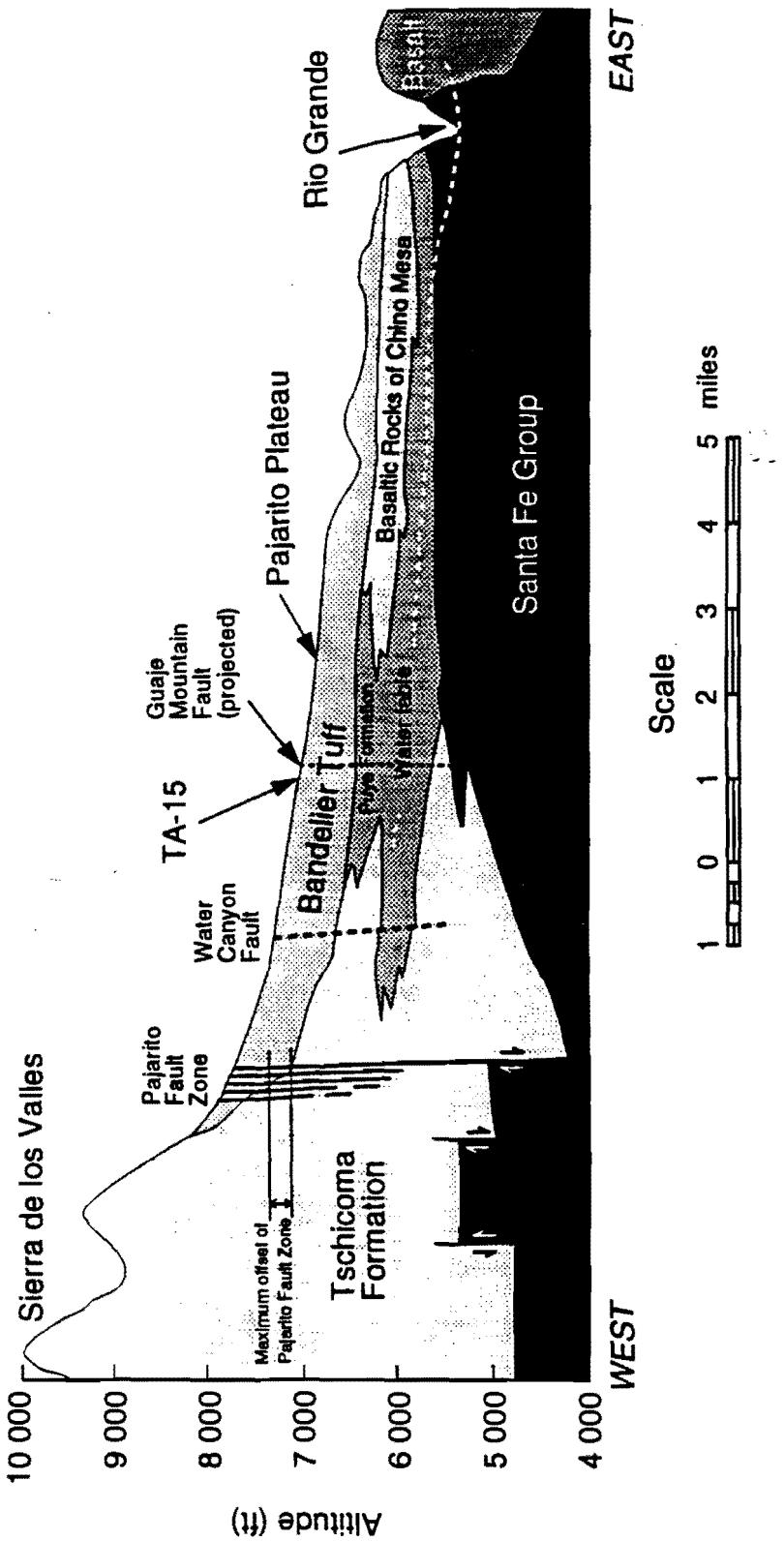


Figure B-3.1-1 **Geologic section showing the location of TA-15 with respect to stratigraphy and structure from the Sierra de los Valles across the Pajarito Plateau to the Rio Grande.**

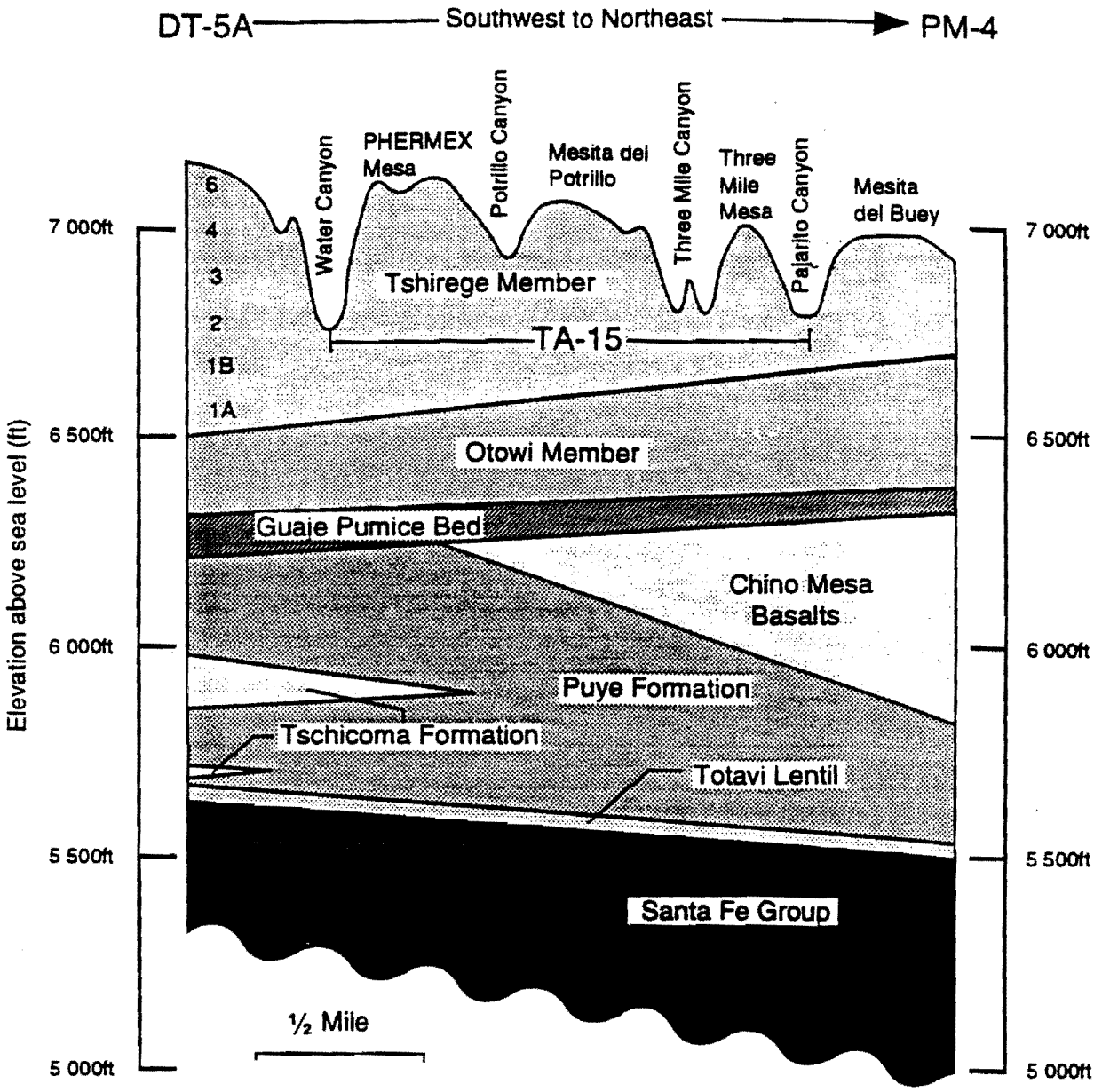


Figure B-3.1-2 **Cross section of stratigraphy with accurate topography at TA-15. DT-5 and PM-4 are drill holes on each side of TA-15.**

Structure and Seismicity

The Pajarito fault system (Figure B-3.1-3), a feature along the western margin of the Rio Grande rift, is a north-south trending feature 3 to 4 km west of TA-15. The faulting is primarily normal with TA-15 on the down-thrown side. Two northsouth trending faults, the Rendija Canyon fault and Guaje Mountain fault, branch southward from the Pajarito fault system north of the Los Alamos townsite. These faults break Bandelier tuff and recent sediments in the north. Seismic studies show they are present at depth just north of TA-15 (Dransfield and Gardner 1985, ER ID 6612; Gardner and House 1987, ER ID 6682). The fault planes or, perhaps, more feathered fracture patterns may be reasonably thought to lie beneath TA-15. In both cases, the down-thrown side of these faults is to the west. TA-15 lies in a small structural graben. The sharp right lateral turn in Cañon de Valle on the western edge of TA-15 may lie along the surface expression of the Rendija fault zone. An extension of the Guaje Mountain fault zone would pass beneath Mesita del Potrillo as well as PHERMEX Mesa (the mesa on which PHERMEX is located).

B-3.2 Soils

Soil Types and Characteristics

Soil characteristics are not described in any detail in the IWP; therefore, site specific and general information for TA-15 will be presented here. The primary reference for the following is from Nyhan et al. (1978, ER ID 5702). Well-developed soils are located on the level or gently sloping areas of the mesa tops. Formation of such soils with abundant layer lattice clays in such an arid environment as found on the Pajarito Plateau may have taken as much as tens to hundreds of thousands of years.

Characteristics of the various soils are listed in general terms based upon their water-holding capacity, potential for run-off, estimated erosion hazard, and permeability. Water-holding capacity is determined by soil plasticity and available water capacity. Soil plasticity index is the amount of moisture in a soil between two limits: enough for the soil to flow under the slightest applied force and enough for the soil to be rolled onto a wire. Both limits are expressed as a percentage of water content. The second subtracted from the first is the index. Indices range from 5 to 30 (relatively high plasticity).

Available water capacity is expressed in centimeters of water per centimeters of soil. It ranges from 0.02 (gravel) to 0.21 (clay). Run-off is determined by soil properties influenced by the minimum rate of infiltration obtained for a bare soil after prolonged wetting. Soils are grouped (A to D) according to this properly. D indicates highest potential for run-off. Erosion factors K and T are measured for the soil. K is a unitless parameter which is a function of texture, soil structure, permeability, and organic matter content. High silt and sand content, for instance, will make soils more susceptible to erosion. K values range from 0.15 to 0.37 at TA-15. High numbers mean more susceptibility to erosion. Soils at TA-15 appear "moderate" inasmuch as high values for soils are about 0.69. The term T is soil loss tolerance expressed in tons of allowable soil loss/acre/year. These estimated values range from 1 to 5, with larger T values assumed for deeper soils. Wind loss is estimated separately and also calculated in tons/acre/year. Permeability is measured in centimeters per hour and ranges from 0.15 (clay) to greater than 50 (gravel). Other than that for permeability, available measurements are qualitative (imprecise) but yield numbers for relative comparison: low (slow), medium (moderate), or high (fast) in a given category. These more general terms are used in the following description of separate soil units.

Carjo loam: Typical of mesa tops, this loam forms from the weathering of tuff on relatively level ground (loam is a rich permeable soil composed of a mixture of clay, silt, sand, and organic matter). A typical mesa-top surface layer is a grayish brown loam with a subsoil that is more clayey. Depth is typically 50 to 100 cm to the tuff interface. Water-holding capacity, run-off, and erosion hazard are medium compared with other soils.

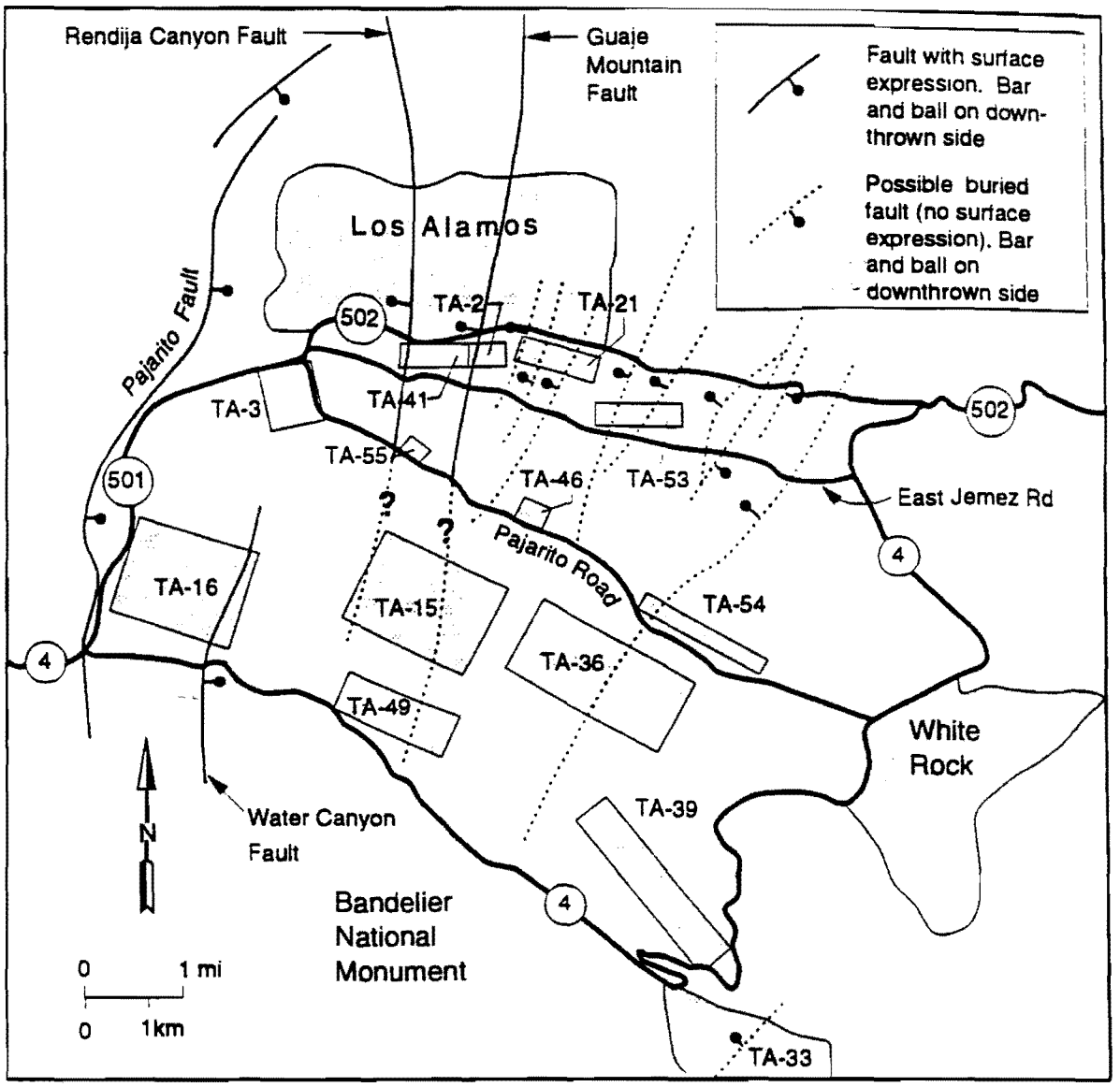


Figure B-3.1-3 **Faults at selected LANL technical areas, Los Alamos, White Rock, and major roads [modified from Dransfield and Gardner (1985, ER ID 6612) and Gardner and House (1987, ER ID 6682)].**

Frijoles loam: Characteristic of soils formed from pumice, this loam forms on level to moderately sloping mesa tops. The soil grades downward from a brown sandy loam, through a clay layer, to a gravely clay (plus or minus sand) loam which contains pumice. Depth to pumice is about 45 cm. Underlying pumice has some clay content. Permeability is low in the loam and fast underneath. Water capacity is low, run-off is medium, and susceptibility to erosion is moderate.

Hackroy loam: This is a shallow soil formed from tuff. Hackroy rock outcrops contain this loam with typically 70% rock (Tshirege Member) outcrop. Hackroy soil is a brown sandy loam grading to gravely or clayey loam with depth. Depths are usually less than 30 cm to tuff. Both units exhibit low permeability and low water capacities. The loam has medium run-off and moderate water erosion hazard. The rock unit has moderate to severe erosion hazard and medium to high run-off.

Nyjack loam: This is soil derived from weathered tuff on level to gently sloping terrains. Brown loam is on the surface, then brown clay. The substratum is gravely sandy loam which may contain 30% pumice. Depth to bedrock is 50 to 100 cm. Water capacity and permeability are medium. Erosion susceptibility is slight.

Pogna loam: Soil is made from tuff on gently to strongly sloping mesa tops. Light brownish gray sandy loam is on the surface over tuff with at most 50-cm depth. Water capacity is low, permeability is moderate, run-off is medium, and water erosion can be moderate.

Seaby loam: Forming on gently to moderately sloping mesas, Seaby loam is also formed on weathered tuff. The surface is a brown sandy loam grading into a brown to strong brown gravely clay loam with 35% to 70% pumice. The substratum is a white gravely pumice with thin layers of brown clay loam. with a total depth of as much as 66 cm. Permeability is moderate in the upper soil and very rapid below. Water capacity is low and erosion rates are moderate.

Tocal loam: This loam is a shallow soil on weathered tuff with gently to moderately sloping aspect. It is a grayish brown, very fine sandy loam with a subsoil of reddish brown clay loam or clay and a substratum of a light brown silt loam. Depth to tuff is 20 to 50 cm. Permeability is moderately low and water capacity is low. Run-off is medium and water erosion is moderate.

Typic eutoboralfs fine: This soil is formed in colluvium and material weathered from tuff. Colluvium is a loose, incoherent deposit at the base of a cliff, usually formed by gravitation. Slopes may be gently to moderately sloping and are usually located downhill from fault zones. The surface layer is a light gray silt loam or loam. The subsoil is a reddish brown, gravely or cobbly clay or clay loam. The depth can be 120 cm and more. Permeability is low; water capacity is slow; run-off is slow to medium; and erosion susceptibility is moderate.

Soil Type Location

Soil in this context will refer to surface deposits which include colluvium and alluvium. Coverage is very variable over TA-15 (see Appendix B of the RFI Work Plan for OU 1086 (LANL 1993, ER ID No. 20946) for soils map) The progression from the north of TA-15 to the south is described in the following paragraphs.

The extreme northern portion of TA-15 starts at the bottom of Pajarito Canyon and consists primarily of rock outcrops which are discussed in Subsection B-3.1, Stratigraphy. The surface of Pajarito Mesa is covered with Frijoles very fine sandy loam. The southern part of this mesa shows exposures of Hackroy rock outcrop complex.

Three-Mile Canyon has steep rocky walls with some gravely sandy loam (Totavi) in the bottom of the canyon. The eastern tip of Three-Mile Mesa exposes Hackroy rock outcrop complex, grading westward into Carjo loam and Pogna sandy loam. Still further to the west lie Seaby loam and the continuation of

Carjo loam. In general, Carjo loam is central to the Mesa throughout its length and is joined by Seaby loam in the west.

The eastern portion of Mesita del Potrillo, which joins Three-Mile Mesa to the west, is covered with Hackroy rock outcrop complex in the extreme eastern edge, grading into Carjo loam, which persists to the western edge of TA-15, where it is joined on the eastern margin of Cañon de Valle by Pogna loam. The northeastern rim of Mesita del Potrillo is covered with Hackroy sandy loam.

The sequence of soils on the land bridge connecting Mesita del Potrillo with the mesa on which PHERMEX is located has the following progression of soils from west to east: Pogna loam, a pod of Frijoles loam, Seaby loam, and Carjo loam, with typic eutroboralfs at the head of Potrillo Canyon. Grading west to east into Potrillo Canyon one finds Tocal loam and, in the bottom of the canyon, Totavi sandy loam.

The center of PHERMEX Mesa is covered by Nyjack loam. This grades to the north to Seaby loam and Hackroy loam on the northeast rim of Potrillo Canyon. Seaby grades to the west and east of PHERMEX site with a small pod of Nyjack located on the extreme eastern edge of TA-15 on this mesa. The northern rim of Water Canyon shows Pogna loam on the west and Hackroy loam on the east. A pod of Seaby loam is located in the bottom of Water Canyon at the eastern edge of TA-15.

B-4.0 HYDROLOGY

B-4.1 Hydrological Conceptual Model

The following section will describe and review the hydrologic behavior of watersheds on the Pajarito Plateau. Much of this information has been summarized from Becker (Becker 1991, ER ID 15317). The term "hydrogeologic model" here is used to describe the hydrologic interactions between the surface and infiltration into the subsurface, including the vadose zone, alluvial, perched, and main aquifers. A brief description of the atmospheric hydrologic processes is included for completeness.

Conceptual Hydrogeologic Model

Precipitation falls on a watershed as snow and as rain. Snowmelt normally produces low discharge rates over several months during the spring. Much of the snow either sublimates or melts and evaporates, or infiltrates into the soil profile before reaching the channel. Infiltration losses occur into the channel bed as well. Forty percent of the annual precipitation falls as rain, primarily during the summer months. For run-off to be produced in the channel, there must be significant rain over a number of consecutive days or a major thunderstorm. This is because of the semiarid soil's requirements for moisture replenishment before overland flow can occur. In the large watersheds (Water Canyon and Pajarito Canyon), very large precipitation events or snowmelt from heavy snowpack can produce channel flow which will persist to the Rio Grande. What is more usual is that, during average-sized rain events or moderate to light snowpack, the channel flow will infiltrate into the channel bed and not produce surface flow the entire length of the watershed. This is also the common occurrence in the smaller watersheds such as Potrillo Canyon.

There is no evidence that saturated conditions extend to the main aquifer and there is also no evidence to suggest that vapor phase transport is a likely pathway for contamination of the main aquifer. It is known, however, that streamflow can recharge shallow alluvial aquifers, such as exist in Pajarito and Mortandad canyons, and streamflow can also recharge deep perched aquifers, as have been identified in Pueblo, Los Alamos, and Sandia canyons.

B-4.2 Surface Water

Surface Water

Surface water hydrology is the science concerned with the transfer of water over the earth's surface. Examination of an equation of the surface water hydrologic budget reveals that water derived from

precipitation does not all appear as streamflow. Precipitation that falls on the ground may go into storage on the surface or into soil and groundwater reservoirs, be taken up by plants and transpired, and evaporate or sublimate back into the atmosphere. Surface water transport almost certainly is one of the predominant mechanisms for redistributing many of the contaminants at OU 1086. Important contaminant transport mechanisms associated with surface water include:

- Erosion and sedimentation (sediment and contaminant accumulation) of soils, rock, waste piles, contaminants on the ground surface, and buried contaminants;
- Infiltration of surface water that may itself be contaminated or movement of precipitation through a contaminated deposit that in turn transmits contamination deeper into the soil/rock profile;
- Movement of contaminants in surface water that discharges in the dissolved, suspended sediment, and bedload phases.

Location of Surface Water at OU 1086

Surface water flow begins with the progressive accumulation of overland flow into rills, rivulets, and small channels, which collect and funnel flow into large-scale, well-defined stream channels of delineated watersheds. Springs and man-made outfalls can also contribute. Four separate watersheds, each with an established stream channel drainage network, are present within OU 1086. These watersheds are Three-Mile Canyon, Potrillo Canyon, Water Canyon, and Canyon de Valle; their locations and boundaries with respect to OU 1086 are shown in Topographic Map Appendix A to the RFI Work Plan for OU 1086 (LANL 1993, ER ID 20946). (A fifth watershed, Pajarito Canyon, received runoff from a small, undeveloped area within OU 1086. Because it is not expected that the watershed will receive any contaminants from OU 1086, it is excluded from further discussion.) All surface water transport of contaminants at OU 1086 ultimately will flow into one of these four canyons.

Examination of the contaminant source term with respect to the watershed boundaries will enable prediction of which canyon will receive contaminants. Three-Mile Canyon flows into Pajarito Canyon; Potrillo Canyon and Cañon de Valle flow into Water Canyon; and Pajarito and Water canyons both are tributaries to the Rio Grande. Streamflow in Three-Mile and Potrillo canyons is ephemeral with flow occurring in response to rainfall and snowmelt events. Flow in Cañon de Valle in the vicinity of OU 1086 may at times be from permitted wastewater discharge and from snowmelt and stormwater run-off. Water Canyon receives flow from springs upstream from West Jemez Road, from permitted wastewater discharge at TA-11, TA-15, and TA-16, and from snowmelt and stormwater nun-off. In years of heavy snow pack, these channels may transport continuous flow during the spring. Intermittent channel flow in response to heavy rainfall occurs during the spring, summer, and fall.

Depth of flow in these channels from snowmelt is generally small, on the order of a few centimeters. Flow from rainfall events can reach depths of 1 m or more. Run-off events of this magnitude can erode and transport large volumes of sediment and contaminants. No direct measurements of flow or sediment discharge have been made in Three-Mile Canyon or Cañon de Valle in the vicinity of OU 1086. Peak discharge measurements in Potrillo Canyon downstream from OU 1086 at OU 1130 were measured as 1.63 m3/s during 1990.

Sedimentation and Erosion

Sediment accumulation and erosion from surface water occurs episodically in response to run-off events, with the greatest amounts occurring during large discharges. Erosion from surface water can expose and transport contaminants from their original disposal location; sedimentation can redeposit the contaminant of interest to another location within a watershed, either within or beyond the LANL boundary. Sediment accumulations in excess of 1 m from a single event have been measured in the active channel in Potrillo Canyon east of OU 1086. There have been no comprehensive sediment budget analyses performed on the Pajarito Plateau.

Erosion is expected to accelerate over areas where the natural soil surface has been disturbed, such as roads, firing site pads, burial pits, boneyards, and open dumps. Disturbed soil can increase surface nun-off and make soil susceptible to erosional processes (Graf 1975, ER ID 12465; Nyhan and Lane 1986, ER ID 6539).

Uranium, a heavy metal used in dynamic weapons testing at OU 1086, was found to accumulate in particular geomorphologic deposits in Potrillo Canyon (Becker 1991, ER ID 15317). There is preferential accumulation of the smaller particulates in the stream bank deposits, point bars, and alluvial fans. Therefore, these geomorphologic deposits are expected to accumulate uranium and other contaminant metals, such as mercury, lead, and possibly beryllium.

Infiltration of Surface Water

Infiltration of surface water can occur in several different hydrologic settings. These include

- Native and disturbed soils,
- Exposed rock surfaces, and
- Active stream channels in the watersheds.

The rate of infiltration in any of these hydrologic settings at OU1086 is unknown due to the lack of site-specific measurements. The infiltration rate may be variable from hydrologic setting to hydrologic setting.

Slopes Analyses

Slopes are an important factor in the evaluation of contaminant transport because contaminant dispersion will occur more rapidly as the slope increases. Overland flow velocities (discharges) will increase proportionally to the square root of the slope over which flow occurs. A rapidly moving flow has less opportunity to infiltrate into the soil, and therefore has decreased potential to move contaminants vertically into the soil. Increased flow velocities have a greater capacity to erode sediments and transport contaminated sediment, particulates, and contaminants in the liquid phase away from their original disposal site. Gentle slopes tend to retard overland sediment movement. The shallow slope can permit increased infiltration of a contaminant vertically into the soil, which could then carry the contaminant to depth, ether in dissolved or particulate phases.

There is a wide variation in slope in OU 1086 (Appendix A to the RFI Work Plan for OU 1086 [LANL 1993, ER ID 20946]). Slopes on the mesa tops are typically about 2%. Steeply sided canyon walls that form the interface between the mesas and canyon bottoms range from 30% to 90%.

B-4.2.1 LANL-ER-AP-4.5 Assessment

At LANL, surface water runoff and sediment transport are among the potential migration pathways by which contaminants might be transported to off-site receptors. Surface water may also access subsurface contaminants exposed by soil erosion. Soil erosion is dependent on several factors, including soil properties; the amount of vegetative cover; the slope of the contaminated area; exposure; the intensity and frequency of precipitation; and seismic activity.

LANL's ER Project has developed AP-4.5 to assess sediment transport and erosion concerns at specific PRSs. AP-4.5 provides a basis for prioritizing and scheduling actions for controlling the erosion of potentially contaminated soils at specific PRSs. The procedure is a two-part evaluation. Part A is a compilation of existing PRS analytical data, site maps, and knowledge-of-process information. Part B is an assessment of the erosion/sediment transport potential at the PRS. Erosion potential is numerically rated from 1 to 100 using a matrix system. PRSs that score below 40 have a low erosion potential; those that score from 40 to 60 have a medium erosion potential; and those that score above 60 have a high

erosion potential. Part A of this assessment is initiated and completed by LANL's Water Quality and Hydrology Group (ESH-18). A Surface Water Assessment Team comprised of representatives from ER, ESH-18, the Facility Management Group (FSS-7), and the DOE Oversight Bureau evaluates each completed assessment. If necessary, as best management practice or other action is implemented based on the results of the assessment.

AP-4.5 assessment for the PRS addressed in the VCA completion report is attached following Appendix B.

B-4.3 Groundwater

Little drilling has been done to confirm or deny the presence of perched or alluvial aquifers in Three-Mile Canyon, Potrillo Canyon, Cañon de Valle, or Water Canyon. However, based upon the geology and hydrology of these canyons and observations made in other canyon locations where there is sufficient information on the existence of perched and alluvial aquifers, the following generalizations appear to be reasonable. The issue of alluvial aquifers is addressed in the 1991 IWP, Appendix M (LANL 1991, ER ID 07678).

Three-Mile Canyon has a small drainage area that heads on the Pajarito Plateau; ephemeral streamflow in the canyon occurs in response to snowmelt run-off and from storms during the spring, summer, and fall. The presence of permanent perched or alluvial water in this canyon is considered unlikely.

Potrillo Canyon heads on the Pajarito Plateau at TA-15. Streamflow in the channel is in response to snowmelt and run-off from storm events in the spring, summer, and fall. The stream channel in the upper reaches of the watershed (in OU 1086) is cut directly on the Bandelier Tuff. There is little to no alluvial fill in this reach of the watershed. Therefore, it is unlikely that a permanent alluvial aquifer exists in this canyon. Becker (1991, ER ID 15317) found no alluvial aquifers in the watershed further downstream where streamflow discharge is greater due to a larger contributing area.

Cañon de Valle heads on the flanks of the Sierra de los Valles. Cañon de Valle receives small amounts of recharge from springs in its uppermost reaches but, because of evapotranspiration and infiltration, streamflow from this source does not reach West Jemez Road. Cañon de Valle receives effluent from permitted wastewater discharge in the reaches below West Jemez Road but above OU 1086. Some streamflow is maintained in the direct vicinity of these effluent discharges, but are rapidly depleted by evaporation, transpiration, and infiltration. Cañon de Valle also receives recharge from springs west of TA-15 and there appears to a significant reach of perennial flow in this area of the canyon. Streamflow through OU 1086 is ephemeral and occurs in response to snowmelt run-off, and run-off from spring, summer, and fall precipitation.

Water Canyon is a large canyon that heads on the flanks of the Sierra de Los Valles. Several springs discharge from perched layers in the tuff in upper Water Canyon and the largest of these springs has been used to supply water to S-Site in the past. Water Canyon also receives wastewater discharge from TAs-II, 15, 16, and 37. A short distance downstream from the confluence of Water Canyon and Canyon de Valle is Beta Hole, a dry well extending 187 ft into the Bandelier Tuff. Two other shallow wells completed into the alluvium were drilled in Water Canyon, one of which is located on OU 1086. These wells are also dry. The lack of water in these wells confirms that Water Canyon in the vicinity of TA-15 contains no permanent perched or alluvial aquifers.

There is a possibility of perched zones on interfingers of basalts at intermediate depth. Perched groundwater horizons within the Bandelier Tuff may also be present beneath TA-15 as suggested by the presence of springs west, south, and east of the site.

B-4.3.1 Alluvial Waters

See section B-4.3 (above)

B-4.3.2 Perched Waters

See section B-4.3 (above)

B-4.3.3 Regional Aquifer

As summarized in Chapter 2 of the IWP (LANL 1993, ER ID No. 26077), the regional aquifer is the only aquifer capable of supplying municipal and industrial water needs. The upper surface of the Regional Aquifer rises to the west from the Rio Grande through the Santa Fe Group into the lower part of the Puye Conglomerate beneath the central and westem parts of the Pajarito Plateau. The water in the aquifer moves in a general sense from the main recharge area in the Valles Caldera on the west side of the Sierra de Los Valles eastward towards the Rio Grande, where there is some discharge into the river through seeps and springs. As stated earlier, there are no wells at TA-15. Therefore, all inferences on the Regional Aquifer beneath this technical site have been drawn from information derived from supply wells PM-2, PM-4, and PM-5 as well as the three deep wells at TA49, DT-5A, DT-9, and DT-10 (Figure B-1.0-5).

The aquifer beneath TA-15 is located stratigraphically within the basaltic rocks of Chino Mesa and interflow breccia, in the Puye Conglomerate, and in the Santa Fe Group. These units are composed of basalts, interflow breccias; conglomerates; and sandstones, conglomerates, basalts interflow breccias, and siltstones; respectively. Not all of these rocks transmit water equally well. Thick basalts, siltstones, and fine-grained sandstones will not yield water as readily as coarse-grained conglomerates and sandstones, highly jointed bassets, and coarse sediments of interflow breccias. To maximize production, supply and test wells are screened through a thick section of the aquifer to draw from multiple, highly permeable layers.

The depth to the regional aquifer beneath TA-15 water is estimated to vary from about 875 to over 1100 ft (Purtymun and Stoker 1988, ER ID 6879), with depths increasing to the west and from valley bottoms to mesa tops. Aquifer hydrologic characteristics vary. The closest well to TA-15, designated as PM-2, is in Pajarito Canyon. All wells are open in the Puye Conglomerate and Santa Fe Group. The characteristics of the wells are listed in Table B-4.3-1.

TABLE B-4.3-1
CHARACTERISTICS OF WELLS NEAR TA-15

	Well (ft)	Saturated Thickness (gpm/ft)	Specific Capacity (gpd/ft)	Transmissivity Field Coefficient of Permeability (gpd/ft2)
PM-2	1426	23.1	40 000	28
PM-4	1828	36.8	44 000	24
DT-5A	643	5.7	11 000	17
DT-9	498	22	61 000	122
DT-10	324	16	36 100	111

* From Purtymun 1984, 0196.

The water levels in the Regional Aquifer have declined 25 ft at PM-2 since 1966 and 34 ft. at PM-4 since 1984. The water levels in DT-10 and DT5A have declined about 0.5 ft/yr. (Purtymun 1984, ER ID 6513). A detailed description of the latter wells is given in the RFI Work Plan for Operable Unit 1144 (TA-49).

As described by Purtymun (Purtymun 1984, ER ID 6513), the Regional Aquifer is sensitive to atmospheric pressure changes, earth shocks, and probable earth tide effects, as monitored by a continuous water stage recorder on test well DT-9. Possible earth tide effects result in minor water level fluctuations (0.01 to 0.03 ft) when the gravitational pull of the moon elongates and compresses the aquifer. Strong earth motions have been recorded. The 1964 Good Friday Alaskan earthquake caused a water level fluctuation of more than 1 ft at well DT-9. These earth motion fluctuations are caused by the expansion and compaction of the aquifer by an earthquake's surface waves. Boreholes and wells completed in the Bandelier Tuff and Puye Conglomerate transfer air to and from the Tuff and

Conglomerate in response to changes in atmospheric pressure. Wells will "exhale" during barometric lows and "inhale" during barometric highs. Water level fluctuation is usually less than 0.5 ft. Because the aquifer at DT-9 is composed of three different formations -conglomerates, basalts, and sandstones - each with a different transmissivity and pressure heads, the variation in the barometric fluctuation is influenced by all three layers.

B-4.3.4 Vadose Zone

Description

The Pajarito Plateau is characterized generally by elongated mesas separated by canyons from 30 to 150 m deep. The mesas have thin soil mantles (see Subsection B-3.2 of this OU work plan), whereas canyon bottoms have alluvial fill ranging from 0 to nearly 30 m thick. Underlying the soils and alluvial fill is a thick sequence of Bandelier Tuff. With the exception of possible small alluvial and perched aquifers, unsaturated flow conditions are believed to predominate throughout the Bandelier Tuff down to the top of the main aquifer.

Moisture Movement In the Vadose Zone

Moisture movement in the Bandelier Tuff at TA-15 has not been studied. Based on studies conducted elsewhere at LANL, fluid movement at higher moisture contents is expected to be dominated by gravity flow. As the moisture content decreases, matric potential is expected to become the dominant moisture redistribution force. As moisture content decreases further, vapor phase flow is expected to become the dominant moisture redistribution mechanism (Stoker et al. 1991, ER ID 7530).

Under unsaturated conditions, the hydraulic conductivity of the porous tuff matrix is extremely low and fluid movement is expected to be slow. Furthermore, open fractures within the tuff may act to impede fluid movement under these conditions. In contrast, contaminants can move long distances through pores and fractures of the tuff in the vapor phase when moisture conditions are very low and open fractures may provide preferential vapor phase pathways.

Data from other LANL sites suggests that the moisture content of the tuff may be near the holding capacity of the formation; therefore, infiltration of any additional fluid may promote more rapid gravity drainage within the tuff matrix. Hydrogeologic data also suggests that water movement through the porous tuff matrix could proceed fairly rapidly under saturated or near-saturated conditions. In addition, open fractures within the tuff may allow very rapid water movement under similar conditions.

Vadose Zone Soil and Rock Properties and Moisture Characteristics

No measurements have been made on soil and rock properties and moisture characteristics at OU 1086. The following subsections summarize data collected from coreholes in Mortandad Canyon that were completed below an alluvial aquifer and from areas in Sandia and Mortandad canyons where there is no alluvial or perched water present. Coreholes completed below an alluvial aquifer are designated MCM 5.1 and MCC 5.9A. Coreholes 6, 7, and SIMO-1 were completed where there was no alluvial aquifer present. Information on these holes is discussed in the following subsections and is summarized from Stoker et al. (1991, ER ID 7530).

Porosity

Values of porosity as a function of lithology as measured in the corehole SIMO1 were 55% to 56% in Unit 1A, 41% to 62% in the Tsankawi, and 44% in the Otowi. Porosity values from corehole MCM 5.1, completed through a shallow alluvial aquifer in Mortandad Canyon, varied from 41% to 49% in alluvium, from 29% to 60% in weathered Unit 1A, 50% to 63 % in unweathered Unit 1A, and from 35% to 48% in the Tsankawi.

Hydraulic Conductivity

Unsaturated hydraulic conductivity data measured on cores from boreholes in Mortandad Canyon varied from 10-6 to 10-11 cm/s in the Bandelier Tuff, and increased to 10-3 to 10-2 cm/s at the contact between the Tsankawi and the Otowi units, a region of moisture accumulation. Saturated hydraulic conductivity ranged between 5 x 10-5 to 2 x 10-3 cm/s in areas below the alluvial aquifer (Stoker et al. 1991, ER ID 7530).

Moisture Content

Gravimetric moisture measurements were made on samples collected in boreholes in Mortandad and Sandia canyons. Results indicated that the moisture content below the alluvial aquifer varied from 10% to 3 0 %. Gravimetric moisture increased to a peak in the Tsankawi just above and at the contact with the Otowi at about 60%, then declined in the Otowi to 12% to 18%. Maximum moisture content in wells that were not completed into the Otowi or beneath alluvial aquifers was 32%.

B-5.0 ECOLOGICAL RESOURCES

Summary

The environmental setting of OU 1086 is primarily associated with mesa tops, although there are several canyons that might receive contaminants as a result of chemical transport. The mesa-top environment within the OU consists of ponderosa pine, as the dominant overstory in the western portion, with a gradation to pinon, pine, and juniper in the eastern portions of the site. There are cleared, grassy areas scattered throughout the site.

TA-15 serves as an overwintering area for deer and elk. Other species that are known to occur on the site include a variety of small mammals (mice, coyotes, and others).

Although there is no perennial source of water on the mesa top, the proximity to canyons affords access to water during most of the year. Thus, area wildlife can inhabit the three different types of habitat without having to move great distances to a water source.

The dominant tree species within OU 1086 are one-seed juniper, pinon, and ponderosa pine. Douglas fir is common in the area and an occasional white fir is found. Common shrub species are Gambel oak, wavyleaf oak, mountain mahogany, cliffbush, and Colorado barberry. The dominant grasses of the area include mountain muhly, little bluestem, and blue grama. Some of the most common fortes found within OU 1086 are golden aster, bittersweet, and wormwood. The following habitat types are found in the operable unit.

Mesa top:
Ponderosa pine-Gambel oak/pinon phase
Pinon-Gambel oak
Pinon-wavyleaf oak

North-facing slopes and canyon bottoms:
Ponderosa pine-Gambel oak
Douglas fir-Gambel oak

Within the operable 91 species of plants, 51 species of nesting birds, 24 species of wintering birds, 34 species of mammals, and 10 species of reptiles and amphibians have been identified.

Biological and cultural resources were extensively surveyed in the summer of 1992. Several threatened and endangered species were identified for which TA-15 has a suitable ecology. The details of these investigations are presented below.

Introduction and Further Information

During 1992, field surveys were conducted by the Biological Resource Evaluations Team (BRET) of the Environmental Protection Group (EM-8) [now ESH-20] for Operable Unit (OU) 1086, Technical Area (TA)-15 Site Characterization. Further information concerning the biological field surveys for this OU is contained in the full report "Biological and Flood Plain/Wet Land Assessment for Environmental Restoration Program, OU 1086." (LANL 1995, ER ID 52026) the biological assessment contains specific information on survey methods, results, and mitigation measures. This assessment will also contain information that may aid us to define ecological pathways and vegetation restoration.

Laws

Field surveys were conducted for compliance with the Federal Endangered Species Act of 1973; New Mexico's Conservation Act: New Mexico Endangered Plant Species Act; Executive Order 11990, "Protection of Wetlands"; and Executive Order 11988, "Floodplain Management"; 10 CFR 1022; and DOE Order 5400.1.

Methods

The surveys had three purposes: (1) to determine the presence or absence of any critical habitat for any state or federal sensitive, threatened, or endangered plant or animal species within the operable unit boundaries, (2) to identify the presence or absence of any sensitive areas such as floodplains or wetlands that may be present within the areas to be sampled and, if such an area is present, its extent and general characteristics, and (3) to provide additional plant and wildlife data concerning the habitat types within Operable Unit 1086. These data provide further baseline information about the biological components of the site that will enable site characterization and determination of pre-sampling conditions. This information also is necessary to support the National Environmental Policy Act (NEPA) documentation and determination of a Categorical Exclusion of the sampling plan for site characterization.

After searching the data base maintained in (EM-8) [ESH-20] containing the habitat requirements for all state and federally listed threatened or endangered plant and animal species known to occur within the boundaries of LANL and surrounding areas, researchers at LANL conducted a Level II habitat evaluation survey. A Level II survey is performed when areas are present that are not highly disturbed and could potentially support threatened or endangered species. Techniques used in a Level II survey are designed to gather data on the percentage of cover and the density and frequency of both the understory and overstory components of the plant community.

The habitat information gathered through the field surveys was then compared with the requirements for species of concern as identified in the ESH-20 data base search. If habitat requirements were not met, then no further surveys were conducted and the site was considered cleared for impact on state and federally listed species. If habitat requirements were met, species surveys were done in accordance with pre-established survey protocols, which often required certain meteorological or seasonal conditions.

In each location, the National Wetland Inventory Maps and field checks were used to note all wetlands and floodplains within the survey area. Criteria outlined in the Corps of Engineers Wetlands Delineation Manual (Federal Interagency Committee for Wetland Delineation 1989, ER ID 45910)) was used to note characteristics of wetlands, floodplains, and riparian areas.

Species Identified

Data base searches indicated that the species of potential concern for this operable unit are those listed in Table B-5.0-1.

TABLE B-5.0-1
SPECIES OF POTENTIAL CONCERN

Common Name	Scientific Name	Federal		Federal		State
		Endangered	Threatened	Proposed	Candidate	Endangered
Bald eagle	*Haliaeetus lecocephaius*	X				X
Peregrine falcon	Falco *pereglinus*	X				X
Mexican spotted owl	*Strix occidentalis lucida*			X		
Northern goshawk	*Accipiter gentilis*				X	
Willow flycalcher	*Empidonax trailli extimus*				X	X
Spotted bat	*Euderma maculatufri*				X	X
Jemez Mountains salamander	*Plethodon neomexicanus*					X
Broad-billed hummingbird	*Cynanthus latirostris*					X
Common black hawk	*Buteogallus anthracinus*					X
Mississippi kite	*Ictinia mississippiensis*					X
Grama grass cactus	*Toumeya papyracanthus*				X	X
Wood lily	*Lilium phliadeiphicum*					X
Wright's fishhook cactus	*Mammillaria wnghtii*					X
Santa Fe cholla	*Opunita viridiftora*					X

Results and Mitigation

Threatened, Endangered, and Sensitive Species

Sensitive and endangered plant species may need to be surveyed further if specific sampling activities are proposed within any sensitive habitat. Each species has its own seasonal survey restrictions due to its flowering or emergence dates. BRET must be provided with specific sampling site locations. These data will help BRET to determine the necessity for surveying for a particular plant species. During the field season of 1992, each protected plant species was sought during the habitat evaluation surveys; none were found. However, the survey did not coincide with the blooming season of all the listed plants.

As a result of a habitat evaluation and previous data on the operable unit, several of the previously listed animal species may occur within or near the operable unit. These species are the Northern Goshawk, Jemez Mountains salamander (Plethodon neomexicanus), and the spotted bat (Euderma maculatum). These species are discussed in more detail below. The remaining animal species listed above are dismissed from further consideration because more specific suitable habitat components are lacking or because the species have not been located on habitat more suitable to them in other areas of LANL.

The Northern Goshawk is found in dense, mature, or old growth coniferous forest. The highest percentage of nests in Los Alamos County are found in ponderosa pine/Gambel oak (Pinus ponderosa/Quercus Gambelil), ponderosa pine/gray oak (Ouercus grisea), and mixed conifer/Gambel oak habitat types. The mixed conifers include white fir (Abies concolorj, Douglas-fir (Pseudotsuga Menziesii), and ponderosa pine. All of the above habitat types are represented in the operable unit. Travis (1992, ER ID 12015) reports observations of possible breeding pairs in TA-15. The following measures shall be taken to avoid adverse impact to potential nesting Northern Goshawks:

1. Any machine sampling occurring between May and October shall be cleared through BRET. BRET shall be contacted 60 days prior to sampling to evaluate possible nest sites in and around the specific sampling area.

2. If any area over 0.1 acre will be disturbed, BRET shall be contacted for a pre-sampling site-specific survey.

3. Any tree removal (live or snag) shall be approved by BRET.

The Jemez Mountains salamander has been reported from upper Water Canyon. The animal requires rocks (talus slopes) or downed, well-decayed conifer trunks in mixed confer forests. Moist slopes and moderate to heavy overstory cover also are necessary for this small amphibian's survival. Cañyon de Valle and Los Alamos, Pajarito, and Water canyons are recognized as a population center for this amphibian. This is one of three population centers that could serve as refuges to protect [Jemez Mountains] salamanders from significant loss of habitat due to logging, fire or insect damage and maintain genetically viable populations. Impacts to salamanders would include habitat destruction due to tree removal, soil disturbance and removal of downed trees and limbs. The following mitigation measures are required if sampling is conducted within Potrillo, Three-Mile, or Water canyons.

1. BRET shall be notified 60 days prior to sampling to permit the team to evaluate the sampling site for the Jemez Mountains salamander. If a survey is required, it can be conducted only in the summer months after several days of heavy rains.

2. If sampling occurs on north-facing slopes or near streamside, a biologist from EM-8 [ESH-20] shall be present during sampling. (This is not anticipated during phase I sampling). If any salamanders are discovered, all ground-disturbing activities will cease until the situation is evaluated.

3. Any trees that are cut will be left to enhance habitat.

4. All disturbed areas will be replanted with native plants.

The spotted bat is found in pinon/juniper, ponderosa pine, mixed conifer, and riparian habitats. The two critical requirements for the spotted bat are a source of water and an availability of roost sites (caves in cliffs or rock crevices). Water, Three-Mile, and Potrillo canyons should have a sufficient number of potential roost sites, but water sources are limited. Suitable water is defined as small ponds or pools of slow-moving water. To date, no spotted bats have been successfully mist-netted on LANL property. Due to the nature and extent of the proposed site characterization in the canyon bottoms, no potential impacts to spotted bats will occur if small caves are not disturbed and if water sources in the canyon bottoms are not altered.

Several sensitive raptors breed in OU 1086 (Travis 1992, ER ID 12015). Travis reports substantiated observations of breeding pairs of American Kestrel (Falco sparvenius), Great Horned Owl (Bubo virginianus), and Red-tailed Hawk (Buteo jamaicensis). Zone-tailed Hawk (Buteo albonotatus) and Turkey Vulture (Cathartes aura) may breed in TA-15. Potential raptor nest sites occur in ponderosa pine and mixed conifer forest: steep cliffs with small caves and rack crevices, found in the operable unit, also provide the seclusion and commanding views required for nesting. From May to September, nesting sites should be free of any major disturbances such as the use of heavy equipment. However, major

disturbances occur routinely at this OU's firing sites. The same notification procedures will be used as are used in the routine operations on the site. BRET shall be consulted to identify potential nesting sites prior to any machine sampling or use of other heavy equipment.

Wetlands/Floodplains

Portions of the stream channel in Upper Water (Cañon de Valle) and Three-Mile Canyon are classified by the National Wetlands Inventory as possible palustrine wetlands. Survey data suggest some of these areas have characteristics of jurisdictional wetlands. In addition, there are six NPDES permitted outfalls in which four of these have some hydrophytic vegetation associated with them and may also quality as jurisdictional wetlands. None of these wetlands exceed ten acres and most are less than one acre. Floodplain maps developed by McLin (1992, ER ID 12014) indicate that a floodplain does exist within Water, Three-Mile and Potrillo Canyons. RFI activities are not anticipated to adversely affect the floodplains and wetlands within OU 1086 as long as best management practices outlined in below are adhered to.

Best Management Practices

Impacts to nonsensitive plants should be avoided when possible. Off-road driving is especially harmful to plants and soil crust. Revegetation may be required at some sites. A list of native plants suitable for revegetation for OU 1086 is contained in the final report "Biological Assessment for the Environmental Restoration Program, OU 1086." Some additional best management practices include the following:

- Avoid unnecessary disturbance (i.e., parking areas, equipment storage areas, off-road travel) to surrounding vegetation during the actual sampling and when traveling into sampling sites.
- Avoid removal of vegetation along water sources, drainage systems, and stream channels.
- Avoid disturbance to vegetation along canyon slopes, especially in drainage areas.
- Avoid tree removal. If tree removal is required, BRET should be contacted for evaluation.

In addition to these measures, BRET also requests notification of any activity that would disturb the vegetation before that activity is actually conducted.

The "Biological Assessment for the Environmental Restoration Program, Operable Unit 1086" will be evaluated by the US Fish and Wildlife for compliance with the Endangered Species Act. This federal agency may require additional mitigation measures that are not represented in this summary.

B-5.1 T&E Review of PRS 15-012(b)

The following memo is related to T&E Review of PRS 15-012(b).

Los Alamos
NATIONAL LABORATORY

memorandum
Environmental, Safety, & Health Division
Ecology Group, ESH-20, MS M887

To/Ms: Tom Fogg, ICF Kaiser/MS M892
From/Ms: Mary Mullen, ESH-20/MS M887 MM
Phone/FAX: *5-8963/7-0731*
Symbol: *ESH-20/Ecol-97-0642*
Date: June 29, 1998

SUBJECT: T&E and cultural review of PRSs 15-009(c), 15-009(j), 15-012

The following PRSs were reviewed to determine whether or not they are in or near T&E Habitat and/or cultural sites:

15-009(c)
15-009(j)
15-012

PRSs were located using the FIMAD GIS database. Cultural sites and T&E Habitat were located using GIS databases maintained by the Ecology Group, ESH-20. All PRSs are entirely within T&E Habitat Buffer. PRSs were within 150 ft of one or more cultural sites.

MM:rm

Cy: Tony Ladino, ESH-20, MS M887
Teralene Foxx, ESH-20, MS M887

B-6.0 CULTURAL RESOURCES

Cultural Resource Summary

As required by the National Historic Preservation Act of 1966 (as amended), a cultural resource survey was conducted during the summer of 1992 at OU 1086. The methods and techniques that were used for this survey conformed to those specified in the "Secretary of the Interior's Standards and Guidelines for Archeology and Historic Preservation" (Federal Register, Vol. 48, No. 190).

Eighty-six archaeological sites are located in the surveyed area at TA-15. Eighty of these are eligible for inclusion on the National Register of Historic Places under Criterion D because of their potential to yield research data. These are listed in Table B-6.0-1.

The attributes of these sites that make them eligible for inclusion on the National Register will not be affected by any environmental restoration (ER) sampling activities proposed at OU 1086. A report documenting the survey area, methods, results, and monitoring recommendations, if any, will be transmitted to the New Mexico State Historic Preservation Officer for his concurrence in a "Determination of No Effect' for this project. As specified in 36 CFR 800.5 (b) and following the intent of the American Indian Religious Freedom Act, a copy of this report will also be sent to the governor of San Ildefonso Pueblo and to any other interested tribal group for comment on any possible impacts to sacred and traditional places.

All monitoring and avoidance recommendations contained in the final report shall be followed by all personnel involved in ER sampling activities. EM-8 archaeologists shall be contacted 30 days before any ground-breaking activities are initiated so that monitoring and avoidance recommendations can be verified. The same procedures will be applied to ER personnel that apply to the operating group, M-4.

TABLE B-6.0-1
ARCHAEOLOGICAL SITES LOCATED AT OU 1086

Site #	Site Type	Cultural Affiliation	Time Period	Eligible for National Registered Historic Places
LA 4665	XP	Anasazi	Coalition-Classic	Yes
LA 4666	SP	Anasazi	Coalition	Yes
LA 4682	PP	Anasazi	Coalition	Yes
LA 14869	RR	Anasazi	Coalition	Yes
L-39	SP	Anasazi	Coalition	Yes
L-40	SP	Anasazi	Coalition	Yes
L-41	FH	Anasazi	Coalition-Classic	Yes
L-46	SP	Anasazi	Coalition	Yes
Q-61	SP	Anasazi	Coalition	Yes
Q-62	AS	Anasazi	Coalition	PE
Q-63	AS	Archaic/Anasazi	Archaic/Coalition	PE
Q-64	FH	Anasazi/Archaic	Classic	Yes
Q-65	AS	Anasazi	Unknown/Classic	PE
Q-66	FH	Anasazi	Coalition/Classic	PE
Q-67	FH	Anasazi	Coalition	Yes
Q-68	SP	Anasazi	Classic	Yes
Q-69	SP	Anasazi	Coalition	Yes
Q-70	FH	Anasazi	Coalition	Yes
Q-71	FH	Anasazi	Coalition	Yes
Q-72a	FH	Anasazi	Classic	Yes
Q-72b	IR	Anasazi	Classic	Yes
Q-73	SP	Anasazi	Coalition-Classic	Yes
Q-74	IR	Anasazi	Coalition	PE
Q-75	FH	Anasazi	Coalition	Yes
Q-76	FH	Anasazi	Coalition	Yes
Q-77	FH	Anasazi	Classic	Yes
Q-78	SP	Anasazi	Coalition	PE
Q-79	AP	Anasazi	Coalition	PE
Q-80	WC	Anasazi	Classic	PE
Q-81	SP	Anasazi	Coalition	Yes
Q-82	SP	Anasazi	Coalition	Yes
Q-83	AS	Anasazi	Coalition	PE
Q-84	FH	Anasazi/Archaic	Coalition	Yes
Q-85	AS	Anasazi	Unknown/Classic	PE
Q-86	AP	Anasazi	Coalition	Yes

TABLE B.6-1
ARCHAEOLOGICAL SITES LOCATED AT OU 1086
(Continued)

Site #	Site Type	Cultural Affiliation	Time Period	Eligible for National Registered Historic Places
Q-87	SH, RA	Anasazi	Coalition	Yes
Q-88	WC	Anasazi	Coalition/Classic	No
Q-89	SP	Anasazi	Coalition	Yes
Q-90	AS	Anasazi	Coalition	PE
Q-91	CP	Anasazi	Coalition-Classic	PE
Q-92	CP	Anasazi	Coalition-Classic	Yes
Q-93	LS	Archaic	Unknown	PE
Q-94	CP	Anasazi	Coalition-Classic	PE
Q-95	FH	Anasazi	Coalition	Yes
Q-96	CP	Anasazi	Coalition-Classic	Yes
Q-97	SP	Anasazi	Classic	Yes
Q-98	SP	Anasazi	Coalition-Classic	Yes
Q-99	FH	Anasazi	Classic	Yes
Q-100	AP	Anasazi	Coalition-Classic	PE
Q-101	FH	Anasazi	Classic or General Historic	Yes
Q-102	IR	Anasazi & or Unknown	Classic/General Historic	PE
Q-103	FH	Anasazi	Coalition-Classic	Yes
Q-104	WC	Anasazi/Euro-American	Coalition-Classic/Homesteading	PE
Q-105	FH	Anasazi	Classic	Yes
Q-106	IR	Anasazi/Unknown	Coalition-Classic/General Historic	PE
Q-107	IR	Anasazi/Unknown	Coalition-Classic/General Historic	PE
Q-108	SP	Anasazi	Coalition	Yes
Q-109	FH	Anasazi	Coalition	Yes
Q-110a	FH	Anasazi	Coalition	Yes
Q-110b	FH	Anasazi	Coalition	Yes
Q-110c	FH	Anasazi	Coalition	Yes
Q-111	CP	Anasazi	Classic	Yes
Q-112	RA	Anasazi	Unknown	Yes
Q-113	SH	Anasazi	Classic	Yes
Q-114	CP	Anasazi	Classic	Yes
Q-137	FH	Anasazi	Coalition	Yes
Q-138	WC	Anasazi	Coalition	No
Q-139	FH	Anasazi	Coalition	Yes

TABLE B.6-1
ARCHAEOLOGICAL SITES LOCATED AT OU 1086
(Continued)

Site #	Site Type	Cultural Affiliation	Time Period	Eligible for National Registered Historic Places
Q-140	FH	Anasazi	Coalition-Classic	Yes
Q-141	FH	Anasazi	Coalition-Classic	Yes
Q-142	FH	Anasazi	Coalition-Classic	Yes
Q-102	IR	or Unknown	General Historic	PE
Q-143	WC	Euro-American	Manhattan Project to Recent	No
Q-144	RA	Anasazi	Unknown	Yes
Q-145	SH	Anasazi/Unknown	Coalition-Classic	Yes
Q-146	SH	Unknown	General Historic	Yes
Q-147	IR	Anasazi/Unknown	Coalition-Historic	PE
Q-150	FH	Anasazi	Coalition-Classic	Yes
Q-151	FH	Anasazi	Coalition	Yes
Q-152	FH	Anasazi	Coalition-Classic	Yes
Q-153	IR	Anasazi	Coalition-Classic	Yes
Q-155	FH	Anasazi	Coalition	Yes
Q-157	SP	Anasazi	Coalition-Classic	Yes
Q-158	SP	Anasazi	Coalition	Yes
Q-159	FH	Anasazi	Coalition	Yes
W-15	SP	Anasazi	Coalition-Classic	Yes
W-16	IR	Anasazi	Coalition/Classic	Yes
W-19	SP	Anasazi	Coalition	Yes

Codes for Site Types: AP = Amorphous Pueblo, AS – Artifact Scatter, C P = Cavate(s) or Cavate Pueblo, FH – Fieldhouse, IR – Indeterminate Rubble, LS = Lithic Scatter, PP = Enclosed Plaza Pueblo, RA = Rock Art/Petroglyph, RR = Rock Ring, SH = Rock Shelter, SP = Single Roomblock Pueblo, WC = Water or Soil Control Deviced, and XP = Complex Shaped Pueblo.

Eligibility Code: PE = Potentially Eligible

Time Period Dates: Archaic Period = 4,000 V.C. to A. D. 600, Coalition Period = A.D. 1100 to A.D. 1325, Classic Period = A.D. 1325 to A.D. 1600, General Historic Period (which includes the Spanish Colonial and Territorial period and the Homesteading Period) = A.D. 1600 to A.D. 1943, Homesteading Period = A.D. 1890 to A.D. 1943, Manhattan Project to Recent Period = A.D. 1942 to present

B-6.1 Cultural Review of PRS 15-012(b)

The following memo is related to the cultural review of PRS 15-012(b).

Los Alamos
NATIONAL LABORATORY

memorandum

Environmental, Safety, & Health Division
Ecology Group, ESH-20, MS M887

To/Ms: Tom Fogg, ICF Kaiser/MS M892
From/Ms: Mary Mullen, ESH-20/MS M887 MM
Phone/FAX: *5-8963/7-0731*
Symbol: *ESH-20/Ecol-97-0642*
Date: June 29, 1998

SUBJECT: T&E and cultural review of PRSs 15-009(c), 15-009(j), 15-012

The following PRSs were reviewed to determine whether or not they are in or near T&E Habitat and/or cultural sites:

15-009(c)
15-009(j)
15-012

PRSs were located using the FIMAD GIS database. Cultural sites and T&E Habitat were located using GIS databases maintained by the Ecology Group, ESH-20. All PRSs are entirely within T&E Habitat Buffer. PRSs were within 150 ft of one or more cultural sites.

MM:rm

Cy: Tony Ladino, ESH-20, MS M887
Teralene Foxx, ESH-20, MS M887

Los Alamos National Laboratory
Environmental Restoration Program
CONSTITUENT ASSESSMENT

SITE INFORMATION

1. PRS Number: 15-009(j)
2. Date/Time (M/D/Y H:M am/pm): 11/14/97 10:30:00 AM
3. ER Point of Contact: D. Pippin
4. FMU/Responsible Party Contact: 67/Franco Sisneros
5. (●) HSWA ( ) Area of Concern (AOC) (check both if AOC is on HSWA Permit)
6. Site Ranking System (SRS) #: 47
7. Description of the historical operations of this PRS:

Septic system that was used for TA-15-285. Drained shower, bathroom, sink. Disconnected in 1992.

8. Description of the current operations of this PRS (if any):

PRS STATUS

Action/Status to Date (check all that apply)

			Date Completed or Anticipated
( ) None			
(●) Field Investigation	(●) Phase I	( ) Phase II	6/1/95
( ) Interim Measures	( ) IM	( ) BMPs	
(●) Accelerated Cleanup	(●) VCA	( ) VCM	9/1/97
( ) Other	( ) Monitoring	( ) CMs	
(●) Report Status	(●) RFI Report	( ) SAP	11/1/95
( ) NFA/DOU. If checked, supply criteria number(s):	0		

SAMPLE INFORMATION

Y / N

☐ ☑ 10. Have surface/sediment (depth less than 12 inches) samples been collected that reflect current site conditions?

If yes: 1) Attach data.
2) Include analyte name, value, units, location ID, sample ID, SAL, depth, & media (soil, tuff, etc.)
3) Please attach existing map, showing where samples were taken, if available.

☐ ☑ 11. Have surface water samples been collected that reflect current site conditions?

If yes: 1) Attach data.
2) Include analyte name, value, units, location ID, filtered/non-filtered, & flow data, if available.
3) Please attach existing map, showing where samples were taken, if available.

☐ ☑ 12. Is data pending? If yes: 1) List date data are anticipated:
2) Provide list of COPCs identified in RFI Work Plan as an attachment.

D. Pippin

13. Signature of ER Representative

SITE INFORMATION

1a) PRS Number 15-009(j) **1b) Structure Number** [ ] **1c) FMU Number** 67

2. Date/Time (M/D/Y H:M am/pm) 7/28/97 11:35:00 AM

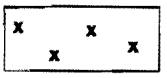
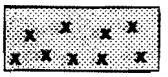
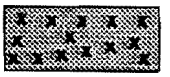
SITE SETTING (check all that apply)

3. ◉ **On mesa top (a).** ○ **In the canyon floor, but not in an established channel (c).**

○ **Within a bench of a canyon (b).** ○ **Within established channel in the canyon floor (d).**

Explanation: Located just southeast of 15-R-285, approx 1/4 mile from Canon de Valle (approx 50')

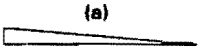
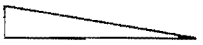
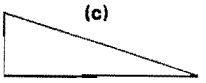
4. Estimated ground and/or canopy cover at site: (deciduous leaves, pine needles, rocks, vegetation, trees, structures, asphalt, etc.)

(illustration) (a)  (b)  (c) 

Estimated % of ground/canopy cover: ○ 0% to 25% ◉ 25% to 75 ○ 75% to 100

Explanation: Due to sampling operations, ground over site has less vegetation than surrounding area, which is 75-100% vegetated

5. Steepest slope at the area impacted:

(a)  (b)  (c) 

◉ Less than 10% ○ 10% to 30% ○ 30% and greater

Explanation:

RUNOFF FACTORS

Y / N

☐ ☒ **6. Is there visible evidence of runoff discharging from site? If yes, answer a) - c) below:**

☐ ☒ **6a) Is runoff channelized? If yes, describe** ○ **Man-made channel.** ○ **Natural channel.**

Explanation:

RUNOFF FACTORS, CONT'D

b) Where does evidence of runoff terminate?

- (●) Drainage or wetland (name) [ ]
- ( ) Within bench of canyon setting (name) [ ]
- ( ) Other (i.e., retention pond, meadow, mesa top) [ ]

Coordinates of termination point: Latitude: [ ] Longitude: [ ]

Explanation:

Y / N

[ ] [X] c) Has runoff caused visible erosion at the site? If yes, explain below: ( ) Sheet ( ) Rill ( ) Gully

Explanation:

RUN-ON FACTORS

Please rate the potential for storm water to run on to this site: (Check EITHER #9 or #11)

[X] [ ] 9. Are structures (i.e., buildings, roof drains, parking lots, storm drains) creating run-on to the site?

Explanation: South side of building 15-285 may contribute run-on to the site.

[ ] [X] 10. Are current operations (i.e., fire hydrants, NPDES outfalls) adversely impacting run-on to the sit

Explanation:

[ ] [X] 11. Are natural drainage patterns directing stormwater onto site?

Explanation:

ASSESSMENT FINDING:

[ ] [X] 12. Based on the above criteria and the assessment of this site, does soil erosion potential exist? (REFER TO EROSION POTENTIAL MATRIX.)

T. Lemke

Signature of Water Quality/Hydrology Representative

TL Initials of independent reviewer.

Check here when information is entered in database: [X]

This page is for internal ESH-18 notes, recommendations, and photos.

Y / N

○ ◉ Is there visible trash or debris on the site?

○ ◉ Is there visible trash or debris in a watercourse?

Recommended BMPs (Best Management Practices) for this site:

Description of existing BMPs:

○ ◉ Are BMPs being properly maintained? If no, describe in "Other Internal Notes."

○ ◉ Are BMPs effectively keeping sediment in place and reducing erosion potential?

OTHER INTERNAL NOTES:

Los Alamos National Laboratory

Environment, Safety and Health Division
ESH-18 Water Quality and Hydrology Group

AP 4.5 Surface Water Assessment Erosion Matrix for PRS 15-009(j)

CRITERIA EVALUATED	Value	Erosion/Sediment Transport Potential Low 0.1	Medium 0.5	High 1.0	Calculated Score
Site Setting (43)					
On mesa top	1	Defined based on topographic setting			1
Within bench of canyon	4				
Within the canyon floodplain but not watercourse	13				
Within bottom of canyon channel in watercourse	17				
Estimated % ground and canopy cover	13	>75%	25-75%	<25%	6.5
Slope	13	0-10%	10-30%	>30%	1.3
Surface Water Factors-Run-off (46)					
Visible evidence of runoff discharging? (Yes/No)	5	If no, score of 0 for runoff section. If yes, score 5 and proceed with section.			0
Where does runoff terminate?	19	Other	Bench Setting	Drainage/Wetland	0
Has runoff caused visible erosion? (Yes/No)	22	Sheet	Rill	Gully	0
		If no, score as 0. If yes, calculate as appropriate.			
Surface Water Factors-Run-on (11)					
Structures adversely affecting run-on (Yes/No)	7*	If yes, score as 7. If no, score as 0.			7
Current operations adversely impacting (Yes/No)	4	If yes, score as 4. If no, score as 0.			0
Natural drainages onto site (Yes/No)	7*	If yes, score as 7. If no, score as 0.			0
**Select either structures or natural drainages.*					
MAX. POSSIBLE EROSION MATRIX SCORE:	**100**			**Total Score**	15.8

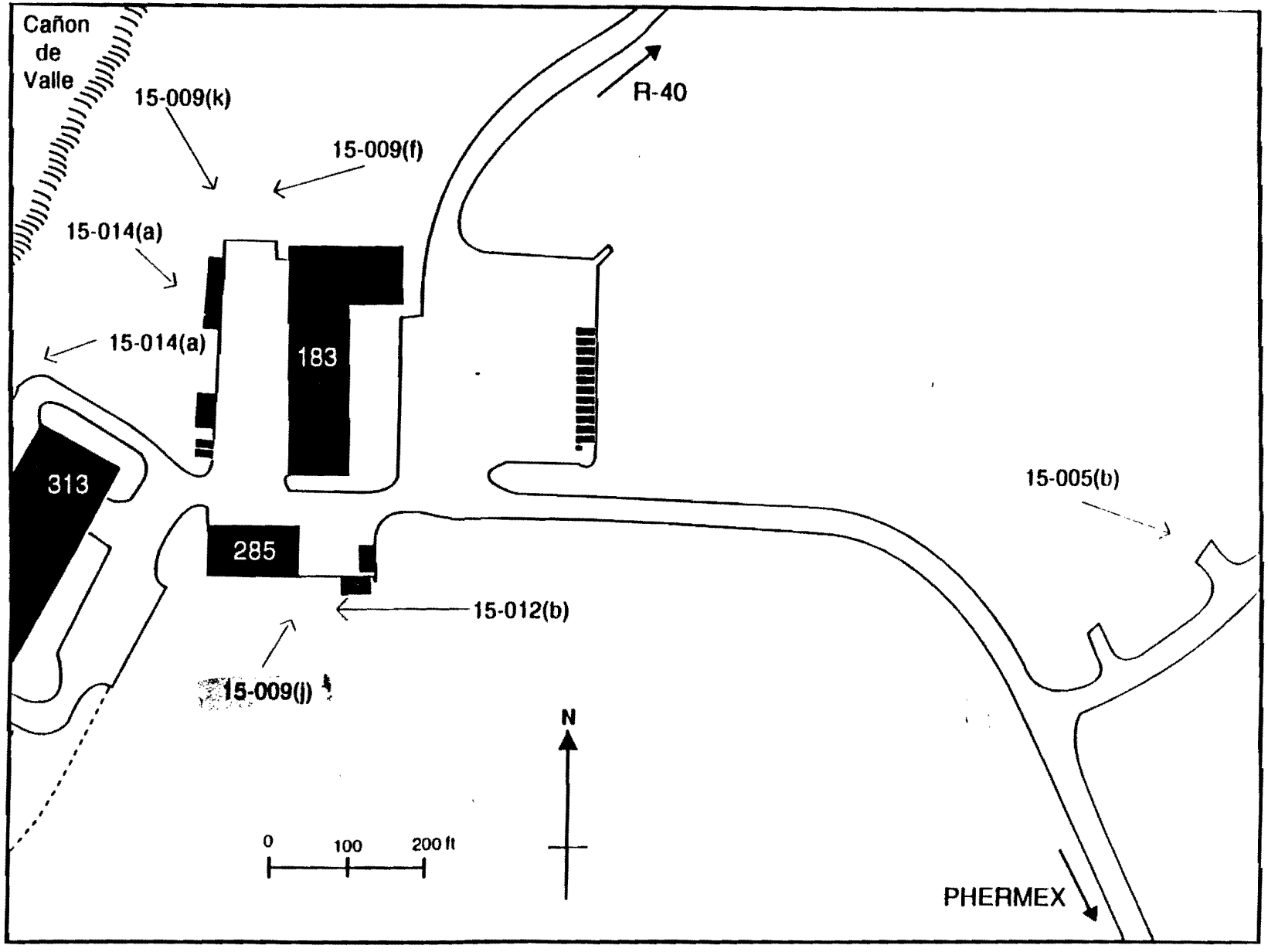


Figure 10.2-1 Diagram of R-183 showing location of PRSs with sampling plans in chapter 10.

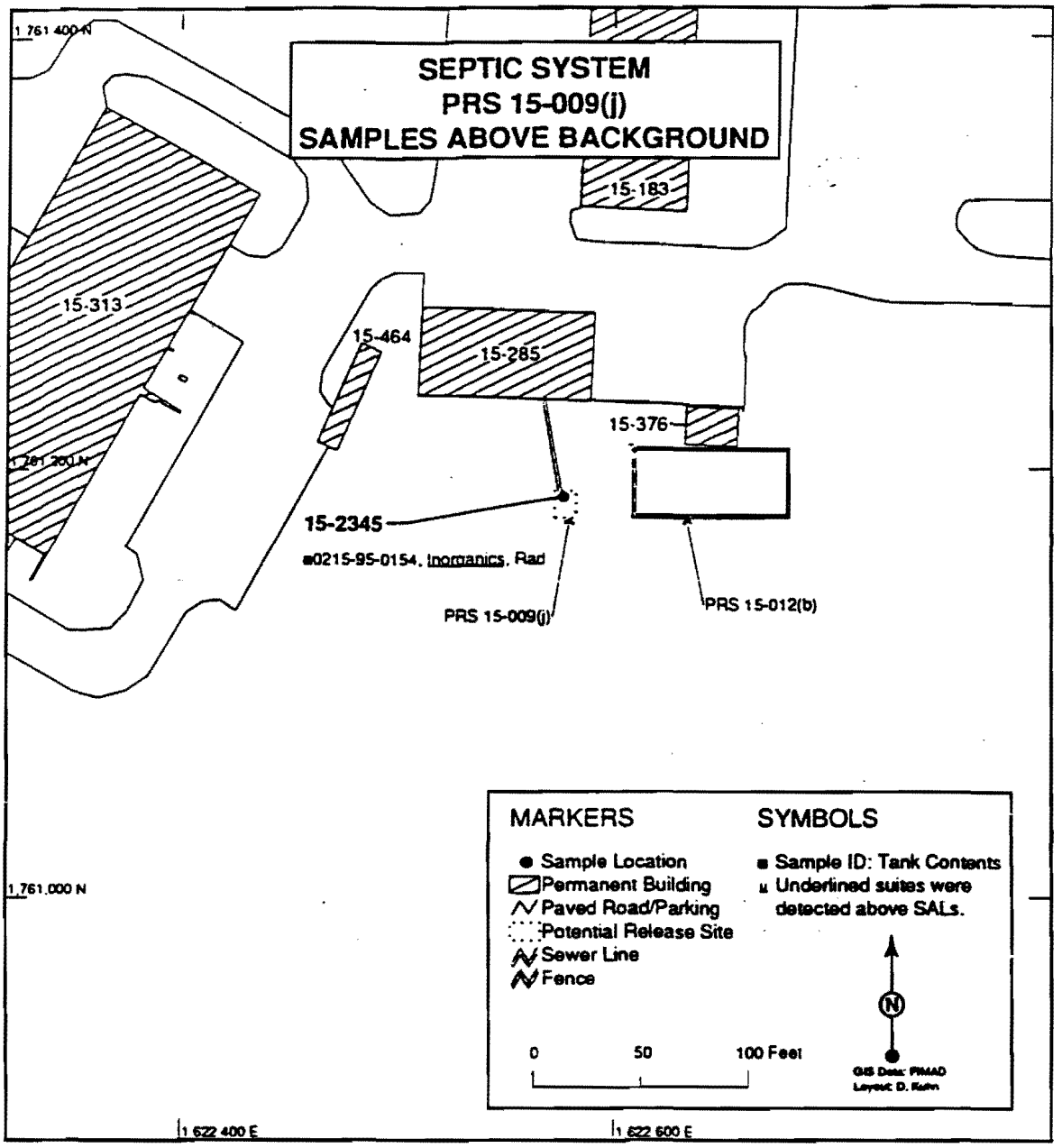


Figure 4-12. Locations of samples above background

LOS ALAMOS NATIONAL LABORATORY
SEPTIC SYSTEM SUMMARY SHEET
PRS 15-009(j)

Description:

PRS 15-009(j) is located within the secured boundaries of TA-15. The tank and drain field are positioned approximately 50 feet southeast of building TA-15-285. (See attached map and photo). The tank served Building TA-15-285 that has a bathroom, sink, shower, and janitor sink. The septic tank system was disconnected in the fall of 1992, and the Building TA-15-285 connected to the new Sanitary Waste Consolidation System (SWCS).

Conversations with personnel involved in past operations in the building indicated that silver soldering and use of a brightening tank occurred between 1979-1986. Cadmium is the main ingredient in brightening tanks. Also, it was indicated that personnel contaminated with beryllium, uranium, and lead from the vessel washing at PRS 15-012(b) showered in Building TA-15-285.

Since TA-15 is an active explosives testing area, access into different areas is closely controlled and requires the following:

- Log in at Access Control at TA-15-183
- Exchange badge and secure barrier key
- Verify site specific training conducted
- Verify "off road" training is conducted if activities will take you off paved area
- Assignment of two-way radio
- Brief of days activities
- Monitoring of feet before leaving area visited

Characterization:

The tank is essentially void of liquids, however, there was enough water in the bottom that allowed the collection of some samples. Samples were sent to a fixed laboratory for analysis. Samples were analyzed for total uranium, TAL metals and HE's. Results of the analytical data from the fixed laboratory indicate the presence of antimony, barium, cadmium, copper, lead, manganese, mercury, nickel, selenium, silver, vanadium, and zinc above the SAL and arsenic.

Phase II investigation is planned for the two seepage pits and underneath the tank.

Cleanup:

A Voluntary Corrective Action (VCA) plan will be prepared to describe the process to be followed in the removal of the named contaminants and the cleaning of the tank. Confirmatory sampling will be conducted to verify total cleanup of the contaminants was achieved. Cleanup will be accomplished during FY97.

APPENDIX C

RESULTS OF QUALITY ASSURANCE/QUALITY CONTROL ACTIVITIES

APPENDIX C

RESULTS OF QUALITY ASSURANCE/QUALITY CONTROL ACTIVITIES

C-1.0 SUMMARY

Four samples of the liquid from the septic tank were collected during the RFI at PRS 15-009(j) and sent to an off-site analytical laboratory for analyses of inorganics and uranium. Sixteen samples were collected from the media outside of the septic tank and analyzed for the assessment of PRS 15-009(j) during the VCA. The sixteen samples were sent to two off-site fixed analytical laboratories for analyses. The analytical suites included inorganics, isotopic uranium, VOCs, SVOCs, and HE for each sample. Table C-1.0-1 lists the analytical suites and method IDs used as well as a brief description of the analytical methods. The target analytes for each of these suites are listed in Appendix D-1.0 along with the detection or quantitation limits. Sample matrices included both soil and tuff (Qbt 2,3,4). Sample preservation techniques and holding time requirements are listed in LANL-ER SOP-1.02 and these guidelines were followed for these samples. The requirements of the VCA Plan for PRS 15-009(j) (ER Project 1997, ER ID 56385), the ER Project Quality Assurance Project Plan (QAPjP) (LANL 1996, ER ID 53450), the analytical services statement of work (LANL 1995, ER ID 49738), and ER SOPs were followed during the analytical data collection and evaluation process. No deviations in these requirements were encountered.

TABLE C-1.0-1
ANALYTICAL METHODS AND DESCRIPTIONS

Analytical Suite	Analytical Method*	Method Description
Inorganic	SW846-6010 (Water) (3010)	Inductively Coupled Plasma Emission Spectroscopy (ICPES)
Inorganic	SW846-6010A/CLP Metals (3050A)	Inductively Coupled Plasma Emission Spectroscopy (ICPES)
Arsenic, Lead, Selenium and Thallium	SW846-7060/7421/7740/7841 (3020)	Graphite Furnace Atomic Absorption Spectroscopy
Arsenic, Selenium and Thallium	SW846-7060/7740/7841 (3050A)	Graphite Furnace Atomic Absorption Spectroscopy
Mercury	SW846-7470 (7470)	Cold Vapor Atomic Absorption Spectroscopy (CVAA)
Mercury	SW846-7471A (7471A)	Cold Vapor Atomic Absorption Spectroscopy (CVAA)
Uranium	KPA	Kinetic Phosphorescence Analysis
Isotopic Uranium	HASL300	Alpha Spectroscopy
VOC	SW846-8260 (3540)	Gas Chromatography/Mass Spectrometry (GC/MS)
SVOC	SW846-8270B (3540)	Gas Chromatography/Mass Spectrometry (GC/MS)
HE	SW846-8330 (3540)	High Pressure Liquid Chromatography (HPLC)

**Sample preparation methods are in parentheses.*

No field duplicate samples were collected of the septic tank contents during the RFI at PRS 15-009(j). Two field duplicate samples of the soil were collected and analyzed during the VCA for the same suites as the original samples. Equipment blanks, trip blanks, and rinsate blanks were not collected and analyzed as

part of either investigation. Laboratory QC samples associated with the samples collected for the RFI and VCA included laboratory control samples, blanks, laboratory duplicates, matrix spikes/matrix spike duplicates, surrogates, and isotopic tracers. The type and frequency of QC analyses required for fixed-laboratory analyses are described in the ER Project Statement of Work for Analytical Services (LANL 1995, ER ID 49738) and definitions for the various types of QC samples are provided in the glossary in Appendix A-2.0.

All the data in this report (RFI and VCA) have undergone routine validation as described in the Installation Work Plan (IWP) (LANL 1995, ER ID 52009). The ER data validation procedures are based on EPA's National Functional Guidelines for Data Review (EPA 1994, ER ID 48639; EPA 1994, ER ID 48640). If appropriate, qualifiers have been applied to the sample data; no data were rejected during the routine validation process. The data qualifiers used were UJ and J-, which indicated that the reported concentrations were estimated and potentially biased low. Despite the qualification of some sample results, the data are of sufficient quality and are usable for decision-making purposes. An overview of the results of the data validation and the impact of the qualification on the data are presented in Section 2.3.4.3 and Section 3.4.1. Section C-5.0, Results of Data Validation, presents and describes the QC issues encountered during the analyses and the qualifiers assigned to the data for the RFI and the VCA. Definitions of the qualifiers used during routine data validation are provided in Appendix A-2.0.

C-2.0 INORGANIC ANALYSES

C-2.1 Field Analyses

Field analytical techniques were not used during the RFI or VCA to screen the PRS for inorganics or bias sampling locations.

C-2.2 Fixed Laboratory Analyses

Four samples of the liquid in the septic tank were collected during the RFI and analyzed for inorganics. The samples were analyzed by one of the following methods: ICPES, CVAA, or graphite furnace atomic absorption (Table D-1). The inorganic analyses were performed by two off-site analytical laboratories. The EDLs for the inorganics did not exceed the contract required detection limits (Appendix D-1.0). These inorganics are discussed in Section 2.3.4.3, Data Review and Section 2.4.2.1, Human Health.

Sixteen subsurface samples were collected during the VCA and analyzed for inorganics. The samples were analyzed by one of the following methods: ICPES, CVAA, or graphite furnace atomic absorption (Table D-1). The inorganic analyses were performed by two off-site analytical laboratories. Several inorganic analytes (antimony, cadmium, mercury, selenium, silver, and thallium) had estimated detection limits (EDLs) greater than the BVs for soil and/or tuff. The EDLs for the inorganics did not exceed the contract required detection limits (Appendix D-1.0) and were the result of the analytical methods (ICPES and CVAA). These inorganics are discussed in Section 3.4.1, Data Review and Section 3.4.3.2, Human Health.

Inorganic QA/QC Samples

Laboratory Control Samples (LCS) – The LCS monitors the overall performance of each step during the analysis, including sample preparation. The analytical results for the samples were qualified according to the guidelines presented in EPA's National Functional Guidelines for Inorganic Data Review (EPA 1994, ER ID 48639) if the recovery was outside of the acceptable limits. The acceptable limits for the LCS are 80-120%. The recoveries for the inorganic LCS analyses were within the acceptable limits for all samples (RFI and VCA), indicating that there was no apparent bias associated with the sample results.

Blanks – The assessment of blank analysis results is to determine the existence and magnitude of contamination resulting from laboratory and/or field activities. The analytical results for the samples were

qualified according to the guidelines presented in EPA's National Functional Guidelines for Inorganic Data Review (EPA 1994, ER ID 48639) if the recovery was outside of the acceptable limits. The criteria for evaluation of blanks applies to any blank associated with the samples. The blanks analyzed by the analytical laboratories included preparation, calibration, and method blanks; no field related blanks (rinsate, trip, or field) were collected and analyzed. The blank results for the RFI and VCA inorganic analyses were acceptable with the following exceptions.

- For the RFI, thallium was detected in the laboratory blank. The sample result was less than 5X the blank value, indicating possible laboratory contamination. The sample value is qualified as U (undetected).

- For the RFI, beryllium, cobalt, copper, and nickel were detected in the laboratory blank. The sample results were greater than 5X the blank value. The sample values are not qualified and are usable as reported.

- For the VCA, beryllium was detected in the preparation blanks. The sample results for five samples were less than 5X the blank values, indicating that the detection of beryllium in these samples may be the result of laboratory contamination. The five sample values are qualified as U (undetected). The other four beryllium values were detects and are not qualified.

- For the VCA, thallium was detected in the preparation blank. The five sample results were less than 5X the blank value, indicating that the detection of thallium in these samples may be the result of laboratory contamination. The five sample values are qualified as U (undetected).

Matrix Spikes – Spiked sample analysis is designed to provide information about the effect of each sample matrix on the sample preparation procedures and measurement methodology. The analytical results for the samples were qualified according to the guidelines presented in EPA's National Functional Guidelines for Inorganic Data Review (EPA 1994, ER ID 48639) if the recovery was outside of the acceptable limits. The acceptable limits for matrix spike recoveries are 75-125%. The recoveries for the RFI matrix spike analyses were within the acceptable limits with the following exceptions.

- Antimony and arsenic matrix spike recoveries for three samples were below the lower limit of 75%. Antimony was qualified as UJ or J- and arsenic was qualified as J- based on the low spike recoveries. The data are usable because the recoveries of 61% and 47% respectively were within the range of 30-75%, which results in acceptable but potentially biased low data. The recoveries were, therefore, sufficient to detect antimony and arsenic.

- Silver matrix spike recovery (132%) for three samples was above the upper limit of 125%. Silver was qualified as J+ based on the high recovery. The data are usable because the result is potentially biased high and therefore may overestimate the true values.

The recoveries for the VCA matrix spike analyses were within the acceptable limits with the following exceptions.

- Antimony, manganese, and selenium spike recoveries in seven samples were below the lower limit of 75%. Antimony is qualified as UJ, manganese is qualified as J-, and selenium is qualified as UJ based on the low spike recoveries. The data are usable because the recoveries of 32.8%, 63.1%, and 65.9%, respectively, were within the range of 30-75%, which results in acceptable but potentially biased low data. The recoveries were, therefore, sufficient to identify whether antimony and selenium were present. Antimony and selenium are discussed further in Section 2.3.4.3, Data Review and Section 3.4.2.1, Human Health. The manganese concentrations are estimated and were approximately one-eighth to one-half of the BV and an order of magnitude or more below the SAL. As a result, the potential low bias for manganese does not affect the data comparison. In addition, a post-

digestion spike was analyzed for these three analytes and percent recoveries of 85.7% to 100%, which were within the acceptable limits of 75-125%.

- Manganese spike recovery in five other samples was also below the lower limit of 75%. Manganese results for these samples are qualified as J- based on the low spike recovery. The data are usable because the recovery of 71.5% was within the range of 30-75%, which results in acceptable but potentially biased low data. The manganese concentrations are estimated and were approximately one-sixth to one-half of the BV and an order of magnitude or more below the SAL. As a result, the potential low bias for manganese does not affect the data comparison.

Laboratory Duplicates – Duplicate sample analysis is used to demonstrate acceptable method precision by the analytical laboratory at the time of analysis or to determine long-term precision of the analytical method. The analytical results for the samples were qualified according to the guidelines presented in EPA's National Functional Guidelines for Inorganic Data Review (EPA 1994, ER ID 48639) if the recovery was outside of the acceptable limits. The acceptable relative percent difference (RPD) between the sample and duplicate results is ±20% according to the routine validation procedure, but may be ±35% for soils according to EPA's functional guidelines (EPA 1994, ER ID 48639). The RPDs for the RFI inorganic duplicate analyses were below ±20% with the following exception, while the RPDs for the VCA inorganic analyses were below one or both of these limits for all samples.

- The laboratory duplicate analysis for mercury resulted in a RPD of 32.1%, which is above the EPA limit of ±20%. This resulted in the mercury data from the septic tank being qualified as P (professional judgement). Despite the lower than usual precision, the duplicate sample result for mercury was within the range of concentrations detected in the septic tank liquid (5.6 μg/L to 61 μg/L) and should not be qualified.

C-3.0 RADIOCHEMICAL ANALYSES

C-3.1 Field Analyses

Field analytical techniques were not used during the RFI or VCA to screen the PRS for radionuclides or bias sampling locations. Field screening was conducted for radionuclides for health and safety purposes.

C-3.2 Fixed Laboratory Analyses

Four samples of the liquid in the septic tank were collected during the RFI and analyzed for uranium. The samples were analyzed by KPA (Table D-5) and were performed by an off-site analytical laboratory. The EDLs for uranium did not exceed the contract required detection limits (Appendix D-1.0). Uranium is discussed in Section 2.3.4.3, Data Review and Section 2.4.2.1, Human Health.

Sixteen subsurface samples were collected during the VCA and analyzed for isotopic uranium by alpha spectroscopy (Table D-5). The isotopic uranium analyses were performed by two off-site analytical laboratories. The detection status for isotopic uranium was compared to the minimum detectable activity for all samples and analytes. The contract required detection limits (CRDLs) for isotopic uranium are presented in Appendix D-1.0. The isotopic uranium results are discussed in Section 3.4.1, Data Review and Section 3.4.3.2, Human Health.

For the RFI data, the minimum detectable activities for uranium were equal to or less than the EQLs with the following exceptions.

- The minimum detectable activity for one sample was greater than the EQL and is qualified as PM (professional judgment and manual review of the data required). Further review indicated that because the sample EQL was not artificially elevated, the sample result should be qualified as U

(undetected). The uranium value in this sample is also qualified as U because of blank contamination (see below).

For the VCA data, the minimum detectable activities for isotopic uranium were equal to or less than the EQLs with the following exceptions.

- Five samples from one request number had sample results for uranium-235 greater than the minimum detectable activity but less than the EQL and are qualified as U (undetected).
- Two samples from one request number had sample results for uranium-235 greater than the minimum detectable activity but less than the EQL and are qualified as U (undetected).
- Four samples from one request number had sample results for uranium-235 less than the minimum detectable activity but greater than the EQL and are qualified as U (undetected).
- Three samples from one request number had sample results for uranium-234 less than the minimum detectable activity but greater than the EQL and are qualified as U (undetected).
- Two samples from one request number had sample results for uranium-238 less than the minimum detectable activity but greater than the EQL and are qualified as U (undetected).

Radionuclide QA/QC Samples

Laboratory Control Samples (LCS) – The LCS monitors the overall performance of each step during the analysis, including sample preparation. The analytical results for the samples were qualified according to the guidelines presented in EPA's National Functional Guidelines for Inorganic Data Review (EPA 1994, ER ID 48639) if the recovery was outside of the acceptable limits. The LANL SOW specifies that the recoveries for the LCS be ±25% of the certified values. The recoveries for the LCS analyses were within the ±25% limits for all samples (RFI and VCA), indicating that there was no apparent bias associated with the sample results.

Blanks – The assessment of blank analysis results is to determine the existence and magnitude of contamination resulting from laboratory and/or field activities. The analytical results for the samples were qualified according to the guidelines presented in EPA's National Functional Guidelines for Inorganic Data Review (EPA 1994, ER ID 48639) if the recovery was outside of the acceptable limits. The criteria for evaluation of blanks applies to any blank associated with the samples. The blanks analyzed in by the analytical laboratories included method blanks; no field related blanks (rinsate, trip, or field) were collected and analyzed. The blank results for the uranium analyses were acceptable for the RFI samples with the following exception, while the blank results for the VCA isotopic analyses were acceptable for all samples.

- Uranium was detected in a method blank for one sample. The sample result was less than 5X the blank value, indicating that the detection of uranium in the sample may be the result of laboratory contamination. The sample value is qualified as U (undetected).

Laboratory Duplicates – Duplicate sample analysis are used to demonstrate acceptable method precision by the analytical laboratory at the time of analysis or to determine long-term precision of the analytical method. The analytical results for the samples were qualified according to the guidelines presented in EPA's National Functional Guidelines for Inorganic Data Review (EPA 1994, ER ID 48639) if the recovery was outside of the acceptable limits. There are no required acceptance criteria for duplicate analysis for radionuclides. The results were evaluated based on a 3-sigma (3 standard deviations) agreement. All sample results (RFI and VCA) were within 3-sigma of the original sample result.

Matrix Spikes – The data for matrix spike/matrix spike duplicates (MS/MSD) are generated to determine long-term precision and accuracy of the analytical method on various matrices and to demonstrate

compound recovery by the laboratory at the time of analysis. The analytical results for the samples were qualified according to the guidelines presented in EPA's National Functional Guidelines for Inorganic Data Review (EPA 1994, ER ID 48639) if the recoveries were outside of the acceptable limits of 75-125%. The recoveries for the uranium MS/MSD analyses were within the acceptable limits for the RFI samples, indicating that there was no apparent bias associated with the sample results. A MS/MSD were not analyzed for isotopic uranium analyses for the VCA.

Tracers – Radionuclide tracers are used to track the accuracy and bias of the analytical measurement. Tracers are designed to provide information about the effect of the sample matrix on the sample preparation procedures and measurement methodology. The LANL SOW specifies the required tracer recoveries for alpha emitters should be 30-110%. The tracer recoveries for isotopic uranium were within the acceptable limits for all VCA samples. Tracers were not analyzed in the uranium analyses conducted for the RFI.

C-4.0 ORGANIC ANALYSES

C-4.1 Field Analyses

Field analytical techniques were not used during the RFI or VCA to screen the PRS for organic compounds or bias sampling locations. Field screening was conducted for organic compounds for health and safety purposes.

C-4.2 Fixed Laboratory Analyses

One sample of the liquid in the septic tank was collected and analyzed for HE during the RFI at PRS 15-009(j).

Sixteen subsurface samples were collected during the VCA and analyzed for VOCs, SVOCs, and HE. The samples were analyzed by GC/MS for VOCs and SVOCs and HPLC for HE (Tables D-2 to D-4). The organic analyses were performed by two off-site analytical laboratories. Some organic analytes have estimated quantitation limits (EQLs) greater than SALs. The extraction and analysis procedures were conducted as required in the LANL SOW for analytical services and the EQLs did not exceed the contract required detection limits (Appendix D-1.0). In addition, the liquid and sludge from the septic tank were analyzed for VOCs, SVOCs, and HE for waste characterization purposes during the VCA at PRS 15-0009(j).

Organic QA/QC Samples

Laboratory Control Samples – The data for the LCS are generated to provide information on the accuracy of the analytical method and on laboratory performance. The analytical results for the samples were qualified according to the guidelines presented in EPA's National Functional Guidelines for Organic Data Review (EPA 1994, ER ID 48640) if the recoveries were outside of the acceptable limits. The acceptable limits for the LCS are 80-120%. The recoveries for the organic LCS analyses associated with the HE analysis conducted for the RFI were within the acceptable limits with the following exceptions. The recoveries for the organic LCS analyses were within the acceptable limits for all samples associated with the VCA, indicating that there was no apparent bias associated with the sample results.

- The LCS recoveries for 2-amino-4,6-dinitrotoluene, 4-amino-2,6-dinitrotoluene, m-dinitrobenzene, nitrobenzene, and m-,o-,p-nitrotoluene were outside of the established limits and are qualified as UJ. The data are usable because the recoveries were within the range of 10-75%, which results in acceptable but potentially biased low data. The recovery was, therefore, sufficient to identify whether HE compounds were present.

Matrix Spikes – The data for matrix spike/matrix spike duplicates (MS/MSD) are generated to determine long-term precision and accuracy of the analytical method on various matrices and to demonstrate compound recovery by the laboratory at the time of analysis. The analytical results for the samples were qualified according to the guidelines presented in EPA's National Functional Guidelines for Organic Data Review (EPA 1994, ER ID 48640) if the recoveries were outside of the acceptable limits. The acceptable limits are compound specific. The recoveries for the organic MS/MSD analyses were within the acceptable limits for all analytes and samples, indicating that there was no apparent bias associated with the sample results.

Internal Standards – Internal standard performance criteria ensures that the GC/MS sensitivity and response are stable during the analyses. The analytical results for the samples were qualified according to the guidelines presented in EPA's National Functional Guidelines for Organic Data Review (EPA 1994, ER ID 48640) if the recoveries were outside of the acceptable limits. The internal standard area counts must not vary by more than a factor of two (-50% to +100%) from the associated 12 hr calibration standard. The internal standard area counts for the organic analyses were within the criteria for all analytes and samples, indicating that there was no apparent bias associated with the sample results.

Surrogates – Laboratory performance on individual samples is established by measuring spiking activities. All samples are spiked with surrogate compounds prior to sample preparation and the recoveries evaluated. The analytical results for the samples were qualified according to the guidelines presented in EPA's National Functional Guidelines for Organic Data Review (EPA 1994, ER ID 48640) if the recoveries were outside of the acceptable limits. The acceptable surrogate recovery limits for VOC and SVOCs are compound specific as follows:

VOCs	
4-Bromofluorbenzene	86-115%
Dibromofluoromethane	86-118%
Toluene-d8	88-110%
SVOCs	
Nitrobenzene-d5	23-120%
2-Fluorobiphenyl	30-115%
p-Terphenyl	18-137%
Phenol-d6	24-113%
2-Fluorophenol	25-121%
2,4,6-Tribromophenol	19-122%
HE	
1,4-Dinitrobenzene	20-120%

Blanks – The assessment of blank analysis results is to determine the existence and magnitude of contamination resulting from laboratory and/or field activities. The analytical results for the samples were qualified according to the guidelines presented in EPA's National Functional Guidelines for Organic Data Review (EPA 1994, ER ID 48640) if the recovery was outside of the acceptable limits. The criteria for evaluation of blanks applies to any blank associated with the samples. The blanks analyzed by the analytical laboratories included method blanks; no field related blanks (rinsate, trip, or field) were collected and analyzed. The blank results for the VOCs and SVOCs were acceptable for all samples with the following exceptions.

- Methylene chloride, a common laboratory contaminant, was detected in a method blank. The five sample results were less than 10X the blank value, indicating that the detection of methylene chloride in these samples may be the result of laboratory contamination. The five sample values for methylene chloride are qualified as U (undetected).

- Bis(2-ethylhexyl)phthalate, a common laboratory contaminant, was detected in a method blank. The three sample results were less than 10X the blank value, indicating that the detection of bis(2-ethylhexyl)phthalate in these samples may be the result of laboratory contamination. The three sample values for bis(2-ethylhexyl)phthalate are qualified as U (undetected).

C-5.0 RESULTS OF DATA VALIDATION

The QA/QC issues for the RFI sampling at PRS 15-009(j) are presented in the following table according request number, sample ID, and analytical suite.

TABLE C-5.0-1
PRS 15-009(j)
DATA QUALITY EVALUATION OF RFI SAMPLES

Request Number	Sample ID	Suite	Comments
70471	0215-95-00154	Inorganics	Beryllium is qualified as J because it was detected below the EQL. The datum is usable as an estimated value and has a high degree of uncertainty because it cannot be accurately distinguished from the instrument "noise" level.
			Beryllium, cobalt, copper, and nickel were detected in the associated laboratory blank. The sample values were greater than 5X the blank values. The sample values are not qualified and are usable as reported.
			Thallium was detected in the associated laboratory blank. The sample value was less than 5X the blank value indicating laboratory contamination. The sample value is qualified as U (undetected).
		HE	The percent recoveries in the LCS for the high explosives data for 2-amino-4,6-dinitrotoluene, 4-amino-2,6-dinitrotoluene, m-dinitrobenzene, nitrobenzene, and m-,o-,p-nitrotoluene were outside of the established limits of 80-120% and are qualified as UJ. The data are usable because the recoveries were within the range of 10-75%, which results in acceptable but potentially biased low data. The recoveries were sufficient to identify whether HE compounds were present.
1086-95-0098	0215-95-0013, -0014,-0015	Inorganics	Antimony arsenic had matrix spike recoveries outside of established limits (75%-125%). The antimony data are qualified as UJ in two samples and J- in one sample, while the arsenic data are qualified as J- in three samples. The data are usable because the recoveries of 61% and 47% respectively were within the range of 30-74%, which results in acceptable, but potentially biased low data. Therefore, the recoveries were sufficient to detect antimony and arsenic.
			Silver had a matrix spike recovery outside of established limits (75-125%). the data are qualified as J+ and are usable because the recovery of 132% resulted in acceptable but potentially high biased data. As a result, the results may overestimate the true values.
			Mercury had a relative percent difference (RPD) for the laboratory duplicate analysis that was above the limit of ±20%. The R PD of 32.1% indicated lower than usual precision and the mercury data are qualified as P (professional judgement). However, the sample value and duplicate value are within the range of concentration detected in the liquid from the septic tank and the data should not be qualified.
	0215-95-0013	Radionuclides	Uranium was detected in the associated laboratory blank. The sample value was less than 5X the blank value indicating laboratory contamination. The sample value is qualified as U (undetected).

TABLE C-5.0-1
PRS 15-009(j)
DATA QUALITY EVALUATION OF RFI SAMPLES
(Concluded)

Request Number	Sample ID	Suite	Comments
1086-95-0098	0215-95-0013	Radionuclides	The minimum detectable activity for uranium was greater than the EQL and is qualified as PM (professional judgment and manual review of the data required). Further review indicated that because the sample was not diluted, the EQL was not artificially elevated and the sample result should be qualified as U (undetected). The uranium value in this sample is also qualified as U because of blank contamination.

The QA/QC issues for the VCA sampling at PRS 15-009(j) are presented in the following table according request number, sample ID, and analytical suite.

TABLE C-5.0-2
PRS 15-009(j)
DATA QUALITY EVALUATION OF VCA SAMPLES

Request Number	Sample ID	Suite	Comments
3516R	0215-97-0006, -0007,-0008,	Inorganics	Antimony, cadmium, mercury, silver, and thallium were undetected, but had detection limits above their respective background values (BVs) in the samples collected from beneath the inlet and outlet. The elevated detection limits were the result of the analytical method and instrument used and not the result of matrix problems or sample dilution.
	0215-97-0009, -0010,-0011, -0012		Antimony, silver, and thallium were undetected, but had detection limits above their respective background values (BVs) in the soil samples collected from beneath the septic tank. The elevated detection limits were the result of the analytical method and instrument used and not the result of matrix problems or sample dilution.
	0215-97-0006, -0007,-0008, -0009,-0010, -0011,-0012		Antimony, manganese, and selenium had spike recoveries outside of established limits (75%-125%) (EPA 1994, 1206). The data are qualified as UJ or J- and are usable because the recoveries of 32.8%, 63.1%, and 65.9% were within the range of 30-74%, which results in acceptable, but potentially biased low data (EPA 1994, 1206). Therefore, the recoveries were sufficient to detect antimony and selenium if they were present. The manganese results were approximately one-eighth to one-half of the background UTL and an order of magnitude or more below the SAL. In addition, a post-digestion spike was analyzed for these three analytes and had percent recoveries of 85.7% to 100%, which were within the established limits of 75-125%.

TABLE C-5.0-2
PRS 15-009(j)
DATA QUALITY EVALUATION OF VCA SAMPLES
(Continued)

Request Number	Sample ID	Suite	Comments
3560R	0215-97-0016, -0018,-0019, -0103	Inorganics	The antimony results in the tuff samples collected from the boreholes adjacent to the seepage pits were undetected but had detection limits above the tuff BV of 0.5 mg/kg. The elevated detection limits were the result of the analytical method and instrument used and not the result of matrix problems or sample dilution
	0215-97-0016, -0017,-0018, -0019,-0103		Manganese had a spike recovery outside of established limits (75%-125%) (EPA 1994, 1206). The data are qualified as J- and are usable because the recovery of 71.5% was within the range of 30-74%, which results in acceptable, but potentially biased low data (EPA 1994, 1206). The manganese results were approximately one-sixth to one-half of the background UTL and an order of magnitude or more below the SAL, so the potential low bias did not affect the data comparison.
3560R	0215-97-0016, -0018,-0019, -0103	Inorganics	Beryllium was detected in the associated preparation blank. The sample values were less than 5X the blank value indicating that the detection of this analyte may be due to laboratory contamination (EPA 1994, 1205). The sample values are qualified as U (undetected).
	0215-97-0016, -0017,-0018, -0019,-0103		Thallium was detected in the associated preparation blank. The sample values were less than 5X the blank value indicating that the detection of this analyte may be due to laboratory contamination (EPA 1994, 1205). The sample values are qualified as U (undetected).
	0215-97-0016, -0017,-0018, -0019,-0103		The spike sample and duplicate for mercury were analyzed on a sample from another request number. The two request numbers were batched together for the analyses. The data are qualified as "A" to denote this situation.
3554R	0215-97-0015, -0102		The antimony results in the tuff samples collected from the boreholes adjacent to the seepage pits were undetected but had detection limits above the tuff BV of 0.5 mg/kg. The elevated detection limits were the result of the analytical method and instrument used and not the result of matrix problems or sample dilution
	0215-97-0015		Beryllium was detected in the associated preparation blank. The sample value was less than 5X the blank value indicating that the detection of this analyte may be due to laboratory contamination (EPA 1994, 1205). The sample value is qualified as U (undetected).
	0215-97-0013, -0014,-0015, -0102		The spike sample and duplicates for all inorganics, except for mercury, were analyzed on a sample from another request number. The two request numbers were batched together for the analyses. The data are qualified as" "A to denote this situation.

TABLE C-5.0-2
PRS 15-009(j)
DATA QUALITY EVALUATION OF VCA SAMPLES
(Concluded)

Request Number	Sample ID	Suite	Comments
3552R	0215-97-0013, -0014,-0015	SVOCs	Bis(2-ethylhexyl)phthalate, which is a common laboratory contaminant, was detected in the associated method blank. The sample values were less than 10X the blank value indicating that the detection of this analyte may be due to laboratory contamination. The sample values are qualified as U (undetected).
	0215-97-0013, -0015	VOCs	Acetone in two samples was detected at concentrations below the EQL, resulting in the sample values being qualified as J. The sample results for acetone are estimated values because they cannot be accurately distinguished from the instrument "noise" levels.
	0215-97-0016, -0017,-0018, -0019		Acetone in four samples was detected at concentrations below the EQL, resulting in the sample values being qualified as J. The sample results for acetone are estimated values because they cannot be accurately distinguished from the instrument "noise" levels.
3558R	0215-97-0016, -0017,-0018, -0019,-0103	VOCs	Methylene chloride, which is a common laboratory contaminant, was detected in the associated method blank. The sample values were less than 10X the blank value, indicating that the detection of this analyte may be due to laboratory contamination. The sample values are qualified as U (undetected).
3512R	0215-97-0007, -0012	Radionuclides	Uranium-235 sample results are less than the minimum detectable activity. The data are qualified as U (undetected).
	0215-97-0006, -0008,-0009, -0010,-0011		Uranium-235 sample results are greater than the minimum detectable activity but less than the EQL. The data are qualified as U (undetected).
3555R	0215-97-0013, -0014		Uranium-235 sample results are less than the minimum detectable activity. The data are qualified as U (undetected).
	0215-97-0015, -0102		Uranium-235 sample results are greater than the minimum detectable activity but less than the EQL. The data are qualified as U (undetected).
3561R	0215-97-0016		Uranium-235 sample result is less than both the minimum detectable activity and EQL and is qualified as U (undetected).
	0215-97-0017, -0018,-0019, -0103		Uranium-235 sample results are less than the minimum detectable activity but greater than the EQL and are qualified as U (undetected).
	0215-97-0018, -0019,-0103		Uranium-234 sample results are less than the minimum detectable activity but greater than the EQL and are qualified as U (undetected).
	0215-97-0016, -0019		Uranium-238 sample results are less than the minimum detectable activity but greater than the EQL and are qualified as U (undetected).

APPENDIX D ANALYTICAL SUITES AND RESULTS

D-1.0 TARGET ANALYTES AND DETECTION LIMITS

This section presents tables that list the target analytes and detection limits for all analyses conducted during this investigation.

D-1.1 Routine Analytical Suites

D-1.1.1 Inorganic Analyses

Estimated detection limits (EDLs) for inorganic analytes are presented in Table D-1. For water samples, the EDLs are based on the EPA's Contract Laboratory Program (CLP) "Contract Required Detection Limits."

TABLE D-1
DETERMINATION OF METALS

	ICPAES[1]		*GFAA or ICP-MS*	
Analyte	**Water, µg/L**	**Soils, mg/Kg**[2]	**Water, µg/L**	**Soils, mg/Kg**[2]
Aluminum	200	40		
Antimony	60	12		
Arsenic	NR[4]	NR[4]	10	2
Barium	200	40		
Beryllium	5	1		
Cadmium[5]	5	1		
Calcium	5000	1000		
Chromium[5]	10	2		
Cobalt	50	10		
Copper	25	5		
Cyanide[3]	NR[4]	NR[4]	NR[4]	NR[4]
Iron	100	20		
Lead[5]	3	0.6	1	0.2
Magnesium	5000	1000		
Manganese	15	3		
Mercury[6]	NR[4]	NR[4]	NR[4]	NR[4]
Nickel	40	8		
Potassium	5000	1000		
Selenium	NR[4]	NR[4]	5	1
Silver[5]	10	2		
Sodium	5000	1000		
Thallium	NR[4]	NR[4]	10	2
Vanadium	50	10		
Zinc	20	4		

[1] Recommended method for inductively coupled plasma atomic emission spectroscopy (ICPAES) analysis is SW6010A. The preparation method is nitric acid digestion, method 3050A.
[2] Soil EDLs for ICPAES graphite furnace atomic absorption spectroscopy (GFAA), and inductively coupled plasma mass spectroscopy (ICP-MS) analytes are based upon a 1-g sample taken to a final volume of 200 mL.
[3] Cyanide may be determined using methods SW9010, SW9010A, SW9012, or EPA 335.2. The EDLs for cyanide are 10 µg/L (water) and 0.05 mg/Kg (soils). [4] NR = not recommended; analyte should not be determined using this method.
[5] Atomic absorption (AA) methods or ICP-MS may also be used for these analytes.
[6] Mercury should be determined by the cold vapor technique (method 7471A) with an EDL for water = 0.2 µg/L and an EDL for soils = 0.1 mg/Kg.

In cases where the EDL for a metal cannot be met using ICPAES or where false positives are known to be a problem historically within a laboratory, the subcontractor must use the GFAA technique (e.g., method SW7841 for thallium, method 7060 for arsenic, and method SW7740 for selenium).

D-1.1.2 Organic Analytes

Table D-2 identifies the volatile target analytes and associated estimated quantitation limits (EQLs). The US EPA methods that are available for use are method SW8260 (11/90 or more recent) or the CLP method for volatiles (OLM02.0 or more recent, using capillary column). These methods are based on purge-and-trap sample extraction/concentration followed by gas chromatography/mass spectrometry analysis.

TABLE D-2
VOLATILE TARGET ANALYTES AND EQLS

Target Analyte	Water, µg/L	Soil/Solids, mg/kg
Chloromethane	10	10
Vinyl Chloride	10	10
Bromomethane	10	10
Chloroethane	10	10
Acetone	20	20
Dichlorodifluoromethane	10	10
Iodomethane	5	5
Trichlorotrifluoroethane	5	5
Trichlorofluoromethane	5	5
Methylene Chloride	5	5
1,1-Dichloroethene	5	5
Carbon Disulfide	5	5
1,1-Dichloroethane	5	5
1,2-Dichloroethene (total)	10	10
Bromochloromethane	5	5
Chloroform	5	5
1,2-Dichloroethane	5	5
1,1-Dichloropropene	5	5
2-Butanone	20	20
2,2-Dichloropropane	5	5
1,1,1-Trichloroethane	5	5
Carbon Tetrachloride	5	5
Benzene	5	5
1,2-Dichloropropane	5	5
Trichloroethene	5	5
Dibromomethane	5	5
Bromodichloromethane	5	5
t-1,3-Dichloropropene	5	5
c-1,3-Dichloropropene	5	5
1,1,2-Trichloroethane	5	5
1,3-Dichloropropane	5	5
Chlorodibromomethane	5	5
4-Methyl-2-Pentanone	20	20
Toluene	5	5
2-Hexanone	20	20
1,2-Dibromoethane	5	5

TABLE D-3
SEMIVOLATILE TARGET ANALYTES AND ASSOCIATED EQLS
(Concluded)

Target Analyte	Water, µg/L	Soil/Solids, mg/kg
Tetrachloroethene	5	5
Chlorobenzene	5	5
1,1,1,2-Tetrachloroethane	5	5
Ethylbenzene	5	5
o,m,p-Xylene (mixed)	5	5
Styrene	5	5
Bromoform	5	5
1,1,2,2,-Tetrachloroethane	5	5
1,2,3-Trichloropropane	5	5
Isopropylbenzene	5	5
Bromobenzene	5	5
n-Propylbenzene	5	5
2-Chlorotoluene	5	5
4-Chlorotoluene	5	5
1,3,5-Trimethylbenzene	5	5
tert-Butylbenzene	5	5
1,2,4-Trimethylbenzene	5	5
sec-Butylbenzene	5	5
1,3-Dichlorobenzene	5	5
1,4-Dichlorobenzene	5	5
p-Isopropyltoluene	5	5
1,2-Dichlorobenzene	5	5
n-Butylbenzene	5	5
1,2-Dibromo-3-Chloropropane	10	10

Table D-3 identifies the semivolatile target analytes and associated EQLs. The US EPA methods that are options for use are method SW-8270 (11/90 or more recent) or the CLP method for semivolatiles (OLM02.0 or more recent). These methods are based on solvent extraction, concentration, and gas chromatography and mass spectroscopy (GC/MS) detection and quantitation.

TABLE D-3
SEMIVOLATILE TARGET ANALYTES AND ASSOCIATED EQLS

Target Analyte	Water, µg/L	Soil/Solids, mg/kg[1]
Acenaphthene	10	330
Acenaphthylene	10	330
Aniline	20	660
Anthracene	10	330
Azobenzene	20	660
Benzo(a)anthracene	10	330
Benzoic acid	50	3300
Benzo(b)fluoranthene	10	330
Benzo(K)fluoranthene	10	330
Benzo(g,h,i)perylene	10	330
Benzo(a)pyrene	10	330
Benzyl alcohol	20	1300

TABLE D-3
SEMIVOLATILE TARGET ANALYTES AND ASSOCIATED EQLS
(Continued)

Target Analyte	Water, µg/L	Soil/Solids, mg/kg[1]
Bis(2-chloroethoxy)methane	10	330
Bis(2-chloroethyl)ether	10	330
4-Bromophenyl phenylether	10	330
Butylbenzylphthalate	10	330
4-Chloroaniline	20	1300
4-Chloro-3-methylphenol	20	660
2-Chloronaphthalene	10	330
2-Chlorophenol	10	330
4-Chlorophenyl phenylether	10	330
Chrysene	10	330
Dibenz(a,h)anthracene	10	330
Dibenzofuran	10	330
1,2-Dichlorobenzene	10	330
1,3-Dichlorobenzene	10	330
1,4-Dichlorobenzene	10	330
3,3'-Dichlorobenzidine	20	660
2,4-Dichlorophenol	10	330
Diethylphthalate	10	330
Dimethyl phthalate	10	330
2,4-Dimethylphenol	10	330
2,4-Dinitrophenol	50	1600
Di-n-butylphthalate	10	330
4,6-Dinitro-2-methylphenol	50	1600
2,4-Dinitrotoluene	10	330
2,6-Dinitrotoluene	10	330
Di-n-octyl phthalate	10	330
Bis(2-ethylhexyl)phthalate	10	330
Fluoranthene	10	330
Fluorene	10	330
Hexachlorobenzene	10	330
Hexachlorobutadiene	10	330
Hexachlorocyclopentadiene	10	330
Hexachloroethane	10	330
Indeno(1,2,3-cd)pyrene	10	330
Isophorone	10	330
2-Methylnaphthalene	10	330
2-Methylphenol	10	330
4-Methylphenol	10	330
Naphthalene	10	330
2-Nitroaniline	50	1600
3-Nitroaniline	50	1600
4-Nitroaniline	20	660
Nitrobenzene	10	330
2-Nitrophenol	10	330
4-Nitrophenol	50	1600

TABLE D-3
SEMIVOLATILE TARGET ANALYTES AND ASSOCIATED EQLS
(Concluded)

Target Analyte	Water, µg/L	Soil/Solids, mg/kg[1]
N-Nitrosodimethylamine	10	330
N-Nitrosodiphenylamine	10	330
N-Nitroso-di-n-propylamine	10	330
2,2'-oxybis(1-Chloropropane)	10	330
Pentachlorophenol	50	1600
Phenanthrene	10	330
Phenol	10	330
Pyrene	10	330
1,2,4-Trichlorobenzene	10	330
2,4,5-Trichlorophenol	50	1600
2,4,6-Trichlorophenol	10	330

[1] EQLs for soil are based on no gel permeation chromatography (GPC) cleanup being performed. The laboratories' GPC equipment will determine what the EQL is, based on the volume of extract the GPC equipment uses. However, if possible, the laboratories should concentrate the GPC extract to a volume that makes the EQL for a sample that underwent GPC cleanup no more than twice the listed EQL.

D-1.1.3 High Explosives

Table D-4 presents the high explosives (HE) target analytes for method SW8330 and associated EQLs.

TABLE D-4
NITROAROMATIC AND NITRAMINE HE TARGET ANALYTES AND EQLs

Target Analyte	Abbreviation	*EQL[1]*		
		Waters, µg/L		*Soils, mg/Kg*
		Low Level	High Level	
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine	*HMX*	ND	13.0	2.2
Hexahydro-1,3,5-trinitro-1,3,5-triazine	RDX	0.84	14.0	1.0
1,3,5-Trinitrobenzene	1,3,5-TNB	0.26	7.3	0.25
1,3-Dinitrobenzene	1,3-DNB	0.11	4.0	0.25
Methyl-2,4,6-trinitrophenylnitramine	Tetryl	ND	20.0	0.65
Nitrobenzene	NB	ND	6.4	0.26
2,4,6-Trinitrotoluene	2,4,6-TNT	0.11	6.9	0.25
4-Amino-2,6-dinitrotoluene	4-ADNT	0.06	ND	ND
2-Amino -4,6-dinitrotoluene	2-ADNT	0.035	ND	0.26
2,4-Dinitrotoluene	2,4-DNT	0.02	5.7	0.25
2,6-Dinitrotoluene	2,6-DNT	0.31	9.4	0.26
2-Nitrotoluene	2-NT	ND	12.0	0.25
3-Nitrotoluene	3-NT	ND	7.9	0.25
4-Nitrotoluene	4-NT	ND	8.5	0.25

[1] If "ND" appears in a cell, the EQL has not been determined. In those cases, assume an EQL of 1.0 µg/L for the low-level waters and an EQL of 10 µg/L for the high waters where values are missing.

TABLE D-5
TARGET ANALYTE EQL BY MATRIX

Analyte	Soil	Water	Technique[1]
Uranium-234, -235, -238	0.1 pCi/g	0.1pCi/L	Alpha spectroscopy
Total uranium	0.5 µg/g	1 µg/L	KPA[2] (commonly-requested non-routine analysis)
Protactinium-231,-234, -234m and Thorium-230, -231, -234	0.1 pCi/g	0. 1pCi/L	Gamma spectroscopy

[1] The Los Alamos National Laboratory methods for these analytes are contained in LA-10300-M, "Health and Environmental Chemistry: Analytical Techniques, Data Management, and Quality Assurance."
[2] Kinetic phosphorescence analysis, also referred to as pulsed-laser phosphorimetry (ASTM method D5174-91) or kinetic laser phosphorescence.

D-2.0 RFI analytical results

This section presents all analytical results associated with this investigation. Analytical results are provided in hard copy here and electronically in Excel 4.0 spreadsheet format on 4 disks. These disks are included with those copies of the report that state "Data disks included with this copy" on the front cover. Electronic copies of analytical results are also available from the ER Project's Facility for Information Management, Analysis, and Display (FIMAD).

In the following tables "Not Applicable" notations in the RFI Data tables means that the depths of the tank samples are not relevant. In the VCA data tables, "Not Available" refers to the soil horizon, which was not determined. In the QC tables, not applicable denotes QC samples, which do not have associated PRS numbers, location IDs or collection dates.

D-2.0 VCA ANALYTICAL RESULTS

PRS 15-009(j) RFI ANALYTICAL DATA

PRS NUMBER	LOCATION ID	SAMPLE ID	BEGIN DEPTH	END DEPTH	DEPTH UNITS	SAMPLE MEDIUM	ANALYTE NAME	STD SAMPLE RESULTS	STD REPORTING UNITS	RFI DATA VALIDATION QUALIFIER
15-009(j)	15-2345	0215-95-0013	Not Applicable	Not Applicable	Not Applicable	Not Available	Aluminum	29400	UG/L	None
15-009(j)	15-2345	0215-95-0013	Not Applicable	Not Applicable	Not Applicable	Not Available	Antimony	40	UG/L	UJ
15-009(j)	15-2345	0215-95-0013	Not Applicable	Not Applicable	Not Applicable	Not Available	Arsenic	42	UG/L	J-
15-009(j)	15-2345	0215-95-0013	Not Applicable	Not Applicable	Not Applicable	Not Available	Barium	930	UG/L	None
15-009(j)	15-2345	0215-95-0013	Not Applicable	Not Applicable	Not Applicable	Not Available	Beryllium	5	UG/L	U
15-009(j)	15-2345	0215-95-0013	Not Applicable	Not Applicable	Not Applicable	Not Available	Cadmium	51	UG/L	None
15-009(j)	15-2345	0215-95-0013	Not Applicable	Not Applicable	Not Applicable	Not Available	Calcium	272000	UG/L	None
15-009(j)	15-2345	0215-95-0013	Not Applicable	Not Applicable	Not Applicable	Not Available	Chromium, Total	380	UG/L	None
15-009(j)	15-2345	0215-95-0013	Not Applicable	Not Applicable	Not Applicable	Not Available	Cobalt	62	UG/L	None
15-009(j)	15-2345	0215-95-0013	Not Applicable	Not Applicable	Not Applicable	Not Available	Copper	2100	UG/L	None
15-009(j)	15-2345	0215-95-0013	Not Applicable	Not Applicable	Not Applicable	Not Available	Iron	80700	UG/L	None
15-009(j)	15-2345	0215-95-0013	Not Applicable	Not Applicable	Not Applicable	Not Available	Lead	1100	UG/L	None
15-009(j)	15-2345	0215-95-0013	Not Applicable	Not Applicable	Not Applicable	Not Available	Magnesium	82100	UG/L	None
15-009(j)	15-2345	0215-95-0013	Not Applicable	Not Applicable	Not Applicable	Not Available	Manganese	1300	UG/L	None
15-009(j)	15-2345	0215-95-0013	Not Applicable	Not Applicable	Not Applicable	Not Available	Mercury	5	UG/L	None
15-009(j)	15-2345	0215-95-0013	Not Applicable	Not Applicable	Not Applicable	Not Available	Nickel	260	UG/L	None
15-009(j)	15-2345	0215-95-0013	Not Applicable	Not Applicable	Not Applicable	Not Available	Potassium	169000	UG/L	None
15-009(j)	15-2345	0215-95-0013	Not Applicable	Not Applicable	Not Applicable	Not Available	Selenium	28	UG/L	None
15-009(j)	15-2345	0215-95-0013	Not Applicable	Not Applicable	Not Applicable	Not Available	Silver	46	UG/L	J+
15-009(j)	15-2345	0215-95-0013	Not Applicable	Not Applicable	Not Applicable	Not Available	Sodium	180000	UG/L	None
15-009(j)	15-2345	0215-95-0013	Not Applicable	Not Applicable	Not Applicable	Not Available	Thallium	20	UG/L	U
15-009(j)	15-2345	0215-95-0013	Not Applicable	Not Applicable	Not Applicable	Not Available	Uranium	2.5	UG/L	None
15-009(j)	15-2345	0215-95-0013	Not Applicable	Not Applicable	Not Applicable	Not Available	Vanadium	180	UG/L	None
15-009(j)	15-2345	0215-95-0013	Not Applicable	Not Applicable	Not Applicable	Not Available	Zinc	16900	UG/L	None
15-009(j)	15-2345	0215-95-0014	Not Applicable	Not Applicable	Not Applicable	Not Available	Aluminum	75300	UG/L	None
15-009(j)	15-2345	0215-95-0014	Not Applicable	Not Applicable	Not Applicable	Not Available	Antimony	55	UG/L	UJ
15-009(j)	15-2345	0215-95-0014	Not Applicable	Not Applicable	Not Applicable	Not Available	Arsenic	139	UG/L	J-
15-009(j)	15-2345	0215-95-0014	Not Applicable	Not Applicable	Not Applicable	Not Available	Barium	2300	UG/L	None
15-009(j)	15-2345	0215-95-0014	Not Applicable	Not Applicable	Not Applicable	Not Available	Beryllium	5	UG/L	U
15-009(j)	15-2345	0215-95-0014	Not Applicable	Not Applicable	Not Applicable	Not Available	Cadmium	120	UG/L	None
15-009(j)	15-2345	0215-95-0014	Not Applicable	Not Applicable	Not Applicable	Not Available	Calcium	564000	UG/L	None
15-009(j)	15-2345	0215-95-0014	Not Applicable	Not Applicable	Not Applicable	Not Available	Chromium, Total	880	UG/L	None
15-009(j)	15-2345	0215-95-0014	Not Applicable	Not Applicable	Not Applicable	Not Available	Cobalt	150	UG/L	None

PRS 15-009(j) RFI ANALYTICAL DATA

PRS NUMBER	LOCATION ID	SAMPLE ID	BEGIN DEPTH	END DEPTH	DEPTH UNITS	SAMPLE MEDIUM	ANALYTE NAME	STD SAMPLE RESULTS	STD REPORTING UNITS	RFI DATA VALIDATION QUALIFIER
15-009(j)	15-2345	0215-95-0014	Not Applicable	Not Applicable	Not Applicable	Not Available	Copper	6300	UG/L	None
15-009(j)	15-2345	0215-95-0014	Not Applicable	Not Applicable	Not Applicable	Not Available	Iron	204000	UG/L	None
15-009(j)	15-2345	0215-95-0014	Not Applicable	Not Applicable	Not Applicable	Not Available	Lead	3030	UG/L	None
15-009(j)	15-2345	0215-95-0014	Not Applicable	Not Applicable	Not Applicable	Not Available	Magnesium	113000	UG/L	None
15-009(j)	15-2345	0215-95-0014	Not Applicable	Not Applicable	Not Applicable	Not Available	Manganese	3600	UG/L	None
15-009(j)	15-2345	0215-95-0014	Not Applicable	Not Applicable	Not Applicable	Not Available	Mercury	61	UG/L	None
15-009(j)	15-2345	0215-95-0014	Not Applicable	Not Applicable	Not Applicable	Not Available	Nickel	650	UG/L	None
15-009(j)	15-2345	0215-95-0014	Not Applicable	Not Applicable	Not Applicable	Not Available	Potassium	178000	UG/L	None
15-009(j)	15-2345	0215-95-0014	Not Applicable	Not Applicable	Not Applicable	Not Available	Selenium	67	UG/L	None
15-009(j)	15-2345	0215-95-0014	Not Applicable	Not Applicable	Not Applicable	Not Available	Silver	100	UG/L	J+
15-009(j)	15-2345	0215-95-0014	Not Applicable	Not Applicable	Not Applicable	Not Available	Sodium	180000	UG/L	None
15-009(j)	15-2345	0215-95-0014	Not Applicable	Not Applicable	Not Applicable	Not Available	Thallium	40	UG/L	U
15-009(j)	15-2345	0215-95-0014	Not Applicable	Not Applicable	Not Applicable	Not Available	Uranium	5.1	UG/L	U
15-009(j)	15-2345	0215-95-0014	Not Applicable	Not Applicable	Not Applicable	Not Available	Vanadium	470	UG/L	None
15-009(j)	15-2345	0215-95-0014	Not Applicable	Not Applicable	Not Applicable	Not Available	Zinc	42000	UG/L	None
15-009(j)	15-2345	0215-95-0015	Not Applicable	Not Applicable	Not Applicable	Not Available	Aluminum	71300	UG/L	None
15-009(j)	15-2345	0215-95-0015	Not Applicable	Not Applicable	Not Applicable	Not Available	Antimony	65	UG/L	J-
15-009(j)	15-2345	0215-95-0015	Not Applicable	Not Applicable	Not Applicable	Not Available	Arsenic	110	UG/L	None
15-009(j)	15-2345	0215-95-0015	Not Applicable	Not Applicable	Not Applicable	Not Available	Barium	2100	UG/L	None
15-009(j)	15-2345	0215-95-0015	Not Applicable	Not Applicable	Not Applicable	Not Available	Beryllium	5	UG/L	U
15-009(j)	15-2345	0215-95-0015	Not Applicable	Not Applicable	Not Applicable	Not Available	Cadmium	110	UG/L	None
15-009(j)	15-2345	0215-95-0015	Not Applicable	Not Applicable	Not Applicable	Not Available	Calcium	536000	UG/L	None
15-009(j)	15-2345	0215-95-0015	Not Applicable	Not Applicable	Not Applicable	Not Available	Chromium, Total	910	UG/L	None
15-009(j)	15-2345	0215-95-0015	Not Applicable	Not Applicable	Not Applicable	Not Available	Cobalt	140	UG/L	None
15-009(j)	15-2345	0215-95-0015	Not Applicable	Not Applicable	Not Applicable	Not Available	Copper	6000	UG/L	None
15-009(j)	15-2345	0215-95-0015	Not Applicable	Not Applicable	Not Applicable	Not Available	Iron	195000	UG/L	None
15-009(j)	15-2345	0215-95-0015	Not Applicable	Not Applicable	Not Applicable	Not Available	Lead	2600	UG/L	None
15-009(j)	15-2345	0215-95-0015	Not Applicable	Not Applicable	Not Applicable	Not Available	Magnesium	110000	UG/L	None
15-009(j)	15-2345	0215-95-0015	Not Applicable	Not Applicable	Not Applicable	Not Available	Manganese	3300	UG/L	None
15-009(j)	15-2345	0215-95-0015	Not Applicable	Not Applicable	Not Applicable	Not Available	Mercury	34	UG/L	None
15-009(j)	15-2345	0215-95-0015	Not Applicable	Not Applicable	Not Applicable	Not Available	Nickel	610	UG/L	None
15-009(j)	15-2345	0215-95-0015	Not Applicable	Not Applicable	Not Applicable	Not Available	Potassium	179000	UG/L	None
15-009(j)	15-2345	0215-95-0015	Not Applicable	Not Applicable	Not Applicable	Not Available	Selenium	56.3	UG/L	None

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PRS NUMBER	LOCATION ID	SAMPLE ID	BEGIN DEPTH	END DEPTH	DEPTH UNITS	SAMPLE MEDIUM	ANALYTE NAME	STD SAMPLE RESULTS	STD REPORTING UNITS	RFI DATA VALIDATION QUALIFIER
15-009(j)	15-2345	0215-95-0015	Not Applicable	Not Applicable	Not Applicable	Not Available	Silver	110	UG/L	J+
15-009(j)	15-2345	0215-95-0015	Not Applicable	Not Applicable	Not Applicable	Not Available	Sodium	183000	UG/L	None
15-009(j)	15-2345	0215-95-0015	Not Applicable	Not Applicable	Not Applicable	Not Available	Thallium	80	UG/L	U
15-009(j)	15-2345	0215-95-0015	Not Applicable	Not Applicable	Not Applicable	Not Available	Uranium	11	UG/L	U
15-009(j)	15-2345	0215-95-0015	Not Applicable	Not Applicable	Not Applicable	Not Available	Vanadium	430	UG/L	None
15-009(j)	15-2345	0215-95-0015	Not Applicable	Not Applicable	Not Applicable	Not Available	Zinc	38900	UG/L	None
15-009(j)	15-2345	0215-95-0154	Not Applicable	Not Applicable	Not Applicable	Not Available	Aluminum	29000	UG/L	None
15-009(j)	15-2345	0215-95-0154	Not Applicable	Not Applicable	Not Applicable	Not Available	Amino-2,6-dinitrotoluene[4-]	1.95	UG/L	UJ
15-009(j)	15-2345	0215-95-0154	Not Applicable	Not Applicable	Not Applicable	Not Available	Amino-4,6-dinitrotoluene[2-]	1.95	UG/L	UJ
15-009(j)	15-2345	0215-95-0154	Not Applicable	Not Applicable	Not Applicable	Not Available	Antimony	16.7	UG/L	None
15-009(j)	15-2345	0215-95-0154	Not Applicable	Not Applicable	Not Applicable	Not Available	Arsenic	54.5	UG/L	None
15-009(j)	15-2345	0215-95-0154	Not Applicable	Not Applicable	Not Applicable	Not Available	Barium	817	UG/L	None
15-009(j)	15-2345	0215-95-0154	Not Applicable	Not Applicable	Not Applicable	Not Available	Beryllium	1.06	UG/L	J
15-009(j)	15-2345	0215-95-0154	Not Applicable	Not Applicable	Not Applicable	Not Available	Cadmium	44.3	UG/L	None
15-009(j)	15-2345	0215-95-0154	Not Applicable	Not Applicable	Not Applicable	Not Available	Calcium	262000	UG/L	None
15-009(j)	15-2345	0215-95-0154	Not Applicable	Not Applicable	Not Applicable	Not Available	Chromium, Total	351	UG/L	None
15-009(j)	15-2345	0215-95-0154	Not Applicable	Not Applicable	Not Applicable	Not Available	Cobalt	58.4	UG/L	None
15-009(j)	15-2345	0215-95-0154	Not Applicable	Not Applicable	Not Applicable	Not Available	Copper	2110	UG/L	None
15-009(j)	15-2345	0215-95-0154	Not Applicable	Not Applicable	Not Applicable	Not Available	Dinitrobenzene[1,3-]	1.95	UG/L	UJ
15-009(j)	15-2345	0215-95-0154	Not Applicable	Not Applicable	Not Applicable	Not Available	Dinitrotoluene[2,4-]	1.95	UG/L	U
15-009(j)	15-2345	0215-95-0154	Not Applicable	Not Applicable	Not Applicable	Not Available	Dinitrotoluene[2,6-]	1.95	UG/L	U
15-009(j)	15-2345	0215-95-0154	Not Applicable	Not Applicable	Not Applicable	Not Available	HMX	5.84	UG/L	U
15-009(j)	15-2345	0215-95-0154	Not Applicable	Not Applicable	Not Applicable	Not Available	Iron	98600	UG/L	None
15-009(j)	15-2345	0215-95-0154	Not Applicable	Not Applicable	Not Applicable	Not Available	Lead	850	UG/L	None
15-009(j)	15-2345	0215-95-0154	Not Applicable	Not Applicable	Not Applicable	Not Available	Magnesium	74800	UG/L	None
15-009(j)	15-2345	0215-95-0154	Not Applicable	Not Applicable	Not Applicable	Not Available	Manganese	1560	UG/L	None
15-009(j)	15-2345	0215-95-0154	Not Applicable	Not Applicable	Not Applicable	Not Available	Mercury	8.42	UG/L	None
15-009(j)	15-2345	0215-95-0154	Not Applicable	Not Applicable	Not Applicable	Not Available	Nickel	258	UG/L	None
15-009(j)	15-2345	0215-95-0154	Not Applicable	Not Applicable	Not Applicable	Not Available	Nitrobenzene	1.95	UG/L	UJ
15-009(j)	15-2345	0215-95-0154	Not Applicable	Not Applicable	Not Applicable	Not Available	Nitrotoluene[2-]	1.95	UG/L	UJ
15-009(j)	15-2345	0215-95-0154	Not Applicable	Not Applicable	Not Applicable	Not Available	Nitrotoluene[3-]	1.95	UG/L	UJ
15-009(j)	15-2345	0215-95-0154	Not Applicable	Not Applicable	Not Applicable	Not Available	Nitrotoluene[4-]	1.95	UG/L	UJ
15-009(j)	15-2345	0215-95-0154	Not Applicable	Not Applicable	Not Applicable	Not Available	Potassium	92300	UG/L	None

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PRS NUMBER	LOCATION ID	SAMPLE ID	BEGIN DEPTH	END DEPTH	DEPTH UNITS	SAMPLE MEDIUM	ANALYTE NAME	STD SAMPLE RESULTS	STD REPORTING UNITS	RFI DATA VALIDATION QUALIFIER
15-009(j)	15-2345	0215-95-0154	Not Applicable	Not Applicable	Not Applicable	Not Available	Protactinium-231	-352	PCI/L	U
15-009(j)	15-2345	0215-95-0154	Not Applicable	Not Applicable	Not Applicable	Not Available	Protactinium-234	16.6	PCI/L	U
15-009(j)	15-2345	0215-95-0154	Not Applicable	Not Applicable	Not Applicable	Not Available	Protactinium-234M	2960	PCI/L	U
15-009(j)	15-2345	0215-95-0154	Not Applicable	Not Applicable	Not Applicable	Not Available	RDX	5.84	UG/L	U
15-009(j)	15-2345	0215-95-0154	Not Applicable	Not Applicable	Not Applicable	Not Available	Selenium	28.2	UG/L	None
15-009(j)	15-2345	0215-95-0154	Not Applicable	Not Applicable	Not Applicable	Not Available	Silver	35.7	UG/L	None
15-009(j)	15-2345	0215-95-0154	Not Applicable	Not Applicable	Not Applicable	Not Available	Sodium	152000	UG/L	None
15-009(j)	15-2345	0215-95-0154	Not Applicable	Not Applicable	Not Applicable	Not Available	Tetryl	5.84	UG/L	U
15-009(j)	15-2345	0215-95-0154	Not Applicable	Not Applicable	Not Applicable	Not Available	Thallium	10	UG/L	U
15-009(j)	15-2345	0215-95-0154	Not Applicable	Not Applicable	Not Applicable	Not Available	Thorium-230	21.5	PCI/L	U
15-009(j)	15-2345	0215-95-0154	Not Applicable	Not Applicable	Not Applicable	Not Available	Thorium-231	47.2	PCI/L	U
15-009(j)	15-2345	0215-95-0154	Not Applicable	Not Applicable	Not Applicable	Not Available	Thorium-234	0	PCI/L	U
15-009(j)	15-2345	0215-95-0154	Not Applicable	Not Applicable	Not Applicable	Not Available	Trinitrobenzene[1,3,5-]	1.95	UG/L	U
15-009(j)	15-2345	0215-95-0154	Not Applicable	Not Applicable	Not Applicable	Not Available	Trinitrotoluene[2,4,6-]	1.95	UG/L	U
15-009(j)	15-2345	0215-95-0154	Not Applicable	Not Applicable	Not Applicable	Not Available	Uranium	2.62	UG/L	None
15-009(j)	15-2345	0215-95-0154	Not Applicable	Not Applicable	Not Applicable	Not Available	Uranium-234	32.3	PCI/L	U
15-009(j)	15-2345	0215-95-0154	Not Applicable	Not Applicable	Not Applicable	Not Available	Uranium-235	96.3	PCI/L	U
15-009(j)	15-2345	0215-95-0154	Not Applicable	Not Applicable	Not Applicable	Not Available	Uranium-238	406	PCI/L	U
15-009(j)	15-2345	0215-95-0154	Not Applicable	Not Applicable	Not Applicable	Not Available	Vanadium	190	UG/L	None
15-009(j)	15-2345	0215-95-0154	Not Applicable	Not Applicable	Not Applicable	Not Available	Zinc	18000	UG/L	None

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PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	SAMPLE MATRIX	SAMPLE MEDIUM	REQUEST NUMBER	ANALYTE NAME	STD SAMPLE RESULTS	STD REPORTING UNITS	SAMPLE TYPE CODE	ANALYTE TYPE CODE	RFI DATA VALIDATION QUALIFIER
15-009(j)	15-2345	0215-95-0013	29-Sep-95	ML	Not Available	6528535	Aluminum	29400	UG/L	Not Available	Not Available	None
15-009(j)	15-2345	0215-95-0013	29-Sep-95	Not Available	Not Available	6528535	Aluminum	29500	UG/L	1	Not Available	None
15-009(j)	15-2345	0215-95-0013	29-Sep-95	ML	Not Available	6528535	Antimony	40	UG/L	Not Available	Not Available	U
15-009(j)	15-2345	0215-95-0013	29-Sep-95	Not Available	Not Available	6528535	Antimony	40	UG/L	1	Not Available	U
15-009(j)	15-2345	0215-95-0013	29-Sep-95	ML	Not Available	6528622	Arsenic	42	UG/L	Not Available	Not Available	None
15-009(j)	15-2345	0215-95-0013	29-Sep-95	ML	Not Available	6528535	Barium	930	UG/L	Not Available	Not Available	None
15-009(j)	15-2345	0215-95-0013	29-Sep-95	Not Available	Not Available	6528535	Barium	930	UG/L	1	Not Available	None
15-009(j)	15-2345	0215-95-0013	29-Sep-95	ML	Not Available	6528535	Beryllium	5	UG/L	Not Available	Not Available	U
15-009(j)	15-2345	0215-95-0013	29-Sep-95	Not Available	Not Available	6528535	Beryllium	5	UG/L	1	Not Available	U
15-009(j)	15-2345	0215-95-0013	29-Sep-95	ML	Not Available	6528535	Cadmium	51	UG/L	Not Available	Not Available	None
15-009(j)	15-2345	0215-95-0013	29-Sep-95	Not Available	Not Available	6528535	Cadmium	45	UG/L	1	Not Available	None
15-009(j)	15-2345	0215-95-0013	29-Sep-95	ML	Not Available	6528535	Calcium	272000	UG/L	Not Available	Not Available	None
15-009(j)	15-2345	0215-95-0013	29-Sep-95	Not Available	Not Available	6528535	Calcium	276000	UG/L	1	Not Available	None
15-009(j)	15-2345	0215-95-0013	29-Sep-95	ML	Not Available	6528535	Chromium, Total	380	UG/L	Not Available	Not Available	None
15-009(j)	15-2345	0215-95-0013	29-Sep-95	Not Available	Not Available	6528535	Chromium, Total	370	UG/L	1	Not Available	None
15-009(j)	15-2345	0215-95-0013	29-Sep-95	ML	Not Available	6528535	Cobalt	62	UG/L	Not Available	Not Available	None
15-009(j)	15-2345	0215-95-0013	29-Sep-95	Not Available	Not Available	6528535	Cobalt	66	UG/L	1	Not Available	None
15-009(j)	15-2345	0215-95-0013	29-Sep-95	ML	Not Available	6528535	Copper	2100	UG/L	Not Available	Not Available	None
15-009(j)	15-2345	0215-95-0013	29-Sep-95	Not Available	Not Available	6528535	Copper	2300	UG/L	1	Not Available	None
15-009(j)	15-2345	0215-95-0013	29-Sep-95	ML	Not Available	6528535	Iron	80700	UG/L	Not Available	Not Available	None
15-009(j)	15-2345	0215-95-0013	29-Sep-95	Not Available	Not Available	6528535	Iron	80300	UG/L	1	Not Available	None
15-009(j)	15-2345	0215-95-0013	29-Sep-95	ML	Not Available	6528623	Lead	1100	UG/L	Not Available	Not Available	None
15-009(j)	15-2345	0215-95-0013	29-Sep-95	Not Available	Not Available	6528623	Lead	1100	UG/L	1	Not Available	None
15-009(j)	15-2345	0215-95-0013	29-Sep-95	ML	Not Available	6528535	Magnesium	82100	UG/L	Not Available	Not Available	None
15-009(j)	15-2345	0215-95-0013	29-Sep-95	Not Available	Not Available	6528535	Magnesium	82300	UG/L	1	Not Available	None
15-009(j)	15-2345	0215-95-0013	29-Sep-95	ML	Not Available	6528535	Manganese	1300	UG/L	Not Available	Not Available	J
15-009(j)	15-2345	0215-95-0013	29-Sep-95	Not Available	Not Available	6528535	Manganese	1300	UG/L	1	Not Available	J
15-009(j)	15-2345	0215-95-0013	29-Sep-95	ML	Not Available	6528535	Nickel	260	UG/L	Not Available	Not Available	None
15-009(j)	15-2345	0215-95-0013	29-Sep-95	Not Available	Not Available	6528535	Nickel	300	UG/L	1	Not Available	None
15-009(j)	15-2345	0215-95-0013	29-Sep-95	ML	Not Available	6528535	Potassium	169000	UG/L	Not Available	Not Available	None
15-009(j)	15-2345	0215-95-0013	29-Sep-95	Not Available	Not Available	6528535	Potassium	168000	UG/L	1	Not Available	None
15-009(j)	15-2345	0215-95-0013	29-Sep-95	ML	Not Available	6528624	Selenium	28	UG/L	Not Available	Not Available	None
15-009(j)	15-2345	0215-95-0013	29-Sep-95	ML	Not Available	6528535	Silver	46	UG/L	Not Available	Not Available	None
15-009(j)	15-2345	0215-95-0013	29-Sep-95	Not Available	Not Available	6528535	Silver	42	UG/L	1	Not Available	None
15-009(j)	15-2345	0215-95-0013	29-Sep-95	ML	Not Available	6528535	Sodium	180000	UG/L	Not Available	Not Available	None
15-009(j)	15-2345	0215-95-0013	29-Sep-95	Not Available	Not Available	6528535	Sodium	180000	UG/L	1	Not Available	None
15-009(j)	15-2345	0215-95-0013	29-Sep-95	ML	Not Available	6528625	Thallium	20	UG/L	Not Available	Not Available	U
15-009(j)	15-2345	0215-95-0013	29-Sep-95	Not Available	Not Available	6528625	Thallium	20	UG/L	1	Not Available	U
15-009(j)	15-2345	0215-95-0013	29-Sep-95	ML	Not Available	6528404	Uranium	2.5	UG/L	Not Available	Not Available	None
15-009(j)	15-2345	0215-95-0013	29-Sep-95	ML	Not Available	6528535	Vanadium	180	UG/L	Not Available	Not Available	None
15-009(j)	15-2345	0215-95-0013	29-Sep-95	Not Available	Not Available	6528535	Vanadium	180	UG/L	1	Not Available	None
15-009(j)	15-2345	0215-95-0013	29-Sep-95	ML	Not Available	6528535	Zinc	16900	UG/L	Not Available	Not Available	J
15-009(j)	15-2345	0215-95-0013	29-Sep-95	Not Available	Not Available	6528535	Zinc	17000	UG/L	1	Not Available	None

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PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	SAMPLE MATRIX	SAMPLE MEDIUM	REQUEST NUMBER	ANALYTE NAME	STD SAMPLE RESULTS	STD REPORTING UNITS	SAMPLE TYPE CODE	ANALYTE TYPE CODE	RFI DATA VALIDATION QUALIFIER
15-009(j)	15-2345	0215-95-0014	29-Sep-95	LIQUID	Not Available	6528535	Aluminum	0	%	2A	Not Available	None
15-009(j)	15-2345	0215-95-0014	29-Sep-95	ML	Not Available	6528535	Aluminum	75300	UG/L	Not Available	Not Available	None
15-009(j)	15-2345	0215-95-0014	29-Sep-95	LIQUID	Not Available	6528535	Antimony	61	%	2A	Not Available	None
15-009(j)	15-2345	0215-95-0014	29-Sep-95	ML	Not Available	6528535	Antimony	55	UG/L	Not Available	Not Available	None
15-009(j)	15-2345	0215-95-0014	29-Sep-95	LIQUID	Not Available	6528622	Arsenic	47	%	2A	Not Available	None
15-009(j)	15-2345	0215-95-0014	29-Sep-95	ML	Not Available	6528622	Arsenic	139	UG/L	Not Available	Not Available	None
15-009(j)	15-2345	0215-95-0014	29-Sep-95	LIQUID	Not Available	6528535	Barium	98	%	2A	Not Available	None
15-009(j)	15-2345	0215-95-0014	29-Sep-95	ML	Not Available	6528535	Barium	2300	UG/L	Not Available	Not Available	None
15-009(j)	15-2345	0215-95-0014	29-Sep-95	LIQUID	Not Available	6528535	Beryllium	104	%	2A	Not Available	None
15-009(j)	15-2345	0215-95-0014	29-Sep-95	ML	Not Available	6528535	Beryllium	5	UG/L	Not Available	Not Available	U
15-009(j)	15-2345	0215-95-0014	29-Sep-95	LIQUID	Not Available	6528535	Cadmium	80	%	2A	Not Available	None
15-009(j)	15-2345	0215-95-0014	29-Sep-95	ML	Not Available	6528535	Cadmium	120	UG/L	Not Available	Not Available	None
15-009(j)	15-2345	0215-95-0014	29-Sep-95	LIQUID	Not Available	6528535	Calcium	0	%	2A	Not Available	None
15-009(j)	15-2345	0215-95-0014	29-Sep-95	ML	Not Available	6528535	Calcium	564000	UG/L	Not Available	Not Available	None
15-009(j)	15-2345	0215-95-0014	29-Sep-95	LIQUID	Not Available	6528535	Chromium, Total	120	%	2A	Not Available	None
15-009(j)	15-2345	0215-95-0014	29-Sep-95	ML	Not Available	6528535	Chromium, Total	880	UG/L	Not Available	Not Available	None
15-009(j)	15-2345	0215-95-0014	29-Sep-95	LIQUID	Not Available	6528535	Cobalt	86	%	2A	Not Available	None
15-009(j)	15-2345	0215-95-0014	29-Sep-95	ML	Not Available	6528535	Cobalt	150	UG/L	Not Available	Not Available	None
15-009(j)	15-2345	0215-95-0014	29-Sep-95	LIQUID	Not Available	6528535	Copper	0	%	2A	Not Available	None
15-009(j)	15-2345	0215-95-0014	29-Sep-95	ML	Not Available	6528535	Copper	6300	UG/L	Not Available	Not Available	None
15-009(j)	15-2345	0215-95-0014	29-Sep-95	LIQUID	Not Available	6528535	Iron	0	%	2A	Not Available	None
15-009(j)	15-2345	0215-95-0014	29-Sep-95	ML	Not Available	6528535	Iron	204000	UG/L	Not Available	Not Available	None
15-009(j)	15-2345	0215-95-0014	29-Sep-95	LIQUID	Not Available	6528623	Lead	0	%	2A	Not Available	None
15-009(j)	15-2345	0215-95-0014	29-Sep-95	ML	Not Available	6528623	Lead	3030	UG/L	Not Available	Not Available	None
15-009(j)	15-2345	0215-95-0014	29-Sep-95	LIQUID	Not Available	6528535	Magnesium	100	%	2A	Not Available	None
15-009(j)	15-2345	0215-95-0014	29-Sep-95	ML	Not Available	6528535	Magnesium	113000	UG/L	Not Available	Not Available	None
15-009(j)	15-2345	0215-95-0014	29-Sep-95	LIQUID	Not Available	6528535	Manganese	108	%	2A	Not Available	None
15-009(j)	15-2345	0215-95-0014	29-Sep-95	ML	Not Available	6528535	Manganese	3600	UG/L	Not Available	Not Available	None
15-009(j)	15-2345	0215-95-0014	29-Sep-95	LIQUID	Not Available	6528535	Nickel	90	%	2A	Not Available	None
15-009(j)	15-2345	0215-95-0014	29-Sep-95	ML	Not Available	6528535	Nickel	650	UG/L	Not Available	Not Available	None
15-009(j)	15-2345	0215-95-0014	29-Sep-95	LIQUID	Not Available	6528535	Potassium	120	%	2A	Not Available	None
15-009(j)	15-2345	0215-95-0014	29-Sep-95	ML	Not Available	6528535	Potassium	178000	UG/L	Not Available	Not Available	None
15-009(j)	15-2345	0215-95-0014	29-Sep-95	LIQUID	Not Available	6528624	Selenium	0	%	2A	Not Available	None
15-009(j)	15-2345	0215-95-0014	29-Sep-95	ML	Not Available	6528624	Selenium	67	UG/L	Not Available	Not Available	None
15-009(j)	15-2345	0215-95-0014	29-Sep-95	LIQUID	Not Available	6528535	Silver	132	%	2A	Not Available	None
15-009(j)	15-2345	0215-95-0014	29-Sep-95	ML	Not Available	6528535	Silver	100	UG/L	Not Available	Not Available	None
15-009(j)	15-2345	0215-95-0014	29-Sep-95	LIQUID	Not Available	6528535	Sodium	110	%	2A	Not Available	None
15-009(j)	15-2345	0215-95-0014	29-Sep-95	ML	Not Available	6528535	Sodium	180000	UG/L	Not Available	Not Available	None
15-009(j)	15-2345	0215-95-0014	29-Sep-95	ML	Not Available	6528625	Thallium	40	UG/L	Not Available	Not Available	U
15-009(j)	15-2345	0215-95-0014	29-Sep-95	ML	Not Available	6528588	Uranium	5.1	UG/L	Not Available	Not Available	U
15-009(j)	15-2345	0215-95-0014	29-Sep-95	LIQUID	Not Available	6528535	Vanadium	91	%	2A	Not Available	None
15-009(j)	15-2345	0215-95-0014	29-Sep-95	ML	Not Available	6528535	Vanadium	470	UG/L	Not Available	Not Available	None
15-009(j)	15-2345	0215-95-0014	29-Sep-95	ML	Not Available	6528535	Zinc	42000	UG/L	Not Available	Not Available	None

PRS 15-009(j) RFI QC ANALYTICAL DATA

PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	SAMPLE MATRIX	SAMPLE MEDIUM	REQUEST NUMBER	ANALYTE NAME	STD SAMPLE RESULTS	STD REPORTING UNITS	SAMPLE TYPE CODE	ANALYTE TYPE CODE	RFI DATA VALIDATION QUALIFIER
15-009(j)	15-2345	0215-95-0015	29-Sep-95	ML	Not Available	6528535	Aluminum	71300	UG/L	Not Available	Not Available	None
15-009(j)	15-2345	0215-95-0015	29-Sep-95	ML	Not Available	6528535	Antimony	65	UG/L	Not Available	Not Available	None
15-009(j)	15-2345	0215-95-0015	29-Sep-95	ML	Not Available	6528622	Arsenic	110	UG/L	Not Available	Not Available	None
15-009(j)	15-2345	0215-95-0015	29-Sep-95	ML	Not Available	6528535	Barium	2100	UG/L	Not Available	Not Available	None
15-009(j)	15-2345	0215-95-0015	29-Sep-95	ML	Not Available	6528535	Beryllium	5	UG/L	Not Available	Not Available	U
15-009(j)	15-2345	0215-95-0015	29-Sep-95	ML	Not Available	6528535	Cadmium	110	UG/L	Not Available	Not Available	None
15-009(j)	15-2345	0215-95-0015	29-Sep-95	ML	Not Available	6528535	Calcium	536000	UG/L	Not Available	Not Available	None
15-009(j)	15-2345	0215-95-0015	29-Sep-95	ML	Not Available	6528535	Chromium, Total	910	UG/L	Not Available	Not Available	None
15-009(j)	15-2345	0215-95-0015	29-Sep-95	ML	Not Available	6528535	Cobalt	140	UG/L	Not Available	Not Available	None
15-009(j)	15-2345	0215-95-0015	29-Sep-95	ML	Not Available	6528535	Copper	6000	UG/L	Not Available	Not Available	None
15-009(j)	15-2345	0215-95-0015	29-Sep-95	ML	Not Available	6528535	Iron	195000	UG/L	Not Available	Not Available	None
15-009(j)	15-2345	0215-95-0015	29-Sep-95	ML	Not Available	6528623	Lead	2600	UG/L	Not Available	Not Available	None
15-009(j)	15-2345	0215-95-0015	29-Sep-95	ML	Not Available	6528535	Magnesium	110000	UG/L	Not Available	Not Available	None
15-009(j)	15-2345	0215-95-0015	29-Sep-95	ML	Not Available	6528535	Manganese	3300	UG/L	Not Available	Not Available	None
15-009(j)	15-2345	0215-95-0015	29-Sep-95	ML	Not Available	6528535	Nickel	610	UG/L	Not Available	Not Available	None
15-009(j)	15-2345	0215-95-0015	29-Sep-95	ML	Not Available	6528535	Potassium	179000	UG/L	Not Available	Not Available	None
15-009(j)	15-2345	0215-95-0015	29-Sep-95	ML	Not Available	6528624	Selenium	56.3	UG/L	Not Available	Not Available	None
15-009(j)	15-2345	0215-95-0015	29-Sep-95	ML	Not Available	6528535	Silver	110	UG/L	Not Available	Not Available	None
15-009(j)	15-2345	0215-95-0015	29-Sep-95	ML	Not Available	6528535	Sodium	183000	UG/L	Not Available	Not Available	None
15-009(j)	15-2345	0215-95-0015	29-Sep-95	ML	Not Available	6528625	Thallium	80	UG/L	Not Available	Not Available	U
15-009(j)	15-2345	0215-95-0015	29-Sep-95	ML	Not Available	6528588	Uranium	11	UG/L	Not Available	Not Available	U
15-009(j)	15-2345	0215-95-0015	29-Sep-95	ML	Not Available	6528535	Vanadium	430	UG/L	Not Available	Not Available	None
15-009(j)	15-2345	0215-95-0015	29-Sep-95	ML	Not Available	6528535	Zinc	38900	UG/L	Not Available	Not Available	None
15-009(j)	15-2345	0215-95-0154	25-Jul-95	SW	Not Available	70208	Dinitrobenzene[1,2-]	0	UG/L	2C	Not Available	R
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	6528535	Aluminum	100	UG/L	3	Not Available	U
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	6528535	Aluminum	102	%	2D	Not Available	None
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	70208	Amino-2,6-dinitrotoluene[4-]	0.195	UG/L	3	Not Available	U
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	70208	Amino-2,6-dinitrotoluene[4-]	0.41	UG/L	2D	Not Available	None
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	70208	Amino-2,6-dinitrotoluene[4-]	0.415	UG/L	2E	Not Available	None
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	70208	Amino-4,6-dinitrotoluene[2-]	0.195	UG/L	3	Not Available	U
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	70208	Amino-4,6-dinitrotoluene[2-]	0.616	UG/L	2D	Not Available	None
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	70208	Amino-4,6-dinitrotoluene[2-]	0.687	UG/L	2E	Not Available	None
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	6528535	Antimony	40	UG/L	3	Not Available	U
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	6528535	Antimony	98	%	2D	Not Available	None
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	6528622	Arsenic	4	UG/L	3	Not Available	U
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	6528622	Arsenic	42	UG/L	1	Not Available	None
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	6528622	Arsenic	92	%	2D	Not Available	None
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	6528535	Barium	50	UG/L	3	Not Available	U
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	6528535	Barium	102	%	2D	Not Available	None
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	6528535	Beryllium	5	UG/L	3	Not Available	U
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	6528535	Beryllium	98	%	2D	Not Available	None
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	6528535	Cadmium	5	UG/L	3	Not Available	U
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	6528535	Cadmium	107	%	2D	Not Available	None

PRS 15-009(j) RFI QC ANALYTICAL DATA

PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	SAMPLE MATRIX	SAMPLE MEDIUM	REQUEST NUMBER	ANALYTE NAME	STD SAMPLE RESULTS	STD REPORTING UNITS	SAMPLE TYPE CODE	ANALYTE TYPE CODE	RFI DATA VALIDATION QUALIFIER
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	6528535	Calcium	100	UG/L	3	Not Available	U
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	6528535	Calcium	101	%	2D	Not Available	None
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	6528535	Chromium, Total	10	UG/L	3	Not Available	U
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	6528535	Chromium, Total	103	%	2D	Not Available	None
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	6528535	Cobalt	20	UG/L	3	Not Available	U
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	6528535	Cobalt	101	%	2D	Not Available	None
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	6528535	Copper	20	UG/L	3	Not Available	U
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	6528535	Copper	100	%	2D	Not Available	None
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	70208	Dinitrobenzene[1,2-]	0.301	UG/L	2C	Not Available	None
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	70208	Dinitrobenzene[1,2-]	0.305	UG/L	2C	Not Available	None
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	70208	Dinitrobenzene[1,2-]	0.324	UG/L	2C	Not Available	None
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	70208	Dinitrobenzene[1,3-]	0.195	UG/L	3	Not Available	U
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	70208	Dinitrobenzene[1,3-]	0.709	UG/L	2D	Not Available	None
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	70208	Dinitrobenzene[1,3-]	0.787	UG/L	2E	Not Available	None
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	70208	Dinitrotoluene[2,4-]	0.195	UG/L	3	Not Available	U
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	70208	Dinitrotoluene[2,4-]	0.751	UG/L	2D	Not Available	None
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	70208	Dinitrotoluene[2,4-]	0.798	UG/L	2E	Not Available	None
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	70208	Dinitrotoluene[2,6-]	0.195	UG/L	3	Not Available	U
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	70208	Dinitrotoluene[2,6-]	0.799	UG/L	2D	Not Available	None
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	70208	Dinitrotoluene[2,6-]	0.843	UG/L	2E	Not Available	None
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	70208	HMX	0.584	UG/L	3	Not Available	U
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	70208	HMX	0.763	UG/L	2D	Not Available	None
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	70208	HMX	0.791	UG/L	2E	Not Available	None
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	6528535	Iron	119	%	2D	Not Available	None
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	6528535	Iron	300	UG/L	3	Not Available	U
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	6528623	Lead	2	UG/L	3	Not Available	U
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	6528623	Lead	112	%	2D	Not Available	None
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	6528535	Magnesium	98	%	2D	Not Available	None
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	6528535	Magnesium	100	UG/L	3	Not Available	U
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	6528535	Manganese	50	UG/L	3	Not Available	U
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	6528535	Manganese	102	%	2D	Not Available	None
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	6528535	Nickel	40	UG/L	3	Not Available	U
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	6528535	Nickel	104	%	2D	Not Available	None
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	70208	Nitrobenzene	0.195	UG/L	3	Not Available	U
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	70208	Nitrobenzene	0.477	UG/L	2D	Not Available	None
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	70208	Nitrobenzene	0.595	UG/L	2E	Not Available	None
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	70208	Nitrotoluene[2-]	0.195	UG/L	3	Not Available	U
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	70208	Nitrotoluene[2-]	0.506	UG/L	2D	Not Available	None
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	70208	Nitrotoluene[2-]	0.639	UG/L	2E	Not Available	None
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	70208	Nitrotoluene[3-]	0.195	UG/L	3	Not Available	U
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	70208	Nitrotoluene[3-]	0.567	UG/L	2D	Not Available	None
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	70208	Nitrotoluene[3-]	0.687	UG/L	2E	Not Available	None
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	70208	Nitrotoluene[4-]	0.195	UG/L	3	Not Available	U

PRS 15-009(j) RFI QC ANALYTICAL DATA

PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	SAMPLE MATRIX	SAMPLE MEDIUM	REQUEST NUMBER	ANALYTE NAME	STD SAMPLE RESULTS	STD REPORTING UNITS	SAMPLE TYPE CODE	ANALYTE TYPE CODE	RFI DATA VALIDATION QUALIFIER
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	70208	Nitrotoluene[4-]	0.633	UG/L	2D	Not Available	None
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	70208	Nitrotoluene[4-]	0.739	UG/L	2E	Not Available	None
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	6528535	Potassium	100	%	2D	Not Available	None
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	6528535	Potassium	1000	UG/L	3	Not Available	U
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	70208	RDX	0.584	UG/L	3	Not Available	U
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	70208	RDX	0.737	UG/L	2D	Not Available	None
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	70208	RDX	0.757	UG/L	2E	Not Available	None
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	6528624	Selenium	2	UG/L	3	Not Available	U
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	6528624	Selenium	23	UG/L	1	Not Available	None
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	6528624	Selenium	93	%	2D	Not Available	None
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	6528535	Silver	10	UG/L	3	Not Available	U
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	6528535	Silver	109	%	2D	Not Available	None
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	6528535	Sodium	100	%	2D	Not Available	None
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	6528535	Sodium	500	UG/L	3	Not Available	U
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	70208	Tetryl	0.584	UG/L	3	Not Available	U
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	70208	Tetryl	0.762	UG/L	2D	Not Available	None
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	70208	Tetryl	0.801	UG/L	2E	Not Available	None
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	6528625	Thallium	2	UG/L	3	Not Available	U
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	6528625	Thallium	97	%	2D	Not Available	None
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	70208	Trinitrobenzene[1,3,5-]	0.195	UG/L	3	Not Available	U
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	70208	Trinitrobenzene[1,3,5-]	0.785	UG/L	2D	Not Available	None
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	70208	Trinitrobenzene[1,3,5-]	0.796	UG/L	2E	Not Available	None
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	70208	Trinitrotoluene[2,4,6-]	0.195	UG/L	3	Not Available	U
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	70208	Trinitrotoluene[2,4,6-]	0.906	UG/L	2D	Not Available	None
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	70208	Trinitrotoluene[2,4,6-]	0.967	UG/L	2E	Not Available	None
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	6528404	Uranium	1.1	UG/L	1	Not Available	U
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	6528404	Uranium	1.1	UG/L	3	Not Available	U
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	6528404	Uranium	103	%	2D	Not Available	None
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	6528588	Uranium	1.1	UG/L	3	Not Available	U
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	6528588	Uranium	123	%	2D	Not Available	None
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	6528535	Vanadium	20	UG/L	3	Not Available	U
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	6528535	Vanadium	102	%	2D	Not Available	None
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	6528535	Zinc	20	UG/L	3	Not Available	U
Not Applicable	Not Applicable	LB	Not Applicable	Not Available	Not Applicable	6528535	Zinc	103	%	2D	Not Available	None

PRS 15-009(j) VCA ANALYTICAL DATA

PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	BEGIN DEPTH	END DEPTH	DEPTH UNITS	SAMPLE MEDIUM	ANALYTE NAME	STD SAMPLE RESULTS	STD REPORTING UNITS	RFI DATA VALIDATION QUALIFIER
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Acenaphthene	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Acenaphthylene	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Acetone	0.023	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Aluminum	15000	MG/KG	None
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Amino-2,6-dinitrotoluene[4-]	0.089	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Amino-4,6-dinitrotoluene[2-]	0.086	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Aniline	0.76	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Anthracene	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Antimony	11	MG/KG	UJ
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Arsenic	1.9	MG/KG	None
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Azobenzene	0.76	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Barium	180	MG/KG	None
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Benzene	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Benzo(a)anthracene	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Benzo(a)pyrene	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Benzo(b)fluoranthene	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Benzo(g,h,i)perylene	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Benzo(k)fluoranthene	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Benzoic Acid	3.8	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Benzyl Alcohol	1.5	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Beryllium	1.1	MG/KG	None
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Bis(2-chloroethoxy)methane	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Bis(2-chloroethyl)ether	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Bis(2-ethylhexyl)phthalate	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Bromobenzene	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Bromochloromethane	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Bromodichloromethane	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Bromoform	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Bromomethane	0.011	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Bromophenyl-phenylether[4-]	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Butanone[2-]	0.023	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Butylbenzene[n-]	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Butylbenzene[sec-]	0.0057	MG/KG	U

PRS 15-009(j) VCA ANALYTICAL DATA

PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	BEGIN DEPTH	END DEPTH	DEPTH UNITS	SAMPLE MEDIUM	ANALYTE NAME	STD SAMPLE RESULTS	STD REPORTING UNITS	RFI DATA VALIDATION QUALIFIER
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Butylbenzene[tert-]	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Butylbenzylphthalate	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Cadmium	0.57	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Calcium	2500	MG/KG	None
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Carbon Disulfide	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Carbon Tetrachloride	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Chloro-3-methylphenol[4-]	0.76	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Chloroaniline[4-]	1.5	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Chlorobenzene	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Chlorodibromomethane	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Chloroethane	0.011	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Chloroform	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Chloromethane	0.011	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Chloronaphthalene[2-]	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Chlorophenol[2-]	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Chlorophenyl-phenyl[4-] Ether	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Chlorotoluene[2-]	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Chlorotoluene[4-]	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Chromium, Total	8.5	MG/KG	None
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Chrysene	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Cobalt	5.9	MG/KG	None
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Copper	6.3	MG/KG	None
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Di-n-butylphthalate	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Di-n-octylphthalate	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Dibenz(a,h)anthracene	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Dibenzofuran	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Dibromo-3-chloropropane[1,2-]	0.011	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Dibromoethane[1,2-]	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Dibromomethane	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Dichlorobenzene[1,2-]	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Dichlorobenzene[1,2-]	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Dichlorobenzene[1,3-]	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Dichlorobenzene[1,3-]	0.0057	MG/KG	U

PRS 15-009(j) VCA ANALYTICAL DATA

PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	BEGIN DEPTH	END DEPTH	DEPTH UNITS	SAMPLE MEDIUM	ANALYTE NAME	STD SAMPLE RESULTS	STD REPORTING UNITS	RFI DATA VALIDATION QUALIFIER
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Dichlorobenzene[1,4-]	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Dichlorobenzene[1,4-]	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Dichlorobenzidine[3,3'-]	0.76	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Dichlorodifluoromethane	0.011	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Dichloroethane[1,1-]	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Dichloroethane[1,2-]	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Dichloroethene[1,1-]	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Dichloroethene[cis-1,2-]	0.011	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Dichloroethene[trans-1,2-]	0.011	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Dichlorophenol[2,4-]	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Dichloropropane[1,2-]	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Dichloropropane[1,3-]	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Dichloropropane[2,2-]	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Dichloropropene[1,1-]	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Dichloropropene[cis-1,3-]	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Dichloropropene[trans-1,3-]	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Diethylphthalate	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Dimethyl Phthalate	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Dimethylphenol[2,4-]	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Dinitro-2-methylphenol[4,6-]	1.8	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Dinitrobenzene[1,3-]	0.085	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Dinitrophenol[2,4-]	1.8	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Dinitrotoluene[2,4-]	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Dinitrotoluene[2,4-]	0.064	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Dinitrotoluene[2,6-]	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Dinitrotoluene[2,6-]	0.084	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Ethylbenzene	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Fluoranthene	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Fluorene	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Hexachlorobenzene	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Hexachlorobutadiene	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Hexachlorocyclopentadiene	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Hexachloroethane	0.38	MG/KG	U

PRS 15-009(j) VCA ANALYTICAL DATA

PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	BEGIN DEPTH	END DEPTH	DEPTH UNITS	SAMPLE MEDIUM	ANALYTE NAME	STD SAMPLE RESULTS	STD REPORTING UNITS	RFI DATA VALIDATION QUALIFIER
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Hexanone[2-]	0.023	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	HMX	0.171	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Indeno(1,2,3-cd)pyrene	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Iodomethane	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Iron	11000	MG/KG	None
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Isophorone	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Isopropylbenzene	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Isopropyltoluene[4-]	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Lead	16	MG/KG	None
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Magnesium	2000	MG/KG	None
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Manganese	330	MG/KG	J-
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Mercury	0.11	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Methyl-2-pentanone[4-]	0.023	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Methylene Chloride	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Methylnaphthalene[2-]	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Methylphenol[2-]	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Methylphenol[4-]	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Naphthalene	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Nickel	7.5	MG/KG	None
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Nitroaniline[2-]	1.8	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Nitroaniline[3-]	1.8	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Nitroaniline[4-]	0.76	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Nitrobenzene	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Nitrobenzene	0.095	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Nitrophenol[2-]	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Nitrophenol[4-]	1.8	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Nitroso-di-n-propylamine[N-]	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Nitrosodimethylamine[N-]	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Nitrosodiphenylamine[N-]	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Nitrotoluene[2-]	0.167	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Nitrotoluene[3-]	0.184	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Nitrotoluene[4-]	0.169	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Oxybis(1-chloropropane)[2,2'-]	0.38	MG/KG	U

PRS 15-009(j) VCA ANALYTICAL DATA

PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	BEGIN DEPTH	END DEPTH	DEPTH UNITS	SAMPLE MEDIUM	ANALYTE NAME	STD SAMPLE RESULTS	STD REPORTING UNITS	RFI DATA VALIDATION QUALIFIER
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Pentachlorophenol	1.8	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Phenanthrene	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Phenol	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Potassium	1800	MG/KG	None
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Propylbenzene[1-]	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Pyrene	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	RDX	0.17	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Selenium	0.45	MG/KG	UJ
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Silver	2.3	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Sodium	230	MG/KG	None
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Styrene	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Tetrachloroethane[1,1,1,2-]	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Tetrachloroethane[1,1,2,2-]	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Tetrachloroethene	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Tetryl	0.098	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Thallium	1.5	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Toluene	0.008	MG/KG	None
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Trichlorobenzene[1,2,4-]	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Trichloroethane[1,1,1-]	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Trichloroethane[1,1,2-]	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Trichloroethene	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Trichlorofluoromethane	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Trichlorophenol[2,4,5-]	1.8	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Trichlorophenol[2,4,6-]	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Trichloropropane[1,2,3-]	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Trimethylbenzene[1,2,4-]	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Trimethylbenzene[1,3,5-]	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Trinitrobenzene[1,3,5-]	0.084	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Trinitrotoluene[2,4,6-]	0.089	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Uranium-234	0.595	PCI/G	None
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Uranium-238	0.617	PCI/G	None
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Uranium235 + Uranium-236	0.021	PCI/G	U

PRS 15-009(j) VCA ANALYTICAL DATA

PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	BEGIN DEPTH	END DEPTH	DEPTH UNITS	SAMPLE MEDIUM	ANALYTE NAME	STD SAMPLE RESULTS	STD REPORTING UNITS	RFI DATA VALIDATION QUALIFIER
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Vanadium	19	MG/KG	None
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Vinyl Chloride	0.011	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Xylene (Total)	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0006	6-Aug-97	3.5	3.8	FT	Not Available	Zinc	27	MG/KG	None
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Acenaphthene	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Acenaphthylene	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Acetone	0.023	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Aluminum	14000	MG/KG	None
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Amino-2,6-dinitrotoluene[4-]	0.088	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Amino-4,6-dinitrotoluene[2-]	0.085	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Aniline	0.76	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Anthracene	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Antimony	11	MG/KG	UJ
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Arsenic	2.3	MG/KG	None
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Azobenzene	0.76	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Barium	180	MG/KG	None
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Benzene	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Benzo(a)anthracene	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Benzo(a)pyrene	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Benzo(b)fluoranthene	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Benzo(g,h,i)perylene	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Benzo(k)fluoranthene	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Benzoic Acid	3.8	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Benzyl Alcohol	1.5	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Beryllium	1	MG/KG	None
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Bis(2-chloroethoxy)methane	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Bis(2-chloroethyl)ether	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Bis(2-ethylhexyl)phthalate	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Bromobenzene	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Bromochloromethane	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Bromodichloromethane	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Bromoform	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Bromomethane	0.011	MG/KG	U

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15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Bromophenyl-phenylether[4-]	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Butanone[2-]	0.023	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Butylbenzene[n-]	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Butylbenzene[sec-]	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Butylbenzene[tert-]	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Butylbenzylphthalate	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Cadmium	0.57	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Calcium	2600	MG/KG	None
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Carbon Disulfide	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Carbon Tetrachloride	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Chloro-3-methylphenol[4-]	0.76	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Chloroaniline[4-]	1.5	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Chlorobenzene	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Chlorodibromomethane	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Chloroethane	0.011	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Chloroform	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Chloromethane	0.011	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Chloronaphthalene[2-]	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Chlorophenol[2-]	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Chlorophenyl-phenyl[4-] Ether	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Chlorotoluene[2-]	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Chlorotoluene[4-]	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Chromium, Total	8.5	MG/KG	None
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Chrysene	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Cobalt	5.2	MG/KG	None
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Copper	6.8	MG/KG	None
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Di-n-butylphthalate	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Di-n-octylphthalate	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Dibenz(a,h)anthracene	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Dibenzofuran	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Dibromo-3-chloropropane[1,2-]	0.011	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Dibromoethane[1,2-]	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Dibromomethane	0.0057	MG/KG	U

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15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Dichlorobenzene[1,2-]	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Dichlorobenzene[1,2-]	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Dichlorobenzene[1,3-]	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Dichlorobenzene[1,3-]	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Dichlorobenzene[1,4-]	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Dichlorobenzene[1,4-]	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Dichlorobenzidine[3,3'-]	0.76	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Dichlorodifluoromethane	0.011	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Dichloroethane[1,1-]	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Dichloroethane[1,2-]	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Dichloroethene[1,1-]	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Dichloroethene[cis-1,2-]	0.011	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Dichloroethene[trans-1,2-]	0.011	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Dichlorophenol[2,4-]	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Dichloropropane[1,2-]	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Dichloropropane[1,3-]	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Dichloropropane[2,2-]	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Dichloropropene[1,1-]	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Dichloropropene[cis-1,3-]	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Dichloropropene[trans-1,3-]	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Diethylphthalate	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Dimethyl Phthalate	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Dimethylphenol[2,4-]	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Dinitro-2-methylphenol[4,6-]	1.8	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Dinitrobenzene[1,3-]	0.084	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Dinitrophenol[2,4-]	1.8	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Dinitrotoluene[2,4-]	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Dinitrotoluene[2,4-]	0.063	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Dinitrotoluene[2,6-]	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Dinitrotoluene[2,6-]	0.083	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Ethylbenzene	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Fluoranthene	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Fluorene	0.38	MG/KG	U

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PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	BEGIN DEPTH	END DEPTH	DEPTH UNITS	SAMPLE MEDIUM	ANALYTE NAME	STD SAMPLE RESULTS	STD REPORTING UNITS	RFI DATA VALIDATION QUALIFIER
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Hexachlorobenzene	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Hexachlorobutadiene	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Hexachlorocyclopentadiene	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Hexachloroethane	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Hexanone[2-]	0.023	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	HMX	0.169	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Indeno(1,2,3-cd)pyrene	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Iodomethane	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Iron	13000	MG/KG	None
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Isophorone	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Isopropylbenzene	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Isopropyltoluene[4-]	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Lead	15	MG/KG	None
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Magnesium	2200	MG/KG	None
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Manganese	320	MG/KG	J-
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Mercury	0.11	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Methyl-2-pentanone[4-]	0.023	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Methylene Chloride	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Methylnaphthalene[2-]	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Methylphenol[2-]	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Methylphenol[4-]	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Naphthalene	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Nickel	7.8	MG/KG	None
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Nitroaniline[2-]	1.8	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Nitroaniline[3-]	1.8	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Nitroaniline[4-]	0.76	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Nitrobenzene	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Nitrobenzene	0.094	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Nitrophenol[2-]	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Nitrophenol[4-]	1.8	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Nitroso-di-n-propylamine[N-]	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Nitrosodimethylamine[N-]	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Nitrosodiphenylamine[N-]	0.38	MG/KG	U

PRS 15-009(j) VCA ANALYTICAL DATA

PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	BEGIN DEPTH	END DEPTH	DEPTH UNITS	SAMPLE MEDIUM	ANALYTE NAME	STD SAMPLE RESULTS	STD REPORTING UNITS	RFI DATA VALIDATION QUALIFIER
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Nitrotoluene[2-]	0.165	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Nitrotoluene[3-]	0.182	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Nitrotoluene[4-]	0.167	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Oxybis(1-chloropropane)[2,2'-]	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Pentachlorophenol	1.8	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Phenanthrene	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Phenol	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Potassium	1900	MG/KG	None
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Propylbenzene[1-]	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Pyrene	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	RDX	0.168	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Selenium	1.1	MG/KG	UJ
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Silver	2.3	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Sodium	240	MG/KG	None
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Styrene	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Tetrachloroethane[1,1,1,2-]	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Tetrachloroethane[1,1,2,2-]	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Tetrachloroethene	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Tetryl	0.097	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Thallium	1.5	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Toluene	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Trichlorobenzene[1,2,4-]	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Trichloroethane[1,1,1-]	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Trichloroethane[1,1,2-]	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Trichloroethene	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Trichlorofluoromethane	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Trichlorophenol[2,4,5-]	1.8	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Trichlorophenol[2,4,6-]	0.38	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Trichloropropane[1,2,3-]	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Trimethylbenzene[1,2,4-]	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Trimethylbenzene[1,3,5-]	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Trinitrobenzene[1,3,5-]	0.084	MG/KG	U

PRS 15-009(j) VCA ANALYTICAL DATA

PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	BEGIN DEPTH	END DEPTH	DEPTH UNITS	SAMPLE MEDIUM	ANALYTE NAME	STD SAMPLE RESULTS	STD REPORTING UNITS	RFI DATA VALIDATION QUALIFIER
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Trinitrotoluene[2,4,6-]	0.088	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Uranium-234	0.674	PCI/G	None
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Uranium-238	0.685	PCI/G	None
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Uranium235 + Uranium-236	0.012	PCI/G	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Vanadium	19	MG/KG	None
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Vinyl Chloride	0.011	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Xylene (Total)	0.0057	MG/KG	U
15-009(j)	15-2582	0215-97-0007	6-Aug-97	3.5	3.8	FT	Not Available	Zinc	28	MG/KG	None
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Acenaphthene	0.36	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Acenaphthylene	0.36	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Acetone	0.022	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Aluminum	7100	MG/KG	None
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Amino-2,6-dinitrotoluene[4-]	0.086	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Amino-4,6-dinitrotoluene[2-]	0.083	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Aniline	0.72	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Anthracene	0.36	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Antimony	11	MG/KG	UJ
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Arsenic	1.2	MG/KG	None
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Azobenzene	0.72	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Barium	100	MG/KG	None
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Benzene	0.0054	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Benzo(a)anthracene	0.36	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Benzo(a)pyrene	0.36	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Benzo(b)fluoranthene	0.36	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Benzo(g,h,i)perylene	0.36	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Benzo(k)fluoranthene	0.36	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Benzoic Acid	3.6	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Benzyl Alcohol	1.4	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Beryllium	0.6	MG/KG	None
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Bis(2-chloroethoxy)methane	0.36	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Bis(2-chloroethyl)ether	0.36	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Bis(2-ethylhexyl)phthalate	0.36	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Bromobenzene	0.0054	MG/KG	U

PRS 15-009(j) VCA ANALYTICAL DATA

PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	BEGIN DEPTH	END DEPTH	DEPTH UNITS	SAMPLE MEDIUM	ANALYTE NAME	STD SAMPLE RESULTS	STD REPORTING UNITS	RFI DATA VALIDATION QUALIFIER
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Bromochloromethane	0.0054	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Bromodichloromethane	0.0054	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Bromoform	0.0054	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Bromomethane	0.011	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Bromophenyl-phenylether[4-]	0.36	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Butanone[2-]	0.022	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Butylbenzene[n-]	0.0054	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Butylbenzene[sec-]	0.0054	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Butylbenzene[tert-]	0.0054	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Butylbenzylphthalate	0.36	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Cadmium	0.54	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Calcium	2200	MG/KG	None
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Carbon Disulfide	0.0054	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Carbon Tetrachloride	0.0054	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Chloro-3-methylphenol[4-]	0.72	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Chloroaniline[4-]	1.4	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Chlorobenzene	0.0054	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Chlorodibromomethane	0.0054	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Chloroethane	0.011	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Chloroform	0.0054	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Chloromethane	0.011	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Chloronaphthalene[2-]	0.36	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Chlorophenol[2-]	0.36	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Chlorophenyl-phenyl[4-] Ether	0.36	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Chlorotoluene[2-]	0.0054	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Chlorotoluene[4-]	0.0054	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Chromium, Total	5.5	MG/KG	None
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Chrysene	0.36	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Cobalt	3.4	MG/KG	None
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Copper	5	MG/KG	None
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Di-n-butylphthalate	0.36	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Di-n-octylphthalate	0.36	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Dibenz(a,h)anthracene	0.36	MG/KG	U

PRS 15-009(j) VCA ANALYTICAL DATA

PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	BEGIN DEPTH	END DEPTH	DEPTH UNITS	SAMPLE MEDIUM	ANALYTE NAME	STD SAMPLE RESULTS	STD REPORTING UNITS	RFI DATA VALIDATION QUALIFIER
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Dibenzofuran	0.36	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Dibromo-3-chloropropane[1,2-]	0.011	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Dibromoethane[1,2-]	0.0054	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Dibromomethane	0.0054	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Dichlorobenzene[1,2-]	0.36	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Dichlorobenzene[1,2-]	0.0054	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Dichlorobenzene[1,3-]	0.36	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Dichlorobenzene[1,3-]	0.0054	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Dichlorobenzene[1,4-]	0.36	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Dichlorobenzene[1,4-]	0.0054	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Dichlorobenzidine[3,3'-]	0.72	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Dichlorodifluoromethane	0.011	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Dichloroethane[1,1-]	0.0054	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Dichloroethane[1,2-]	0.0054	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Dichloroethene[1,1-]	0.0054	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Dichloroethene[cis-1,2-]	0.011	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Dichloroethene[trans-1,2-]	0.011	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Dichlorophenol[2,4-]	0.36	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Dichloropropane[1,2-]	0.0054	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Dichloropropane[1,3-]	0.0054	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Dichloropropane[2,2-]	0.0054	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Dichloropropene[1,1-]	0.0054	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Dichloropropene[cis-1,3-]	0.0054	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Dichloropropene[trans-1,3-]	0.0054	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Diethylphthalate	0.36	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Dimethyl Phthalate	0.36	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Dimethylphenol[2,4-]	0.36	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Dinitro-2-methylphenol[4,6-]	1.7	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Dinitrobenzene[1,3-]	0.082	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Dinitrophenol[2,4-]	1.7	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Dinitrotoluene[2,4-]	0.36	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Dinitrotoluene[2,4-]	0.062	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Dinitrotoluene[2,6-]	0.36	MG/KG	U

PRS 15-009(j) VCA ANALYTICAL DATA

PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	BEGIN DEPTH	END DEPTH	DEPTH UNITS	SAMPLE MEDIUM	ANALYTE NAME	STD SAMPLE RESULTS	STD REPORTING UNITS	RFI DATA VALIDATION QUALIFIER
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Dinitrotoluene[2,6-]	0.082	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Ethylbenzene	0.0054	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Fluoranthene	0.36	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Fluorene	0.36	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Hexachlorobenzene	0.36	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Hexachlorobutadiene	0.36	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Hexachlorocyclopentadiene	0.36	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Hexachloroethane	0.36	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Hexanone[2-]	0.022	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	HMX	0.166	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Indeno(1,2,3-cd)pyrene	0.36	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Iodomethane	0.0054	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Iron	8300	MG/KG	None
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Isophorone	0.36	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Isopropylbenzene	0.0054	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Isopropyltoluene[4-]	0.0054	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Lead	9.1	MG/KG	None
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Magnesium	1500	MG/KG	None
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Manganese	170	MG/KG	J-
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Mercury	0.11	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Methyl-2-pentanone[4-]	0.022	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Methylene Chloride	0.0054	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Methylnaphthalene[2-]	0.36	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Methylphenol[2-]	0.36	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Methylphenol[4-]	0.36	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Naphthalene	0.36	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Nickel	4.5	MG/KG	None
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Nitroaniline[2-]	1.7	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Nitroaniline[3-]	1.7	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Nitroaniline[4-]	0.72	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Nitrobenzene	0.36	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Nitrobenzene	0.092	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Nitrophenol[2-]	0.36	MG/KG	U

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PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	BEGIN DEPTH	END DEPTH	DEPTH UNITS	SAMPLE MEDIUM	ANALYTE NAME	STD SAMPLE RESULTS	STD REPORTING UNITS	RFI DATA VALIDATION QUALIFIER
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Nitrophenol[4-]	1.7	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Nitroso-di-n-propylamine[N-]	0.36	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Nitrosodimethylamine[N-]	0.36	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Nitrosodiphenylamine[N-]	0.36	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Nitrotoluene[2-]	0.161	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Nitrotoluene[3-]	0.178	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Nitrotoluene[4-]	0.164	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Oxybis(1-chloropropane)[2,2'-]	0.36	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Pentachlorophenol	1.7	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Phenanthrene	0.36	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Phenol	0.36	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Potassium	1100	MG/KG	None
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Propylbenzene[1-]	0.0054	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Pyrene	0.36	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	RDX	0.164	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Selenium	1.1	MG/KG	UJ
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Silver	2.2	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Sodium	120	MG/KG	None
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Styrene	0.0054	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Tetrachloroethane[1,1,1,2-]	0.0054	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Tetrachloroethane[1,1,2,2-]	0.0054	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Tetrachloroethene	0.0054	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Tetryl	0.095	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Thallium	1.4	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Toluene	0.0054	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.0054	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Trichlorobenzene[1,2,4-]	0.36	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Trichloroethane[1,1,1-]	0.0054	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Trichloroethane[1,1,2-]	0.0054	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Trichloroethene	0.0054	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Trichlorofluoromethane	0.0054	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Trichlorophenol[2,4,5-]	1.7	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Trichlorophenol[2,4,6-]	0.36	MG/KG	U

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15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Trichloropropane[1,2,3-]	0.0054	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Trimethylbenzene[1,2,4-]	0.0054	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Trimethylbenzene[1,3,5-]	0.0054	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Trinitrobenzene[1,3,5-]	0.082	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Trinitrotoluene[2,4,6-]	0.086	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Uranium-234	0.561	PCI/G	None
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Uranium-238	0.565	PCI/G	None
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Uranium235 + Uranium-236	0.021	PCI/G	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Vanadium	14	MG/KG	None
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Vinyl Chloride	0.011	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Xylene (Total)	0.0054	MG/KG	U
15-009(j)	15-2583	0215-97-0008	6-Aug-97	3.3	3.6	FT	Not Available	Zinc	21	MG/KG	None
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Acenaphthene	0.34	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Acenaphthylene	0.34	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Acetone	0.042	MG/KG	None
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Aluminum	3500	MG/KG	None
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Amino-2,6-dinitrotoluene[4-]	0.086	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Amino-4,6-dinitrotoluene[2-]	0.083	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Aniline	0.69	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Anthracene	0.34	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Antimony	10	MG/KG	UJ
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Arsenic	1	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Azobenzene	0.69	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Barium	59	MG/KG	None
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Benzene	0.0052	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Benzo(a)anthracene	0.34	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Benzo(a)pyrene	0.34	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Benzo(b)fluoranthene	0.34	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Benzo(g,h,i)perylene	0.34	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Benzo(k)fluoranthene	0.34	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Benzoic Acid	3.4	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Benzyl Alcohol	1.4	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Beryllium	0.52	MG/KG	U

PRS 15-009(j) VCA ANALYTICAL DATA

PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	BEGIN DEPTH	END DEPTH	DEPTH UNITS	SAMPLE MEDIUM	ANALYTE NAME	STD SAMPLE RESULTS	STD REPORTING UNITS	RFI DATA VALIDATION QUALIFIER
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Bis(2-chloroethoxy)methane	0.34	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Bis(2-chloroethyl)ether	0.34	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Bis(2-ethylhexyl)phthalate	0.34	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Bromobenzene	0.0052	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Bromochloromethane	0.0052	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Bromodichloromethane	0.0052	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Bromoform	0.0052	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Bromomethane	0.01	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Bromophenyl-phenylether[4-]	0.34	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Butanone[2-]	0.021	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Butylbenzene[n-]	0.0052	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Butylbenzene[sec-]	0.0052	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Butylbenzene[tert-]	0.0052	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Butylbenzylphthalate	0.34	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Cadmium	0.52	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Calcium	1800	MG/KG	None
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Carbon Disulfide	0.0052	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Carbon Tetrachloride	0.0052	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Chloro-3-methylphenol[4-]	0.69	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Chloroaniline[4-]	1.4	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Chlorobenzene	0.0052	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Chlorodibromomethane	0.0052	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Chloroethane	0.01	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Chloroform	0.0052	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Chloromethane	0.01	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Chloronaphthalene[2-]	0.34	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Chlorophenol[2-]	0.34	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Chlorophenyl-phenyl[4-] Ether	0.34	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Chlorotoluene[2-]	0.0052	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Chlorotoluene[4-]	0.0052	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Chromium, Total	8.2	MG/KG	None
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Chrysene	0.34	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Cobalt	3.1	MG/KG	None

PRS 15-009(j) VCA ANALYTICAL DATA

PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	BEGIN DEPTH	END DEPTH	DEPTH UNITS	SAMPLE MEDIUM	ANALYTE NAME	STD SAMPLE RESULTS	STD REPORTING UNITS	RFI DATA VALIDATION QUALIFIER
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Copper	3.8	MG/KG	None
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Di-n-butylphthalate	0.34	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Di-n-octylphthalate	0.34	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Dibenz(a,h)anthracene	0.34	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Dibenzofuran	0.34	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Dibromo-3-chloropropane[1,2-]	0.01	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Dibromoethane[1,2-]	0.0052	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Dibromomethane	0.0052	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Dichlorobenzene[1,2-]	0.34	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Dichlorobenzene[1,2-]	0.0052	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Dichlorobenzene[1,3-]	0.34	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Dichlorobenzene[1,3-]	0.0052	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Dichlorobenzene[1,4-]	0.34	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Dichlorobenzene[1,4-]	0.0052	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Dichlorobenzidine[3,3'-]	0.69	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Dichlorodifluoromethane	0.01	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Dichloroethane[1,1-]	0.0052	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Dichloroethane[1,2-]	0.0052	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Dichloroethene[1,1-]	0.0052	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Dichloroethene[cis-1,2-]	0.01	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Dichloroethene[trans-1,2-]	0.01	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Dichlorophenol[2,4-]	0.34	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Dichloropropane[1,2-]	0.0052	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Dichloropropane[1,3-]	0.0052	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Dichloropropane[2,2-]	0.0052	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Dichloropropene[1,1-]	0.0052	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Dichloropropene[cis-1,3-]	0.0052	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Dichloropropene[trans-1,3-]	0.0052	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Diethylphthalate	0.34	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Dimethyl Phthalate	0.34	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Dimethylphenol[2,4-]	0.34	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Dinitro-2-methylphenol[4,6-]	1.7	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Dinitrobenzene[1,3-]	0.081	MG/KG	U

PRS 15-009(j) VCA ANALYTICAL DATA

PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	BEGIN DEPTH	END DEPTH	DEPTH UNITS	SAMPLE MEDIUM	ANALYTE NAME	STD SAMPLE RESULTS	STD REPORTING UNITS	RFI DATA VALIDATION QUALIFIER
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Dinitrophenol[2,4-]	1.7	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Dinitrotoluene[2,4-]	0.34	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Dinitrotoluene[2,4-]	0.061	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Dinitrotoluene[2,6-]	0.34	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Dinitrotoluene[2,6-]	0.081	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Ethylbenzene	0.0052	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Fluoranthene	0.34	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Fluorene	0.34	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Hexachlorobenzene	0.34	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Hexachlorobutadiene	0.34	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Hexachlorocyclopentadiene	0.34	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Hexachloroethane	0.34	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Hexanone[2-]	0.021	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	HMX	0.164	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Indeno(1,2,3-cd)pyrene	0.34	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Iodomethane	0.0052	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Iron	5800	MG/KG	None
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Isophorone	0.34	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Isopropylbenzene	0.0052	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Isopropyltoluene[4-]	0.0052	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Lead	6	MG/KG	None
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Magnesium	920	MG/KG	None
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Manganese	240	MG/KG	J-
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Mercury	0.1	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Methyl-2-pentanone[4-]	0.021	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Methylene Chloride	0.0052	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Methylnaphthalene[2-]	0.34	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Methylphenol[2-]	0.34	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Methylphenol[4-]	0.34	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Naphthalene	0.34	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Nickel	5.5	MG/KG	None
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Nitroaniline[2-]	1.7	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Nitroaniline[3-]	1.7	MG/KG	U

PRS 15-009(j) VCA ANALYTICAL DATA

PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	BEGIN DEPTH	END DEPTH	DEPTH UNITS	SAMPLE MEDIUM	ANALYTE NAME	STD SAMPLE RESULTS	STD REPORTING UNITS	RFI DATA VALIDATION QUALIFIER
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Nitroaniline[4-]	0.69	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Nitrobenzene	0.34	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Nitrobenzene	0.091	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Nitrophenol[2-]	0.34	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Nitrophenol[4-]	1.7	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Nitroso-di-n-propylamine[N-]	0.34	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Nitrosodimethylamine[N-]	0.34	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Nitrosodiphenylamine[N-]	0.34	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Nitrotoluene[2-]	0.16	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Nitrotoluene[3-]	0.176	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Nitrotoluene[4-]	0.162	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Oxybis(1-chloropropane)[2,2'-]	0.34	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Pentachlorophenol	1.7	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Phenanthrene	0.34	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Phenol	0.34	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Potassium	630	MG/KG	None
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Propylbenzene[1-]	0.0052	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Pyrene	0.34	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	RDX	0.163	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Selenium	1	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Silver	2.1	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Sodium	100	MG/KG	None
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Styrene	0.0052	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Tetrachloroethane[1,1,1,2-]	0.0052	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Tetrachloroethane[1,1,2,2-]	0.0052	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Tetrachloroethene	0.0052	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Tetryl	0.094	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Thallium	1.4	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Toluene	0.0052	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.0052	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Trichlorobenzene[1,2,4-]	0.34	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Trichloroethane[1,1,1-]	0.0052	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Trichloroethane[1,1,2-]	0.0052	MG/KG	U

PRS 15-009(j) VCA ANALYTICAL DATA

PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	BEGIN DEPTH	END DEPTH	DEPTH UNITS	SAMPLE MEDIUM	ANALYTE NAME	STD SAMPLE RESULTS	STD REPORTING UNITS	RFI DATA VALIDATION QUALIFIER
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Trichloroethene	0.0052	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Trichlorofluoromethane	0.0052	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Trichlorophenol[2,4,5-]	1.7	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Trichlorophenol[2,4,6-]	0.34	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Trichloropropane[1,2,3-]	0.0052	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Trimethylbenzene[1,2,4-]	0.0052	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Trimethylbenzene[1,3,5-]	0.0052	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Trinitrobenzene[1,3,5-]	0.081	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Trinitrotoluene[2,4,6-]	0.085	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Uranium-234	0.454	PCI/G	None
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Uranium-238	0.503	PCI/G	None
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Uranium235 + Uranium-236	0.016	PCI/G	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Vanadium	11	MG/KG	None
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Vinyl Chloride	0.01	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Xylene (Total)	0.0052	MG/KG	U
15-009(j)	15-2584	0215-97-0009	6-Aug-97	7.3	7.8	FT	Not Available	Zinc	19	MG/KG	None
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Acenaphthene	0.34	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Acenaphthylene	0.34	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Acetone	0.036	MG/KG	None
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Aluminum	1600	MG/KG	None
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Amino-2,6-dinitrotoluene[4-]	0.085	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Amino-4,6-dinitrotoluene[2-]	0.082	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Aniline	0.68	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Anthracene	0.34	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Antimony	10	MG/KG	UJ
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Arsenic	1	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Azobenzene	0.68	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Barium	29	MG/KG	None
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Benzene	0.0052	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Benzo(a)anthracene	0.34	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Benzo(a)pyrene	0.34	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Benzo(b)fluoranthene	0.34	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Benzo(g,h,i)perylene	0.34	MG/KG	U

PRS 15-009(j) VCA ANALYTICAL DATA

PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	BEGIN DEPTH	END DEPTH	DEPTH UNITS	SAMPLE MEDIUM	ANALYTE NAME	STD SAMPLE RESULTS	STD REPORTING UNITS	RFI DATA VALIDATION QUALIFIER
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Benzo(k)fluoranthene	0.34	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Benzoic Acid	3.4	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Benzyl Alcohol	1.3	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Beryllium	0.52	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Bis(2-chloroethoxy)methane	0.34	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Bis(2-chloroethyl)ether	0.34	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Bis(2-ethylhexyl)phthalate	0.34	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Bromobenzene	0.0052	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Bromochloromethane	0.0052	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Bromodichloromethane	0.0052	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Bromoform	0.0052	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Bromomethane	0.01	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Bromophenyl-phenylether[4-]	0.34	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Butanone[2-]	0.021	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Butylbenzene[n-]	0.0052	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Butylbenzene[sec-]	0.0052	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Butylbenzene[tert-]	0.0052	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Butylbenzylphthalate	0.34	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Cadmium	0.52	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Calcium	1300	MG/KG	None
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Carbon Disulfide	0.0052	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Carbon Tetrachloride	0.0052	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Chloro-3-methylphenol[4-]	0.68	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Chloroaniline[4-]	1.3	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Chlorobenzene	0.0052	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Chlorodibromomethane	0.0052	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Chloroethane	0.01	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Chloroform	0.0052	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Chloromethane	0.01	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Chloronaphthalene[2-]	0.34	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Chlorophenol[2-]	0.34	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Chlorophenyl-phenyl[4-] Ether	0.34	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Chlorotoluene[2-]	0.0052	MG/KG	U

PRS 15-009(j) VCA ANALYTICAL DATA

PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	BEGIN DEPTH	END DEPTH	DEPTH UNITS	SAMPLE MEDIUM	ANALYTE NAME	STD SAMPLE RESULTS	STD REPORTING UNITS	RFI DATA VALIDATION QUALIFIER
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Chlorotoluene[4-]	0.0052	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Chromium, Total	2.8	MG/KG	None
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Chrysene	0.34	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Cobalt	1.4	MG/KG	None
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Copper	2.8	MG/KG	None
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Di-n-butylphthalate	0.34	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Di-n-octylphthalate	0.34	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Dibenz(a,h)anthracene	0.34	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Dibenzofuran	0.34	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Dibromo-3-chloropropane[1,2-]	0.01	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Dibromoethane[1,2-]	0.0052	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Dibromomethane	0.0052	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Dichlorobenzene[1,2-]	0.34	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Dichlorobenzene[1,2-]	0.0052	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Dichlorobenzene[1,3-]	0.34	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Dichlorobenzene[1,3-]	0.0052	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Dichlorobenzene[1,4-]	0.34	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Dichlorobenzene[1,4-]	0.0052	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Dichlorobenzidine[3,3'-]	0.68	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Dichlorodifluoromethane	0.01	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Dichloroethane[1,1-]	0.0052	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Dichloroethane[1,2-]	0.0052	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Dichloroethene[1,1-]	0.0052	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Dichloroethene[cis-1,2-]	0.01	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Dichloroethene[trans-1,2-]	0.01	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Dichlorophenol[2,4-]	0.34	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Dichloropropane[1,2-]	0.0052	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Dichloropropane[1,3-]	0.0052	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Dichloropropane[2,2-]	0.0052	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Dichloropropene[1,1-]	0.0052	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Dichloropropene[cis-1,3-]	0.0052	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Dichloropropene[trans-1,3-]	0.0052	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Diethylphthalate	0.34	MG/KG	U

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15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Dimethyl Phthalate	0.34	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Dimethylphenol[2,4-]	0.34	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Dinitro-2-methylphenol[4,6-]	1.7	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Dinitrobenzene[1,3-]	0.081	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Dinitrophenol[2,4-]	1.7	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Dinitrotoluene[2,4-]	0.34	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Dinitrotoluene[2,4-]	0.061	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Dinitrotoluene[2,6-]	0.34	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Dinitrotoluene[2,6-]	0.081	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Ethylbenzene	0.0052	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Fluoranthene	0.34	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Fluorene	0.34	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Hexachlorobenzene	0.34	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Hexachlorobutadiene	0.34	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Hexachlorocyclopentadiene	0.34	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Hexachloroethane	0.34	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Hexanone[2-]	0.021	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	HMX	0.164	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Indeno(1,2,3-cd)pyrene	0.34	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Iodomethane	0.0052	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Iron	3600	MG/KG	None
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Isophorone	0.34	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Isopropylbenzene	0.0052	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Isopropyltoluene[4-]	0.0052	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Lead	2.6	MG/KG	None
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Magnesium	560	MG/KG	None
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Manganese	94	MG/KG	J-
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Mercury	0.1	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Methyl-2-pentanone[4-]	0.021	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Methylene Chloride	0.0052	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Methylnaphthalene[2-]	0.34	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Methylphenol[2-]	0.34	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Methylphenol[4-]	0.34	MG/KG	U

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15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Naphthalene	0.34	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Nickel	3	MG/KG	None
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Nitroaniline[2-]	1.7	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Nitroaniline[3-]	1.7	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Nitroaniline[4-]	0.68	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Nitrobenzene	0.34	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Nitrobenzene	0.091	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Nitrophenol[2-]	0.34	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Nitrophenol[4-]	1.7	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Nitroso-di-n-propylamine[N-]	0.34	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Nitrosodimethylamine[N-]	0.34	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Nitrosodiphenylamine[N-]	0.34	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Nitrotoluene[2-]	0.159	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Nitrotoluene[3-]	0.176	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Nitrotoluene[4-]	0.162	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Oxybis(1-chloropropane)[2,2'-]	0.34	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Pentachlorophenol	1.7	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Phenanthrene	0.34	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Phenol	0.34	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Potassium	380	MG/KG	None
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Propylbenzene[1-]	0.0052	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Pyrene	0.34	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	RDX	0.162	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Selenium	1	MG/KG	UJ
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Silver	2.1	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Sodium	93	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Styrene	0.0052	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Tetrachloroethane[1,1,1,2-]	0.0052	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Tetrachloroethane[1,1,2,2-]	0.0052	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Tetrachloroethene	0.0052	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Tetryl	0.093	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Thallium	1.3	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Toluene	0.0052	MG/KG	U

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15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.0052	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Trichlorobenzene[1,2,4-]	0.34	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Trichloroethane[1,1,1-]	0.0052	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Trichloroethane[1,1,2-]	0.0052	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Trichloroethene	0.0052	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Trichlorofluoromethane	0.0052	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Trichlorophenol[2,4,5-]	1.7	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Trichlorophenol[2,4,6-]	0.34	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Trichloropropane[1,2,3-]	0.0052	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Trimethylbenzene[1,2,4-]	0.0052	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Trimethylbenzene[1,3,5-]	0.0052	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Trinitrobenzene[1,3,5-]	0.081	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Trinitrotoluene[2,4,6-]	0.085	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Uranium-234	0.516	PCI/G	None
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Uranium-238	0.583	PCI/G	None
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Uranium235 + Uranium-236	0.029	PCI/G	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Vanadium	7.8	MG/KG	None
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Vinyl Chloride	0.01	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Xylene (Total)	0.0052	MG/KG	U
15-009(j)	15-2585	0215-97-0010	6-Aug-97	7.5	8	FT	Not Available	Zinc	12	MG/KG	None
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Acenaphthene	0.34	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Acenaphthylene	0.34	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Acetone	0.021	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Aluminum	2800	MG/KG	None
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Amino-2,6-dinitrotoluene[4-]	0.086	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Amino-4,6-dinitrotoluene[2-]	0.083	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Aniline	0.69	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Anthracene	0.34	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Antimony	10	MG/KG	UJ
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Arsenic	1	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Azobenzene	0.69	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Barium	47	MG/KG	None
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Benzene	0.0052	MG/KG	U

PRS 15-009(j) VCA ANALYTICAL DATA

PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	BEGIN DEPTH	END DEPTH	DEPTH UNITS	SAMPLE MEDIUM	ANALYTE NAME	STD SAMPLE RESULTS	STD REPORTING UNITS	RFI DATA VALIDATION QUALIFIER
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Benzo(a)anthracene	0.34	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Benzo(a)pyrene	0.34	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Benzo(b)fluoranthene	0.34	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Benzo(g,h,i)perylene	0.34	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Benzo(k)fluoranthene	0.34	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Benzoic Acid	3.4	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Benzyl Alcohol	1.4	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Beryllium	0.52	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Bis(2-chloroethoxy)methane	0.34	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Bis(2-chloroethyl)ether	0.34	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Bis(2-ethylhexyl)phthalate	0.34	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Bromobenzene	0.0052	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Bromochloromethane	0.0052	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Bromodichloromethane	0.0052	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Bromoform	0.0052	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Bromomethane	0.01	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Bromophenyl-phenylether[4-]	0.34	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Butanone[2-]	0.021	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Butylbenzene[n-]	0.0052	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Butylbenzene[sec-]	0.0052	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Butylbenzene[tert-]	0.0052	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Butylbenzylphthalate	0.34	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Cadmium	0.52	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Calcium	1600	MG/KG	None
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Carbon Disulfide	0.0052	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Carbon Tetrachloride	0.0052	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Chloro-3-methylphenol[4-]	0.69	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Chloroaniline[4-]	1.4	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Chlorobenzene	0.0052	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Chlorodibromomethane	0.0052	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Chloroethane	0.01	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Chloroform	0.0052	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Chloromethane	0.01	MG/KG	U

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15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Chloronaphthalene[2-]	0.34	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Chlorophenol[2-]	0.34	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Chlorophenyl-phenyl[4-] Ether	0.34	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Chlorotoluene[2-]	0.0052	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Chlorotoluene[4-]	0.0052	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Chromium, Total	3.6	MG/KG	None
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Chrysene	0.34	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Cobalt	2	MG/KG	None
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Copper	3.1	MG/KG	None
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Di-n-butylphthalate	0.34	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Di-n-octylphthalate	0.34	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Dibenz(a,h)anthracene	0.34	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Dibenzofuran	0.34	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Dibromo-3-chloropropane[1,2-]	0.01	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Dibromoethane[1,2-]	0.0052	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Dibromomethane	0.0052	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Dichlorobenzene[1,2-]	0.34	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Dichlorobenzene[1,2-]	0.0052	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Dichlorobenzene[1,3-]	0.34	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Dichlorobenzene[1,3-]	0.0052	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Dichlorobenzene[1,4-]	0.34	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Dichlorobenzene[1,4-]	0.0052	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Dichlorobenzidine[3,3'-]	0.69	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Dichlorodifluoromethane	0.01	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Dichloroethane[1,1-]	0.0052	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Dichloroethane[1,2-]	0.0052	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Dichloroethene[1,1-]	0.0052	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Dichloroethene[cis-1,2-]	0.01	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Dichloroethene[trans-1,2-]	0.01	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Dichlorophenol[2,4-]	0.34	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Dichloropropane[1,2-]	0.0052	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Dichloropropane[1,3-]	0.0052	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Dichloropropane[2,2-]	0.0052	MG/KG	U

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15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Dichloropropene[1,1-]	0.0052	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Dichloropropene[cis-1,3-]	0.0052	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Dichloropropene[trans-1,3-]	0.0052	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Diethylphthalate	0.34	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Dimethyl Phthalate	0.34	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Dimethylphenol[2,4-]	0.34	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Dinitro-2-methylphenol[4,6-]	1.7	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Dinitrobenzene[1,3-]	0.081	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Dinitrophenol[2,4-]	1.7	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Dinitrotoluene[2,4-]	0.34	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Dinitrotoluene[2,4-]	0.061	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Dinitrotoluene[2,6-]	0.34	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Dinitrotoluene[2,6-]	0.083	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Ethylbenzene	0.0052	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Fluoranthene	0.34	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Fluorene	0.34	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Hexachlorobenzene	0.34	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Hexachlorobutadiene	0.34	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Hexachlorocyclopentadiene	0.34	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Hexachloroethane	0.34	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Hexanone[2-]	0.021	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	HMX	0.164	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Indeno(1,2,3-cd)pyrene	0.34	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Iodomethane	0.0052	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Iron	4800	MG/KG	None
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Isophorone	0.34	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Isopropylbenzene	0.0052	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Isopropyltoluene[4-]	0.0052	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Lead	5.5	MG/KG	None
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Magnesium	700	MG/KG	None
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Manganese	130	MG/KG	J-
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Mercury	0.1	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Methyl-2-pentanone[4-]	0.021	MG/KG	U

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15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Methylene Chloride	0.0052	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Methylnaphthalene[2-]	0.34	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Methylphenol[2-]	0.34	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Methylphenol[4-]	0.34	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Naphthalene	0.34	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Nickel	2.9	MG/KG	None
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Nitroaniline[2-]	1.7	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Nitroaniline[3-]	1.7	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Nitroaniline[4-]	0.69	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Nitrobenzene	0.34	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Nitrobenzene	0.091	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Nitrophenol[2-]	0.34	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Nitrophenol[4-]	1.7	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Nitroso-di-n-propylamine[N-]	0.34	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Nitrosodimethylamine[N-]	0.34	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Nitrosodiphenylamine[N-]	0.34	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Nitrotoluene[2-]	0.16	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Nitrotoluene[3-]	0.176	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Nitrotoluene[4-]	0.162	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Oxybis(1-chloropropane)[2,2'-]	0.34	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Pentachlorophenol	1.7	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Phenanthrene	0.34	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Phenol	0.34	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Potassium	580	MG/KG	None
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Propylbenzene[1-]	0.0052	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Pyrene	0.34	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	RDX	0.163	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Selenium	1	MG/KG	UJ
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Silver	2.1	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Sodium	82	MG/KG	None
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Styrene	0.0052	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Tetrachloroethane[1,1,1,2-]	0.0052	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Tetrachloroethane[1,1,2,2-]	0.0052	MG/KG	U

PRS 15-009(j) VCA ANALYTICAL DATA

PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	BEGIN DEPTH	END DEPTH	DEPTH UNITS	SAMPLE MEDIUM	ANALYTE NAME	STD SAMPLE RESULTS	STD REPORTING UNITS	RFI DATA VALIDATION QUALIFIER
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Tetrachloroethene	0.0052	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Tetryl	0.094	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Thallium	1.4	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Toluene	0.0052	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.0052	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Trichlorobenzene[1,2,4-]	0.34	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Trichloroethane[1,1,1-]	0.0052	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Trichloroethane[1,1,2-]	0.0052	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Trichloroethene	0.0052	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Trichlorofluoromethane	0.0052	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Trichlorophenol[2,4,5-]	1.7	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Trichlorophenol[2,4,6-]	0.34	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Trichloropropane[1,2,3-]	0.0052	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Trimethylbenzene[1,2,4-]	0.0052	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Trimethylbenzene[1,3,5-]	0.0052	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Trinitrobenzene[1,3,5-]	0.081	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Trinitrotoluene[2,4,6-]	0.085	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Uranium-234	0.536	PCI/G	None
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Uranium-238	0.532	PCI/G	None
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Uranium235 + Uranium-236	0.022	PCI/G	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Vanadium	10	MG/KG	None
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Vinyl Chloride	0.01	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Xylene (Total)	0.0052	MG/KG	U
15-009(j)	15-2586	0215-97-0011	6-Aug-97	7.5	8	FT	Not Available	Zinc	16	MG/KG	None
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Acenaphthene	0.34	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Acenaphthylene	0.34	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Acetone	0.021	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Aluminum	3000	MG/KG	None
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Amino-2,6-dinitrotoluene[4-]	0.085	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Amino-4,6-dinitrotoluene[2-]	0.082	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Aniline	0.68	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Anthracene	0.34	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Antimony	10	MG/KG	UJ

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15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Arsenic	1	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Azobenzene	0.68	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Barium	34	MG/KG	None
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Benzene	0.0052	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Benzo(a)anthracene	0.34	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Benzo(a)pyrene	0.34	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Benzo(b)fluoranthene	0.34	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Benzo(g,h,i)perylene	0.34	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Benzo(k)fluoranthene	0.34	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Benzoic Acid	3.4	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Benzyl Alcohol	1.3	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Beryllium	0.51	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Bis(2-chloroethoxy)methane	0.34	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Bis(2-chloroethyl)ether	0.34	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Bis(2-ethylhexyl)phthalate	0.34	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Bromobenzene	0.0052	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Bromochloromethane	0.0052	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Bromodichloromethane	0.0052	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Bromoform	0.0052	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Bromomethane	0.01	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Bromophenyl-phenylether[4-]	0.34	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Butanone[2-]	0.021	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Butylbenzene[n-]	0.0052	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Butylbenzene[sec-]	0.0052	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Butylbenzene[tert-]	0.0052	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Butylbenzylphthalate	0.34	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Cadmium	0.51	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Calcium	2100	MG/KG	None
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Carbon Disulfide	0.0052	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Carbon Tetrachloride	0.0052	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Chloro-3-methylphenol[4-]	0.68	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Chloroaniline[4-]	1.3	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Chlorobenzene	0.0052	MG/KG	U

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PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	BEGIN DEPTH	END DEPTH	DEPTH UNITS	SAMPLE MEDIUM	ANALYTE NAME	STD SAMPLE RESULTS	STD REPORTING UNITS	RFI DATA VALIDATION QUALIFIER
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Chlorodibromomethane	0.0052	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Chloroethane	0.01	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Chloroform	0.0052	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Chloromethane	0.01	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Chloronaphthalene[2-]	0.34	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Chlorophenol[2-]	0.34	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Chlorophenyl-phenyl[4-] Ether	0.34	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Chlorotoluene[2-]	0.0052	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Chlorotoluene[4-]	0.0052	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Chromium, Total	4.3	MG/KG	None
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Chrysene	0.34	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Cobalt	2.3	MG/KG	None
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Copper	3.7	MG/KG	None
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Di-n-butylphthalate	0.34	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Di-n-octylphthalate	0.34	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Dibenz(a,h)anthracene	0.34	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Dibenzofuran	0.34	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Dibromo-3-chloropropane[1,2-]	0.01	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Dibromoethane[1,2-]	0.0052	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Dibromomethane	0.0052	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Dichlorobenzene[1,2-]	0.34	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Dichlorobenzene[1,2-]	0.0052	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Dichlorobenzene[1,3-]	0.34	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Dichlorobenzene[1,3-]	0.0052	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Dichlorobenzene[1,4-]	0.34	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Dichlorobenzene[1,4-]	0.0052	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Dichlorobenzidine[3,3'-]	0.68	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Dichlorodifluoromethane	0.01	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Dichloroethane[1,1-]	0.0052	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Dichloroethane[1,2-]	0.0052	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Dichloroethene[1,1-]	0.0052	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Dichloroethene[cis-1,2-]	0.01	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Dichloroethene[trans-1,2-]	0.01	MG/KG	U

PRS 15-009(j) VCA ANALYTICAL DATA

PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	BEGIN DEPTH	END DEPTH	DEPTH UNITS	SAMPLE MEDIUM	ANALYTE NAME	STD SAMPLE RESULTS	STD REPORTING UNITS	RFI DATA VALIDATION QUALIFIER
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Dichlorophenol[2,4-]	0.34	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Dichloropropane[1,2-]	0.0052	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Dichloropropane[1,3-]	0.0052	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Dichloropropane[2,2-]	0.0052	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Dichloropropene[1,1-]	0.0052	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Dichloropropene[cis-1,3-]	0.0052	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Dichloropropene[trans-1,3-]	0.0052	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Diethylphthalate	0.34	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Dimethyl Phthalate	0.34	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Dimethylphenol[2,4-]	0.34	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Dinitro-2-methylphenol[4,6-]	1.7	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Dinitrobenzene[1,3-]	0.081	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Dinitrophenol[2,4-]	1.7	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Dinitrotoluene[2,4-]	0.34	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Dinitrotoluene[2,4-]	0.061	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Dinitrotoluene[2,6-]	0.34	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Dinitrotoluene[2,6-]	0.081	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Ethylbenzene	0.0052	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Fluoranthene	0.34	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Fluorene	0.34	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Hexachlorobenzene	0.34	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Hexachlorobutadiene	0.34	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Hexachlorocyclopentadiene	0.34	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Hexachloroethane	0.34	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Hexanone[2-]	0.021	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	HMX	0.164	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Indeno(1,2,3-cd)pyrene	0.34	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Iodomethane	0.0052	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Iron	5800	MG/KG	None
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Isophorone	0.34	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Isopropylbenzene	0.0052	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Isopropyltoluene[4-]	0.0052	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Lead	5.3	MG/KG	None

PRS 15-009(j) VCA ANALYTICAL DATA

PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	BEGIN DEPTH	END DEPTH	DEPTH UNITS	SAMPLE MEDIUM	ANALYTE NAME	STD SAMPLE RESULTS	STD REPORTING UNITS	RFI DATA VALIDATION QUALIFIER
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Magnesium	800	MG/KG	None
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Manganese	110	MG/KG	J-
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Mercury	0.1	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Methyl-2-pentanone[4-]	0.021	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Methylene Chloride	0.0052	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Methylnaphthalene[2-]	0.34	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Methylphenol[2-]	0.34	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Methylphenol[4-]	0.34	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Naphthalene	0.34	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Nickel	5.3	MG/KG	None
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Nitroaniline[2-]	1.7	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Nitroaniline[3-]	1.7	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Nitroaniline[4-]	0.68	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Nitrobenzene	0.34	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Nitrobenzene	0.091	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Nitrophenol[2-]	0.34	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Nitrophenol[4-]	1.7	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Nitroso-di-n-propylamine[N-]	0.34	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Nitrosodimethylamine[N-]	0.34	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Nitrosodiphenylamine[N-]	0.34	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Nitrotoluene[2-]	0.159	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Nitrotoluene[3-]	0.176	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Nitrotoluene[4-]	0.162	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Oxybis(1-chloropropane)[2,2'-]	0.34	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Pentachlorophenol	1.7	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Phenanthrene	0.34	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Phenol	0.34	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Potassium	520	MG/KG	None
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Propylbenzene[1-]	0.0052	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Pyrene	0.34	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	RDX	0.162	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Selenium	1	MG/KG	UJ
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Silver	2	MG/KG	U

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15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Sodium	120	MG/KG	None
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Styrene	0.0052	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Tetrachloroethane[1,1,1,2-]	0.0052	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Tetrachloroethane[1,1,2,2-]	0.0052	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Tetrachloroethene	0.0052	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Tetryl	0.093	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Thallium	1.3	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Toluene	0.0052	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.0052	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Trichlorobenzene[1,2,4-]	0.34	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Trichloroethane[1,1,1-]	0.0052	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Trichloroethane[1,1,2-]	0.0052	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Trichloroethene	0.0052	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Trichlorofluoromethane	0.0052	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Trichlorophenol[2,4,5-]	1.7	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Trichlorophenol[2,4,6-]	0.34	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Trichloropropane[1,2,3-]	0.0052	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Trimethylbenzene[1,2,4-]	0.0052	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Trimethylbenzene[1,3,5-]	0.0052	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Trinitrobenzene[1,3,5-]	0.081	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Trinitrotoluene[2,4,6-]	0.085	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Uranium-234	0.493	PCI/G	None
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Uranium-238	0.521	PCI/G	None
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Uranium235 + Uranium-236	0.008	PCI/G	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Vanadium	12	MG/KG	None
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Vinyl Chloride	0.01	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Xylene (Total)	0.0052	MG/KG	U
15-009(j)	15-2587	0215-97-0012	6-Aug-97	7.4	7.9	FT	Not Available	Zinc	15	MG/KG	None
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Acenaphthene	0.4	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Acenaphthylene	0.4	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Acetone	0.0042	MG/KG	J
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Aluminum	11100	MG/KG	None
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Amino-2,6-dinitrotoluene[4-]	0.25	MG/KG	U

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15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Amino-4,6-dinitrotoluene[2-]	0.25	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Aniline	0.8	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Anthracene	0.4	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Antimony	0.82	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Arsenic	4.3	MG/KG	None
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Azobenzene	0.8	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Barium	181	MG/KG	None
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Benzene	0.006	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Benzidine	0.4	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Benzo(a)anthracene	0.4	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Benzo(a)pyrene	0.4	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Benzo(b)fluoranthene	0.4	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Benzo(g,h,i)perylene	0.4	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Benzoic Acid	2	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Benzyl Alcohol	0.8	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Beryllium	1.2	MG/KG	None
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Bis(2-chloroethoxy)methane	0.4	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Bis(2-chloroethyl)ether	0.4	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Bis(2-ethylhexyl)phthalate	0.4	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Bromobenzene	0.006	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Bromochloromethane	0.006	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Bromodichloromethane	0.006	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Bromoform	0.006	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Bromomethane	0.012	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Bromophenyl-phenylether[4-]	0.4	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Butanone[2-]	0.024	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Butylbenzene[n-]	0.006	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Butylbenzene[sec-]	0.006	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Butylbenzene[tert-]	0.006	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Butylbenzylphthalate	0.4	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Cadmium	0.1	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Calcium	2540	MG/KG	None
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Carbazole	0.4	MG/KG	U

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15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Carbon Disulfide	0.006	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Carbon Tetrachloride	0.006	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Chloro-3-methylphenol[4-]	0.8	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Chloroaniline[4-]	0.8	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Chlorobenzene	0.006	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Chlorodibromomethane	0.006	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Chloroethane	0.012	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Chloroform	0.006	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Chloromethane	0.012	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Chloronaphthalene[2-]	0.4	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Chlorophenol[2-]	0.4	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Chlorophenyl-phenyl[4-] Ether	0.4	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Chlorotoluene[2-]	0.006	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Chlorotoluene[4-]	0.006	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Chromium, Total	8	MG/KG	None
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Chrysene	0.4	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Cobalt	6.2	MG/KG	None
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Copper	6.2	MG/KG	None
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Di-n-butylphthalate	0.4	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Di-n-octylphthalate	0.4	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Dibenz(a,h)anthracene	0.4	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Dibenzofuran	0.4	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Dibromo-3-chloropropane[1,2-]	0.012	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Dibromoethane[1,2-]	0.006	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Dibromomethane	0.006	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Dichlorobenzene[1,2-]	0.4	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Dichlorobenzene[1,2-]	0.006	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Dichlorobenzene[1,3-]	0.4	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Dichlorobenzene[1,3-]	0.006	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Dichlorobenzene[1,4-]	0.4	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Dichlorobenzene[1,4-]	0.006	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Dichlorobenzidine[3,3'-]	0.8	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Dichlorodifluoromethane	0.012	MG/KG	U

PRS 15-009(j) VCA ANALYTICAL DATA

PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	BEGIN DEPTH	END DEPTH	DEPTH UNITS	SAMPLE MEDIUM	ANALYTE NAME	STD SAMPLE RESULTS	STD REPORTING UNITS	RFI DATA VALIDATION QUALIFIER
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Dichloroethane[1,1-]	0.006	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Dichloroethane[1,2-]	0.006	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Dichloroethene[1,1-]	0.006	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Dichloroethene[cis-1,2-]	0.006	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Dichloroethene[trans-1,2-]	0.006	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Dichlorophenol[2,4-]	0.4	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Dichloropropane[1,2-]	0.006	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Dichloropropane[1,3-]	0.006	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Dichloropropane[2,2-]	0.006	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Dichloropropene[1,1-]	0.006	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Dichloropropene[cis-1,3-]	0.006	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Dichloropropene[trans-1,3-]	0.006	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Diethylphthalate	0.4	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Dimethyl Phthalate	0.4	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Dimethylphenol[2,4-]	0.4	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Dinitro-2-methylphenol[4,6-]	2	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Dinitrobenzene[1,3-]	0.25	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Dinitrophenol[2,4-]	2	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Dinitrotoluene[2,4-]	0.25	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Dinitrotoluene[2,4-]	0.4	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Dinitrotoluene[2,6-]	0.26	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Dinitrotoluene[2,6-]	0.4	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Ethylbenzene	0.006	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Fluoranthene	0.4	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Fluorene	0.4	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Hexachlorobenzene	0.4	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Hexachlorobutadiene	0.4	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Hexachlorobutadiene	0.006	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Hexachlorocyclopentadiene	0.4	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Hexachloroethane	0.4	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Hexanone[2-]	0.024	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	HMX	2.2	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Indeno(1,2,3-cd)pyrene	0.4	MG/KG	U

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15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Iodomethane	0.006	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Iron	13600	MG/KG	None
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Isophorone	0.4	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Isopropylbenzene	0.006	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Isopropyltoluene[4-]	0.006	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Lead	14	MG/KG	None
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Magnesium	2160	MG/KG	None
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Manganese	380	MG/KG	None
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Mercury	0.02	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Methyl-2-pentanone[4-]	0.024	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Methylene Chloride	0.11	MG/KG	None
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Methylnaphthalene[2-]	0.4	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Methylphenol[2-]	0.4	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Methylphenol[4-]	0.4	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Naphthalene	0.4	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Naphthalene	0.006	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Nickel	8.2	MG/KG	None
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Nitroaniline[2-]	2	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Nitroaniline[3-]	2	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Nitroaniline[4-]	0.8	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Nitrobenzene	0.26	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Nitrobenzene	0.4	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Nitrophenol[2-]	0.4	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Nitrophenol[4-]	2	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Nitroso-di-n-propylamine[N-]	0.4	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Nitrosodimethylamine[N-]	0.4	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Nitrosodiphenylamine[N-]	0.4	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Nitrotoluene[2-]	0.25	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Nitrotoluene[3-]	0.25	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Nitrotoluene[4-]	0.25	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Oxybis(1-chloropropane)[2,2'-]	0.4	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Pentachlorophenol	2	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Phenanthrene	0.4	MG/KG	U

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PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	BEGIN DEPTH	END DEPTH	DEPTH UNITS	SAMPLE MEDIUM	ANALYTE NAME	STD SAMPLE RESULTS	STD REPORTING UNITS	RFI DATA VALIDATION QUALIFIER
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Phenol	0.4	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Potassium	1880	MG/KG	None
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Propylbenzene[1-]	0.006	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Pyrene	0.4	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Pyridine	0.4	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	RDX	1	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Selenium	0.65	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Silver	0.29	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Sodium	150	MG/KG	None
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Styrene	0.006	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Tetrachloroethane[1,1,1,2-]	0.006	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Tetrachloroethane[1,1,2,2-]	0.006	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Tetrachloroethene	0.006	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Tetryl	0.65	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Thallium	0.53	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Toluene	0.006	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.006	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Trichlorobenzene[1,2,3-]	0.006	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Trichlorobenzene[1,2,4-]	0.4	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Trichlorobenzene[1,2,4-]	0.006	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Trichloroethane[1,1,1-]	0.006	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Trichloroethane[1,1,2-]	0.006	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Trichloroethene	0.006	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Trichlorofluoromethane	0.006	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Trichlorophenol[2,4,5-]	2	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Trichlorophenol[2,4,6-]	0.4	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Trichloropropane[1,2,3-]	0.006	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Trimethylbenzene[1,2,4-]	0.006	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Trimethylbenzene[1,3,5-]	0.006	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Trinitrobenzene[1,3,5-]	0.25	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Trinitrotoluene[2,4,6-]	0.25	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Uranium-234	0.824	PCI/G	None
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Uranium-235	0.04	PCI/G	U

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15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Uranium-238	0.96	PCI/G	None
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Vanadium	21.9	MG/KG	None
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Vinyl Chloride	0.012	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Xylene (Total)	0.006	MG/KG	U
15-009(j)	15-2588	0215-97-0013	11-Aug-97	3	3.5	FT	Not Available	Zinc	26.6	MG/KG	None
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Acenaphthene	0.36	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Acenaphthylene	0.36	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Acetone	0.022	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Aluminum	10400	MG/KG	None
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Amino-2,6-dinitrotoluene[4-]	0.25	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Amino-4,6-dinitrotoluene[2-]	0.25	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Aniline	0.72	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Anthracene	0.36	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Antimony	0.73	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Arsenic	3.4	MG/KG	None
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Azobenzene	0.72	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Barium	165	MG/KG	None
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Benzene	0.0054	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Benzidine	0.36	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Benzo(a)anthracene	0.36	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Benzo(a)pyrene	0.36	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Benzo(b)fluoranthene	0.36	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Benzo(g,h,i)perylene	0.36	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Benzoic Acid	1.8	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Benzyl Alcohol	0.72	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Beryllium	1.1	MG/KG	None
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Bis(2-chloroethoxy)methane	0.36	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Bis(2-chloroethyl)ether	0.36	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Bis(2-ethylhexyl)phthalate	1	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Bis(2-ethylhexyl)phthalate	1	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Bromobenzene	0.0054	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Bromochloromethane	0.0054	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Bromodichloromethane	0.0054	MG/KG	U

PRS 15-009(j) VCA ANALYTICAL DATA

PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	BEGIN DEPTH	END DEPTH	DEPTH UNITS	SAMPLE MEDIUM	ANALYTE NAME	STD SAMPLE RESULTS	STD REPORTING UNITS	RFI DATA VALIDATION QUALIFIER
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Bromoform	0.0054	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Bromomethane	0.011	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Bromophenyl-phenylether[4-]	0.36	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Butanone[2-]	0.022	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Butylbenzene[n-]	0.0054	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Butylbenzene[sec-]	0.0054	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Butylbenzene[tert-]	0.0054	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Butylbenzylphthalate	0.36	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Cadmium	0.09	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Calcium	2310	MG/KG	None
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Carbazole	0.36	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Carbon Disulfide	0.0054	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Carbon Tetrachloride	0.0054	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Chloro-3-methylphenol[4-]	0.72	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Chloroaniline[4-]	0.72	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Chlorobenzene	0.0054	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Chlorodibromomethane	0.0054	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Chloroethane	0.011	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Chloroform	0.0054	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Chloromethane	0.011	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Chloronaphthalene[2-]	0.36	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Chlorophenol[2-]	0.36	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Chlorophenyl-phenyl[4-] Ether	0.36	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Chlorotoluene[2-]	0.0054	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Chlorotoluene[4-]	0.0054	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Chromium, Total	6.9	MG/KG	None
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Chrysene	0.36	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Cobalt	5.7	MG/KG	None
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Copper	5.6	MG/KG	None
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Di-n-butylphthalate	0.36	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Di-n-octylphthalate	0.36	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Dibenz(a,h)anthracene	0.36	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Dibenzofuran	0.36	MG/KG	U

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PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	BEGIN DEPTH	END DEPTH	DEPTH UNITS	SAMPLE MEDIUM	ANALYTE NAME	STD SAMPLE RESULTS	STD REPORTING UNITS	RFI DATA VALIDATION QUALIFIER
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Dibromo-3-chloropropane[1,2-]	0.011	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Dibromoethane[1,2-]	0.0054	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Dibromomethane	0.0054	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Dichlorobenzene[1,2-]	0.36	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Dichlorobenzene[1,2-]	0.0054	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Dichlorobenzene[1,3-]	0.36	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Dichlorobenzene[1,3-]	0.0054	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Dichlorobenzene[1,4-]	0.36	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Dichlorobenzene[1,4-]	0.0054	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Dichlorobenzidine[3,3'-]	0.72	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Dichlorodifluoromethane	0.011	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Dichloroethane[1,1-]	0.0054	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Dichloroethane[1,2-]	0.0054	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Dichloroethene[1,1-]	0.0054	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Dichloroethene[cis-1,2-]	0.0054	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Dichloroethene[trans-1,2-]	0.0054	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Dichlorophenol[2,4-]	0.36	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Dichloropropane[1,2-]	0.0054	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Dichloropropane[1,3-]	0.0054	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Dichloropropane[2,2-]	0.0054	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Dichloropropene[1,1-]	0.0054	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Dichloropropene[cis-1,3-]	0.0054	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Dichloropropene[trans-1,3-]	0.0054	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Diethylphthalate	0.36	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Dimethyl Phthalate	0.36	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Dimethylphenol[2,4-]	0.36	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Dinitro-2-methylphenol[4,6-]	1.8	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Dinitrobenzene[1,3-]	0.25	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Dinitrophenol[2,4-]	1.8	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Dinitrotoluene[2,4-]	0.25	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Dinitrotoluene[2,4-]	0.36	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Dinitrotoluene[2,6-]	0.26	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Dinitrotoluene[2,6-]	0.36	MG/KG	U

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PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	BEGIN DEPTH	END DEPTH	DEPTH UNITS	SAMPLE MEDIUM	ANALYTE NAME	STD SAMPLE RESULTS	STD REPORTING UNITS	RFI DATA VALIDATION QUALIFIER
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Ethylbenzene	0.0054	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Fluoranthene	0.36	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Fluorene	0.36	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Hexachlorobenzene	0.36	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Hexachlorobutadiene	0.36	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Hexachlorobutadiene	0.0054	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Hexachlorocyclopentadiene	0.36	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Hexachloroethane	0.36	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Hexanone[2-]	0.022	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	HMX	2.2	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Indeno(1,2,3-cd)pyrene	0.36	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Iodomethane	0.0054	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Iron	12000	MG/KG	None
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Isophorone	0.36	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Isopropylbenzene	0.0054	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Isopropyltoluene[4-]	0.0054	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Lead	12.5	MG/KG	None
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Magnesium	1910	MG/KG	None
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Manganese	337	MG/KG	None
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Mercury	0.02	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Methyl-2-pentanone[4-]	0.022	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Methylene Chloride	0.079	MG/KG	None
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Methylnaphthalene[2-]	0.36	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Methylphenol[2-]	0.36	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Methylphenol[4-]	0.36	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Naphthalene	0.36	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Naphthalene	0.0054	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Nickel	7	MG/KG	None
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Nitroaniline[2-]	1.8	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Nitroaniline[3-]	1.8	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Nitroaniline[4-]	0.72	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Nitrobenzene	0.26	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Nitrobenzene	0.36	MG/KG	U

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PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	BEGIN DEPTH	END DEPTH	DEPTH UNITS	SAMPLE MEDIUM	ANALYTE NAME	STD SAMPLE RESULTS	STD REPORTING UNITS	RFI DATA VALIDATION QUALIFIER
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Nitrophenol[2-]	0.36	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Nitrophenol[4-]	1.8	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Nitroso-di-n-propylamine[N-]	0.36	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Nitrosodimethylamine[N-]	0.36	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Nitrosodiphenylamine[N-]	0.36	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Nitrotoluene[2-]	0.25	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Nitrotoluene[3-]	0.25	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Nitrotoluene[4-]	0.25	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Oxybis(1-chloropropane)[2,2'-]	0.36	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Pentachlorophenol	1.8	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Phenanthrene	0.36	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Phenol	0.36	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Potassium	1700	MG/KG	None
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Propylbenzene[1-]	0.0054	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Pyrene	0.36	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Pyridine	0.36	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	RDX	1	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Selenium	0.58	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Silver	0.26	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Sodium	129	MG/KG	None
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Styrene	0.0054	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Tetrachloroethane[1,1,1,2-]	0.0054	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Tetrachloroethane[1,1,2,2-]	0.0054	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Tetrachloroethene	0.0054	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Tetryl	0.65	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Thallium	0.47	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Toluene	0.0054	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.0054	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Trichlorobenzene[1,2,3-]	0.0054	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Trichlorobenzene[1,2,4-]	0.36	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Trichlorobenzene[1,2,4-]	0.0054	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Trichloroethane[1,1,1-]	0.0054	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Trichloroethane[1,1,2-]	0.0054	MG/KG	U

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PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	BEGIN DEPTH	END DEPTH	DEPTH UNITS	SAMPLE MEDIUM	ANALYTE NAME	STD SAMPLE RESULTS	STD REPORTING UNITS	RFI DATA VALIDATION QUALIFIER
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Trichloroethene	0.0054	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Trichlorofluoromethane	0.0054	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Trichlorophenol[2,4,5-]	1.8	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Trichlorophenol[2,4,6-]	0.36	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Trichloropropane[1,2,3-]	0.0054	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Trimethylbenzene[1,2,4-]	0.0054	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Trimethylbenzene[1,3,5-]	0.0054	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Trinitrobenzene[1,3,5-]	0.25	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Trinitrotoluene[2,4,6-]	0.25	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Uranium-234	0.843	PCI/G	None
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Uranium-235	0.058	PCI/G	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Uranium-238	0.778	PCI/G	None
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Vanadium	19	MG/KG	None
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Vinyl Chloride	0.011	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Xylene (Total)	0.0054	MG/KG	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	3	3.5	FT	Not Available	Zinc	24.2	MG/KG	None
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Acenaphthene	0.37	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Acenaphthylene	0.37	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Acetone	0.0054	MG/KG	J
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Aluminum	835	MG/KG	None
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Amino-2,6-dinitrotoluene[4-]	0.25	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Amino-4,6-dinitrotoluene[2-]	0.25	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Aniline	0.75	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Anthracene	0.37	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Antimony	0.76	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Arsenic	1.6	MG/KG	None
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Azobenzene	0.75	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Barium	9	MG/KG	None
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Benzene	0.0056	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Benzidine	0.37	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Benzo(a)anthracene	0.37	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Benzo(a)pyrene	0.37	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Benzo(b)fluoranthene	0.37	MG/KG	U

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15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Benzo(g,h,i)perylene	0.37	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Benzoic Acid	1.9	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Benzyl Alcohol	0.75	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Beryllium	0.39	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Bis(2-chloroethoxy)methane	0.37	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Bis(2-chloroethyl)ether	0.37	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Bis(2-ethylhexyl)phthalate	0.19	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Bromobenzene	0.0056	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Bromochloromethane	0.0056	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Bromodichloromethane	0.0056	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Bromoform	0.0056	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Bromomethane	0.011	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Bromophenyl-phenylether[4-]	0.37	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Butanone[2-]	0.022	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Butylbenzene[n-]	0.0056	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Butylbenzene[sec-]	0.0056	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Butylbenzene[tert-]	0.0056	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Butylbenzylphthalate	0.37	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Cadmium	0.09	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Calcium	638	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Carbazole	0.37	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Carbon Disulfide	0.0056	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Carbon Tetrachloride	0.0056	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Chloro-3-methylphenol[4-]	0.75	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Chloroaniline[4-]	0.75	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Chlorobenzene	0.0056	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Chlorodibromomethane	0.0056	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Chloroethane	0.011	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Chloroform	0.0056	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Chloromethane	0.011	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Chloronaphthalene[2-]	0.37	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Chlorophenol[2-]	0.37	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Chlorophenyl-phenyl[4-] Ether	0.37	MG/KG	U

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15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Chlorotoluene[2-]	0.0056	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Chlorotoluene[4-]	0.0056	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Chromium, Total	2.5	MG/KG	None
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Chrysene	0.37	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Cobalt	1	MG/KG	None
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Copper	0.75	MG/KG	None
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Di-n-butylphthalate	0.37	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Di-n-octylphthalate	0.37	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Dibenz(a,h)anthracene	0.37	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Dibenzofuran	0.37	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Dibromo-3-chloropropane[1,2-]	0.011	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Dibromoethane[1,2-]	0.0056	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Dibromomethane	0.0056	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Dichlorobenzene[1,2-]	0.37	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Dichlorobenzene[1,2-]	0.0056	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Dichlorobenzene[1,3-]	0.37	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Dichlorobenzene[1,3-]	0.0056	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Dichlorobenzene[1,4-]	0.37	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Dichlorobenzene[1,4-]	0.0056	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Dichlorobenzidine[3,3'-]	0.75	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Dichlorodifluoromethane	0.011	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Dichloroethane[1,1-]	0.0056	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Dichloroethane[1,2-]	0.0056	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Dichloroethene[1,1-]	0.0056	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Dichloroethene[cis-1,2-]	0.0056	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Dichloroethene[trans-1,2-]	0.0056	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Dichlorophenol[2,4-]	0.37	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Dichloropropane[1,2-]	0.0056	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Dichloropropane[1,3-]	0.0056	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Dichloropropane[2,2-]	0.0056	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Dichloropropene[1,1-]	0.0056	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Dichloropropene[cis-1,3-]	0.0056	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Dichloropropene[trans-1,3-]	0.0056	MG/KG	U

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15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Diethylphthalate	0.37	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Dimethyl Phthalate	0.37	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Dimethylphenol[2,4-]	0.37	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Dinitro-2-methylphenol[4,6-]	1.9	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Dinitrobenzene[1,3-]	0.25	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Dinitrophenol[2,4-]	1.9	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Dinitrotoluene[2,4-]	0.25	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Dinitrotoluene[2,4-]	0.37	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Dinitrotoluene[2,6-]	0.26	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Dinitrotoluene[2,6-]	0.37	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Ethylbenzene	0.0056	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Fluoranthene	0.37	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Fluorene	0.37	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Hexachlorobenzene	0.37	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Hexachlorobutadiene	0.37	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Hexachlorobutadiene	0.0056	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Hexachlorocyclopentadiene	0.37	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Hexachloroethane	0.37	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Hexanone[2-]	0.022	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	HMX	2.2	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Indeno(1,2,3-cd)pyrene	0.37	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Iodomethane	0.0056	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Iron	4270	MG/KG	None
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Isophorone	0.37	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Isopropylbenzene	0.0056	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Isopropyltoluene[4-]	0.0056	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Lead	1.5	MG/KG	None
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Magnesium	455	MG/KG	None
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Manganese	85.9	MG/KG	None
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Mercury	0.02	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Methyl-2-pentanone[4-]	0.022	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Methylene Chloride	0.065	MG/KG	None
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Methylnaphthalene[2-]	0.37	MG/KG	U

PRS 15-009(j) VCA ANALYTICAL DATA

PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	BEGIN DEPTH	END DEPTH	DEPTH UNITS	SAMPLE MEDIUM	ANALYTE NAME	STD SAMPLE RESULTS	STD REPORTING UNITS	RFI DATA VALIDATION QUALIFIER
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Methylphenol[2-]	0.37	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Methylphenol[4-]	0.37	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Naphthalene	0.37	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Naphthalene	0.0056	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Nickel	2	MG/KG	None
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Nitroaniline[2-]	1.9	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Nitroaniline[3-]	1.9	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Nitroaniline[4-]	0.75	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Nitrobenzene	0.26	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Nitrobenzene	0.37	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Nitrophenol[2-]	0.37	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Nitrophenol[4-]	1.9	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Nitroso-di-n-propylamine[N-]	0.37	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Nitrosodimethylamine[N-]	0.37	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Nitrosodiphenylamine[N-]	0.37	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Nitrotoluene[2-]	0.25	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Nitrotoluene[3-]	0.25	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Nitrotoluene[4-]	0.25	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Oxybis(1-chloropropane)[2,2'-]	0.37	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Pentachlorophenol	1.9	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Phenanthrene	0.37	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Phenol	0.37	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Potassium	443	MG/KG	None
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Propylbenzene[1-]	0.0056	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Pyrene	0.37	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Pyridine	0.37	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	RDX	1	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Selenium	0.61	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Silver	0.27	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Sodium	266	MG/KG	None
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Styrene	0.0056	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Tetrachloroethane[1,1,1,2-]	0.0056	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Tetrachloroethane[1,1,2,2-]	0.0056	MG/KG	U

PRS 15-009(j) VCA ANALYTICAL DATA

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15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Tetrachloroethene	0.0056	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Tetryl	0.65	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Thallium	0.49	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Toluene	0.0056	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.0056	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Trichlorobenzene[1,2,3-]	0.0056	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Trichlorobenzene[1,2,4-]	0.37	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Trichlorobenzene[1,2,4-]	0.0056	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Trichloroethane[1,1,1-]	0.0056	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Trichloroethane[1,1,2-]	0.0056	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Trichloroethene	0.0056	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Trichlorofluoromethane	0.0056	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Trichlorophenol[2,4,5-]	1.9	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Trichlorophenol[2,4,6-]	0.37	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Trichloropropane[1,2,3-]	0.0056	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Trimethylbenzene[1,2,4-]	0.0056	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Trimethylbenzene[1,3,5-]	0.0056	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Trinitrobenzene[1,3,5-]	0.25	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Trinitrotoluene[2,4,6-]	0.25	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Uranium-234	0.333	PCI/G	None
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Uranium-235	0.017	PCI/G	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Uranium-238	0.26	PCI/G	None
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Vanadium	2	MG/KG	None
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Vinyl Chloride	0.011	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Xylene (Total)	0.0056	MG/KG	U
15-009(j)	15-2590	0215-97-0015	11-Aug-97	20	20.5	FT	Not Available	Zinc	17	MG/KG	None
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Acenaphthene	0.35	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Acenaphthylene	0.35	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Acetone	0.0077	MG/KG	J
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Aluminum	318	MG/KG	None
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Amino-2,6-dinitrotoluene[4-]	0.25	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Amino-4,6-dinitrotoluene[2-]	0.25	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Aniline	0.7	MG/KG	U

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15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Anthracene	0.35	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Antimony	0.72	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Arsenic	1.5	MG/KG	None
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Azobenzene	0.7	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Barium	6.9	MG/KG	None
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Benzene	0.0053	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Benzidine	0.35	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Benzo(a)anthracene	0.35	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Benzo(a)pyrene	0.35	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Benzo(b)fluoranthene	0.35	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Benzo(g,h,i)perylene	0.35	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Benzoic Acid	1.8	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Benzyl Alcohol	0.7	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Beryllium	0.3	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Bis(2-chloroethoxy)methane	0.35	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Bis(2-chloroethyl)ether	0.35	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Bis(2-ethylhexyl)phthalate	0.35	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Bromobenzene	0.0053	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Bromochloromethane	0.0053	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Bromodichloromethane	0.0053	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Bromoform	0.0053	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Bromomethane	0.011	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Bromophenyl-phenylether[4-]	0.35	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Butanone[2-]	0.021	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Butylbenzene[n-]	0.0053	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Butylbenzene[sec-]	0.0053	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Butylbenzene[tert-]	0.0053	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Butylbenzylphthalate	0.35	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Cadmium	0.08	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Calcium	238	MG/KG	None
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Carbazole	0.35	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Carbon Disulfide	0.0053	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Carbon Tetrachloride	0.0053	MG/KG	U

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15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Chloro-3-methylphenol[4-]	0.7	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Chloroaniline[4-]	0.7	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Chlorobenzene	0.0053	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Chlorodibromomethane	0.0053	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Chloroethane	0.011	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Chloroform	0.0053	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Chloromethane	0.011	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Chloronaphthalene[2-]	0.35	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Chlorophenol[2-]	0.35	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Chlorophenyl-phenyl[4-] Ether	0.35	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Chlorotoluene[2-]	0.0053	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Chlorotoluene[4-]	0.0053	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Chromium, Total	0.74	MG/KG	None
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Chrysene	0.35	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Cobalt	0.69	MG/KG	None
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Copper	0.31	MG/KG	None
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Di-n-butylphthalate	0.35	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Di-n-octylphthalate	0.35	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Dibenz(a,h)anthracene	0.35	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Dibenzofuran	0.35	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Dibromo-3-chloropropane[1,2-]	0.011	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Dibromoethane[1,2-]	0.0053	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Dibromomethane	0.0053	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Dichlorobenzene[1,2-]	0.35	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Dichlorobenzene[1,2-]	0.0053	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Dichlorobenzene[1,3-]	0.35	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Dichlorobenzene[1,3-]	0.0053	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Dichlorobenzene[1,4-]	0.35	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Dichlorobenzene[1,4-]	0.0053	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Dichlorobenzidine[3,3'-]	0.7	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Dichlorodifluoromethane	0.011	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Dichloroethane[1,1-]	0.0053	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Dichloroethane[1,2-]	0.0053	MG/KG	U

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15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Dichloroethene[1,1-]	0.0053	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Dichloroethene[cis-1,2-]	0.0053	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Dichloroethene[trans-1,2-]	0.0053	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Dichlorophenol[2,4-]	0.35	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Dichloropropane[1,2-]	0.0053	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Dichloropropane[1,3-]	0.0053	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Dichloropropane[2,2-]	0.0053	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Dichloropropene[1,1-]	0.0053	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Dichloropropene[cis-1,3-]	0.0053	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Dichloropropene[trans-1,3-]	0.0053	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Diethylphthalate	0.35	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Dimethyl Phthalate	0.35	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Dimethylphenol[2,4-]	0.35	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Dinitro-2-methylphenol[4,6-]	1.8	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Dinitrobenzene[1,3-]	0.25	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Dinitrophenol[2,4-]	1.8	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Dinitrotoluene[2,4-]	0.25	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Dinitrotoluene[2,4-]	0.35	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Dinitrotoluene[2,6-]	0.26	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Dinitrotoluene[2,6-]	0.35	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Ethylbenzene	0.0053	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Fluoranthene	0.35	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Fluorene	0.35	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Hexachlorobenzene	0.35	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Hexachlorobutadiene	0.35	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Hexachlorobutadiene	0.0053	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Hexachlorocyclopentadiene	0.35	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Hexachloroethane	0.35	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Hexanone[2-]	0.021	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	HMX	2.2	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Indeno(1,2,3-cd)pyrene	0.35	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Iodomethane	0.0053	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Iron	5020	MG/KG	None

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PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	BEGIN DEPTH	END DEPTH	DEPTH UNITS	SAMPLE MEDIUM	ANALYTE NAME	STD SAMPLE RESULTS	STD REPORTING UNITS	RFI DATA VALIDATION QUALIFIER
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Isophorone	0.35	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Isopropylbenzene	0.0053	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Isopropyltoluene[4-]	0.0053	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Lead	1.4	MG/KG	None
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Magnesium	106	MG/KG	None
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Manganese	129	MG/KG	J-
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Mercury	0.02	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Methyl-2-pentanone[4-]	0.021	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Methylene Chloride	0.003	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Methylnaphthalene[2-]	0.35	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Methylphenol[2-]	0.35	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Methylphenol[4-]	0.35	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Naphthalene	0.35	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Naphthalene	0.0053	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Nickel	0.6	MG/KG	None
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Nitroaniline[2-]	1.8	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Nitroaniline[3-]	1.8	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Nitroaniline[4-]	0.7	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Nitrobenzene	0.26	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Nitrobenzene	0.35	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Nitrophenol[2-]	0.35	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Nitrophenol[4-]	1.8	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Nitroso-di-n-propylamine[N-]	0.35	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Nitrosodimethylamine[N-]	0.35	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Nitrosodiphenylamine[N-]	0.35	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Nitrotoluene[2-]	0.25	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Nitrotoluene[3-]	0.25	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Nitrotoluene[4-]	0.25	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Oxybis(1-chloropropane)[2,2'-]	0.35	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Pentachlorophenol	1.8	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Phenanthrene	0.35	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Phenol	0.35	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Potassium	192	MG/KG	None

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15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Propylbenzene[1-]	0.0053	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Pyrene	0.35	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Pyridine	0.35	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	RDX	1	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Selenium	0.57	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Silver	0.25	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Sodium	141	MG/KG	None
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Styrene	0.0053	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Tetrachloroethane[1,1,1,2-]	0.0053	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Tetrachloroethane[1,1,2,2-]	0.0053	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Tetrachloroethene	0.0053	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Tetryl	0.65	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Thallium	1.2	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Toluene	0.0053	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.0053	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Trichlorobenzene[1,2,3-]	0.0053	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Trichlorobenzene[1,2,4-]	0.35	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Trichlorobenzene[1,2,4-]	0.0053	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Trichloroethane[1,1,1-]	0.0053	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Trichloroethane[1,1,2-]	0.0053	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Trichloroethene	0.0053	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Trichlorofluoromethane	0.0053	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Trichlorophenol[2,4,5-]	1.8	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Trichlorophenol[2,4,6-]	0.35	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Trichloropropane[1,2,3-]	0.0053	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Trimethylbenzene[1,2,4-]	0.0053	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Trimethylbenzene[1,3,5-]	0.0053	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Trinitrobenzene[1,3,5-]	0.25	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Trinitrotoluene[2,4,6-]	0.25	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Uranium-234	1.63	PCI/G	None
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Uranium-235	-0.08	PCI/G	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Uranium-238	0.86	PCI/G	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Vanadium	2	MG/KG	None

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15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Vinyl Chloride	0.011	MG/KG	None
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Xylene (Total)	0.0106	MG/KG	U
15-009(j)	15-2590	0215-97-0016	12-Aug-97	59	59.5	FT	Not Available	Zinc	25.2	MG/KG	None
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Acenaphthene	0.37	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Acenaphthylene	0.37	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Acetone	0.0089	MG/KG	J
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Aluminum	17200	MG/KG	None
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Amino-2,6-dinitrotoluene[4-]	0.25	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Amino-4,6-dinitrotoluene[2-]	0.25	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Aniline	0.74	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Anthracene	0.37	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Antimony	0.75	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Arsenic	4.6	MG/KG	None
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Azobenzene	0.74	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Barium	206	MG/KG	None
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Benzene	0.0055	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Benzidine	0.37	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Benzo(a)anthracene	0.37	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Benzo(a)pyrene	0.37	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Benzo(b)fluoranthene	0.37	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Benzo(g,h,i)perylene	0.37	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Benzoic Acid	1.8	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Benzyl Alcohol	0.74	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Beryllium	1.5	MG/KG	None
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Bis(2-chloroethoxy)methane	0.37	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Bis(2-chloroethyl)ether	0.37	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Bis(2-ethylhexyl)phthalate	0.37	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Bromobenzene	0.0055	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Bromochloromethane	0.0055	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Bromodichloromethane	0.0055	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Bromoform	0.0055	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Bromomethane	0.011	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Bromophenyl-phenylether[4-]	0.37	MG/KG	U

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PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	BEGIN DEPTH	END DEPTH	DEPTH UNITS	SAMPLE MEDIUM	ANALYTE NAME	STD SAMPLE RESULTS	STD REPORTING UNITS	RFI DATA VALIDATION QUALIFIER
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Butanone[2-]	0.022	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Butylbenzene[n-]	0.0055	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Butylbenzene[sec-]	0.0055	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Butylbenzene[tert-]	0.0055	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Butylbenzylphthalate	0.37	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Cadmium	0.09	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Calcium	2780	MG/KG	None
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Carbazole	0.37	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Carbon Disulfide	0.0055	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Carbon Tetrachloride	0.0055	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Chloro-3-methylphenol[4-]	0.74	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Chloroaniline[4-]	0.74	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Chlorobenzene	0.0055	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Chlorodibromomethane	0.0055	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Chloroethane	0.011	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Chloroform	0.0055	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Chloromethane	0.011	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Chloronaphthalene[2-]	0.37	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Chlorophenol[2-]	0.37	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Chlorophenyl-phenyl[4-] Ether	0.37	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Chlorotoluene[2-]	0.0055	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Chlorotoluene[4-]	0.0055	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Chromium, Total	9.2	MG/KG	None
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Chrysene	0.37	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Cobalt	6	MG/KG	None
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Copper	7.3	MG/KG	None
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Di-n-butylphthalate	0.37	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Di-n-octylphthalate	0.37	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Dibenz(a,h)anthracene	0.37	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Dibenzofuran	0.37	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Dibromo-3-chloropropane[1,2-]	0.011	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Dibromoethane[1,2-]	0.0055	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Dibromomethane	0.0055	MG/KG	U

PRS 15-009(j) VCA ANALYTICAL DATA

PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	BEGIN DEPTH	END DEPTH	DEPTH UNITS	SAMPLE MEDIUM	ANALYTE NAME	STD SAMPLE RESULTS	STD REPORTING UNITS	RFI DATA VALIDATION QUALIFIER
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Dichlorobenzene[1,2-]	0.37	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Dichlorobenzene[1,2-]	0.0055	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Dichlorobenzene[1,3-]	0.37	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Dichlorobenzene[1,3-]	0.0055	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Dichlorobenzene[1,4-]	0.37	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Dichlorobenzene[1,4-]	0.0055	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Dichlorobenzidine[3,3'-]	0.74	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Dichlorodifluoromethane	0.011	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Dichloroethane[1,1-]	0.0055	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Dichloroethane[1,2-]	0.0055	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Dichloroethene[1,1-]	0.0055	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Dichloroethene[cis-1,2-]	0.0055	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Dichloroethene[trans-1,2-]	0.0055	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Dichlorophenol[2,4-]	0.37	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Dichloropropane[1,2-]	0.0055	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Dichloropropane[1,3-]	0.0055	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Dichloropropane[2,2-]	0.0055	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Dichloropropene[1,1-]	0.0055	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Dichloropropene[cis-1,3-]	0.0055	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Dichloropropene[trans-1,3-]	0.0055	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Diethylphthalate	0.37	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Dimethyl Phthalate	0.37	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Dimethylphenol[2,4-]	0.37	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Dinitro-2-methylphenol[4,6-]	1.8	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Dinitrobenzene[1,3-]	0.25	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Dinitrophenol[2,4-]	1.8	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Dinitrotoluene[2,4-]	0.25	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Dinitrotoluene[2,4-]	0.37	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Dinitrotoluene[2,6-]	0.26	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Dinitrotoluene[2,6-]	0.37	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Ethylbenzene	0.0055	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Fluoranthene	0.37	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Fluorene	0.37	MG/KG	U

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15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Hexachlorobenzene	0.37	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Hexachlorobutadiene	0.37	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Hexachlorobutadiene	0.0055	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Hexachlorocyclopentadiene	0.37	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Hexachloroethane	0.37	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Hexanone[2-]	0.022	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	HMX	2.2	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Indeno(1,2,3-cd)pyrene	0.37	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Iodomethane	0.0055	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Iron	15400	MG/KG	None
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Isophorone	0.37	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Isopropylbenzene	0.0055	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Isopropyltoluene[4-]	0.0055	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Lead	13.3	MG/KG	None
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Magnesium	2630	MG/KG	None
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Manganese	322	MG/KG	J-
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Mercury	0.02	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Methyl-2-pentanone[4-]	0.022	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Methylene Chloride	0.0057	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Methylnaphthalene[2-]	0.37	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Methylphenol[2-]	0.37	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Methylphenol[4-]	0.37	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Naphthalene	0.37	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Naphthalene	0.0055	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Nickel	9.1	MG/KG	None
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Nitroaniline[2-]	1.8	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Nitroaniline[3-]	1.8	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Nitroaniline[4-]	0.74	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Nitrobenzene	0.26	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Nitrobenzene	0.37	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Nitrophenol[2-]	0.37	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Nitrophenol[4-]	1.8	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Nitroso-di-n-propylamine[N-]	0.37	MG/KG	U

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PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	BEGIN DEPTH	END DEPTH	DEPTH UNITS	SAMPLE MEDIUM	ANALYTE NAME	STD SAMPLE RESULTS	STD REPORTING UNITS	RFI DATA VALIDATION QUALIFIER
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Nitrosodimethylamine[N-]	0.37	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Nitrosodiphenylamine[N-]	0.37	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Nitrotoluene[2-]	0.25	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Nitrotoluene[3-]	0.25	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Nitrotoluene[4-]	0.25	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Oxybis(1-chloropropane)[2,2'-]	0.37	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Pentachlorophenol	1.8	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Phenanthrene	0.37	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Phenol	0.37	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Potassium	2260	MG/KG	None
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Propylbenzene[1-]	0.0055	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Pyrene	0.37	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Pyridine	0.37	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	RDX	1	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Selenium	0.6	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Silver	0.27	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Sodium	162	MG/KG	None
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Styrene	0.0055	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Tetrachloroethane[1,1,1,2-]	0.0055	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Tetrachloroethane[1,1,2,2-]	0.0055	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Tetrachloroethene	0.0055	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Tetryl	0.65	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Thallium	1.6	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Toluene	0.0055	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.0055	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Trichlorobenzene[1,2,3-]	0.0055	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Trichlorobenzene[1,2,4-]	0.37	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Trichlorobenzene[1,2,4-]	0.0055	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Trichloroethane[1,1,1-]	0.0055	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Trichloroethane[1,1,2-]	0.0055	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Trichloroethene	0.0055	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Trichlorofluoromethane	0.0055	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Trichlorophenol[2,4,5-]	1.8	MG/KG	U

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PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	BEGIN DEPTH	END DEPTH	DEPTH UNITS	SAMPLE MEDIUM	ANALYTE NAME	STD SAMPLE RESULTS	STD REPORTING UNITS	RFI DATA VALIDATION QUALIFIER
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Trichlorophenol[2,4,6-]	0.37	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Trichloropropane[1,2,3-]	0.0055	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Trimethylbenzene[1,2,4-]	0.0055	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Trimethylbenzene[1,3,5-]	0.0055	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Trinitrobenzene[1,3,5-]	0.25	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Trinitrotoluene[2,4,6-]	0.25	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Uranium-234	0.66	PCI/G	None
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Uranium-235	0.53	PCI/G	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Uranium-238	1.48	PCI/G	None
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Vanadium	23.5	MG/KG	None
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Vinyl Chloride	0.011	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Xylene (Total)	0.011	MG/KG	U
15-009(j)	15-2589	0215-97-0017	12-Aug-97	3	3.5	FT	Not Available	Zinc	36.1	MG/KG	None
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Acenaphthene	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Acenaphthylene	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Acetone	0.013	MG/KG	J
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Aluminum	1120	MG/KG	None
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Amino-2,6-dinitrotoluene[4-]	0.25	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Amino-4,6-dinitrotoluene[2-]	0.25	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Aniline	0.73	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Anthracene	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Antimony	0.75	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Arsenic	1.8	MG/KG	None
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Azobenzene	0.73	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Barium	17.7	MG/KG	None
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Benzene	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Benzidine	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Benzo(a)anthracene	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Benzo(a)pyrene	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Benzo(b)fluoranthene	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Benzo(g,h,i)perylene	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Benzoic Acid	1.8	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Benzyl Alcohol	0.73	MG/KG	U

PRS 15-009(j) VCA ANALYTICAL DATA

PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	BEGIN DEPTH	END DEPTH	DEPTH UNITS	SAMPLE MEDIUM	ANALYTE NAME	STD SAMPLE RESULTS	STD REPORTING UNITS	RFI DATA VALIDATION QUALIFIER
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Beryllium	0.4	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Bis(2-chloroethoxy)methane	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Bis(2-chloroethyl)ether	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Bis(2-ethylhexyl)phthalate	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Bromobenzene	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Bromochloromethane	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Bromodichloromethane	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Bromoform	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Bromomethane	0.011	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Bromophenyl-phenylether[4-]	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Butanone[2-]	0.022	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Butylbenzene[n-]	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Butylbenzene[sec-]	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Butylbenzene[tert-]	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Butylbenzylphthalate	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Cadmium	0.09	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Calcium	709	MG/KG	None
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Carbazole	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Carbon Disulfide	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Carbon Tetrachloride	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Chloro-3-methylphenol[4-]	0.73	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Chloroaniline[4-]	0.73	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Chlorobenzene	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Chlorodibromomethane	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Chloroethane	0.011	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Chloroform	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Chloromethane	0.011	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Chloronaphthalene[2-]	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Chlorophenol[2-]	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Chlorophenyl-phenyl[4-] Ether	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Chlorotoluene[2-]	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Chlorotoluene[4-]	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Chromium, Total	5.9	MG/KG	None

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15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Chrysene	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Cobalt	1.1	MG/KG	None
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Copper	1	MG/KG	None
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Di-n-butylphthalate	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Di-n-octylphthalate	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Dibenz(a,h)anthracene	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Dibenzofuran	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Dibromo-3-chloropropane[1,2-]	0.011	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Dibromoethane[1,2-]	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Dibromomethane	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Dichlorobenzene[1,2-]	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Dichlorobenzene[1,2-]	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Dichlorobenzene[1,3-]	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Dichlorobenzene[1,3-]	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Dichlorobenzene[1,4-]	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Dichlorobenzene[1,4-]	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Dichlorobenzidine[3,3'-]	0.73	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Dichlorodifluoromethane	0.011	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Dichloroethane[1,1-]	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Dichloroethane[1,2-]	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Dichloroethene[1,1-]	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Dichloroethene[cis-1,2-]	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Dichloroethene[trans-1,2-]	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Dichlorophenol[2,4-]	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Dichloropropane[1,2-]	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Dichloropropane[1,3-]	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Dichloropropane[2,2-]	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Dichloropropene[1,1-]	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Dichloropropene[cis-1,3-]	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Dichloropropene[trans-1,3-]	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Diethylphthalate	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Dimethyl Phthalate	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Dimethylphenol[2,4-]	0.37	MG/KG	U

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PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	BEGIN DEPTH	END DEPTH	DEPTH UNITS	SAMPLE MEDIUM	ANALYTE NAME	STD SAMPLE RESULTS	STD REPORTING UNITS	RFI DATA VALIDATION QUALIFIER
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Dinitro-2-methylphenol[4,6-]	1.8	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Dinitrobenzene[1,3-]	0.25	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Dinitrophenol[2,4-]	1.8	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Dinitrotoluene[2,4-]	0.25	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Dinitrotoluene[2,4-]	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Dinitrotoluene[2,6-]	0.26	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Dinitrotoluene[2,6-]	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Ethylbenzene	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Fluoranthene	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Fluorene	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Hexachlorobenzene	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Hexachlorobutadiene	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Hexachlorobutadiene	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Hexachlorocyclopentadiene	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Hexachloroethane	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Hexanone[2-]	0.022	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	HMX	2.2	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Indeno(1,2,3-cd)pyrene	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Iodomethane	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Iron	3580	MG/KG	None
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Isophorone	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Isopropylbenzene	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Isopropyltoluene[4-]	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Lead	1.8	MG/KG	None
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Magnesium	556	MG/KG	None
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Manganese	182	MG/KG	J-
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Mercury	0.02	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Methyl-2-pentanone[4-]	0.022	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Methylene Chloride	0.0059	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Methylnaphthalene[2-]	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Methylphenol[2-]	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Methylphenol[4-]	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Naphthalene	0.37	MG/KG	U

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PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	BEGIN DEPTH	END DEPTH	DEPTH UNITS	SAMPLE MEDIUM	ANALYTE NAME	STD SAMPLE RESULTS	STD REPORTING UNITS	RFI DATA VALIDATION QUALIFIER
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Naphthalene	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Nickel	4.5	MG/KG	None
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Nitroaniline[2-]	1.8	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Nitroaniline[3-]	1.8	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Nitroaniline[4-]	0.73	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Nitrobenzene	0.26	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Nitrobenzene	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Nitrophenol[2-]	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Nitrophenol[4-]	1.8	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Nitroso-di-n-propylamine[N-]	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Nitrosodimethylamine[N-]	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Nitrosodiphenylamine[N-]	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Nitrotoluene[2-]	0.25	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Nitrotoluene[3-]	0.25	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Nitrotoluene[4-]	0.25	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Oxybis(1-chloropropane)[2,2'-]	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Pentachlorophenol	1.8	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Phenanthrene	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Phenol	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Potassium	590	MG/KG	None
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Propylbenzene[1-]	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Pyrene	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Pyridine	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	RDX	1	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Selenium	0.59	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Silver	0.26	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Sodium	430	MG/KG	None
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Styrene	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Tetrachloroethane[1,1,1,2-]	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Tetrachloroethane[1,1,2,2-]	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Tetrachloroethene	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Tetryl	0.65	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Thallium	0.97	MG/KG	U

PRS 15-009(j) VCA ANALYTICAL DATA

PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	BEGIN DEPTH	END DEPTH	DEPTH UNITS	SAMPLE MEDIUM	ANALYTE NAME	STD SAMPLE RESULTS	STD REPORTING UNITS	RFI DATA VALIDATION QUALIFIER
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Toluene	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Trichlorobenzene[1,2,3-]	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Trichlorobenzene[1,2,4-]	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Trichlorobenzene[1,2,4-]	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Trichloroethane[1,1,1-]	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Trichloroethane[1,1,2-]	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Trichloroethene	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Trichlorofluoromethane	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Trichlorophenol[2,4,5-]	1.8	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Trichlorophenol[2,4,6-]	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Trichloropropane[1,2,3-]	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Trimethylbenzene[1,2,4-]	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Trimethylbenzene[1,3,5-]	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Trinitrobenzene[1,3,5-]	0.25	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Trinitrotoluene[2,4,6-]	0.25	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Uranium-234	0.45	PCI/G	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Uranium-235	0.04	PCI/G	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Uranium-238	0.88	PCI/G	None
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Vanadium	2	MG/KG	None
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Vinyl Chloride	0.011	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Xylene (Total)	0.011	MG/KG	U
15-009(j)	15-2591	0215-97-0018	12-Aug-97	19	19.5	FT	Not Available	Zinc	19	MG/KG	None
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Acenaphthene	0.35	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Acenaphthylene	0.35	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Acetone	0.0071	MG/KG	J
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Aluminum	373	MG/KG	None
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Amino-2,6-dinitrotoluene[4-]	0.25	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Amino-4,6-dinitrotoluene[2-]	0.25	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Aniline	0.7	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Anthracene	0.35	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Antimony	0.72	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Arsenic	1.4	MG/KG	None

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15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Azobenzene	0.7	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Barium	5.8	MG/KG	None
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Benzene	0.0053	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Benzidine	0.35	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Benzo(a)anthracene	0.35	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Benzo(a)pyrene	0.35	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Benzo(b)fluoranthene	0.35	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Benzo(g,h,i)perylene	0.35	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Benzoic Acid	1.8	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Benzyl Alcohol	0.7	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Beryllium	0.32	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Bis(2-chloroethoxy)methane	0.35	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Bis(2-chloroethyl)ether	0.35	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Bis(2-ethylhexyl)phthalate	0.35	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Bromobenzene	0.0053	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Bromochloromethane	0.0053	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Bromodichloromethane	0.0053	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Bromoform	0.0053	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Bromomethane	0.011	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Bromophenyl-phenylether[4-]	0.35	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Butanone[2-]	0.021	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Butylbenzene[n-]	0.0053	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Butylbenzene[sec-]	0.0053	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Butylbenzene[tert-]	0.0053	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Butylbenzylphthalate	0.35	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Cadmium	0.08	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Calcium	183	MG/KG	None
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Carbazole	0.35	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Carbon Disulfide	0.0053	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Carbon Tetrachloride	0.0053	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Chloro-3-methylphenol[4-]	0.7	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Chloroaniline[4-]	0.7	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Chlorobenzene	0.0053	MG/KG	U

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15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Chlorodibromomethane	0.0053	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Chloroethane	0.011	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Chloroform	0.0053	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Chloromethane	0.011	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Chloronaphthalene[2-]	0.35	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Chlorophenol[2-]	0.35	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Chlorophenyl-phenyl[4-] Ether	0.35	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Chlorotoluene[2-]	0.0053	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Chlorotoluene[4-]	0.0053	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Chromium, Total	1.3	MG/KG	None
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Chrysene	0.35	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Cobalt	0.75	MG/KG	None
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Copper	0.31	MG/KG	None
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Di-n-butylphthalate	0.35	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Di-n-octylphthalate	0.35	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Dibenz(a,h)anthracene	0.35	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Dibenzofuran	0.35	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Dibromo-3-chloropropane[1,2-]	0.011	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Dibromoethane[1,2-]	0.0053	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Dibromomethane	0.0053	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Dichlorobenzene[1,2-]	0.35	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Dichlorobenzene[1,2-]	0.0053	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Dichlorobenzene[1,3-]	0.35	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Dichlorobenzene[1,3-]	0.0053	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Dichlorobenzene[1,4-]	0.35	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Dichlorobenzene[1,4-]	0.0053	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Dichlorobenzidine[3,3'-]	0.7	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Dichlorodifluoromethane	0.011	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Dichloroethane[1,1-]	0.0053	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Dichloroethane[1,2-]	0.0053	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Dichloroethene[1,1-]	0.0053	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Dichloroethene[cis-1,2-]	0.0053	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Dichloroethene[trans-1,2-]	0.0053	MG/KG	U

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PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	BEGIN DEPTH	END DEPTH	DEPTH UNITS	SAMPLE MEDIUM	ANALYTE NAME	STD SAMPLE RESULTS	STD REPORTING UNITS	RFI DATA VALIDATION QUALIFIER
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Dichlorophenol[2,4-]	0.35	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Dichloropropane[1,2-]	0.0053	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Dichloropropane[1,3-]	0.0053	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Dichloropropane[2,2-]	0.0053	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Dichloropropene[1,1-]	0.0053	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Dichloropropene[cis-1,3-]	0.0053	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Dichloropropene[trans-1,3-]	0.0053	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Diethylphthalate	0.35	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Dimethyl Phthalate	0.35	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Dimethylphenol[2,4-]	0.35	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Dinitro-2-methylphenol[4,6-]	1.8	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Dinitrobenzene[1,3-]	0.25	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Dinitrophenol[2,4-]	1.8	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Dinitrotoluene[2,4-]	0.25	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Dinitrotoluene[2,4-]	0.35	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Dinitrotoluene[2,6-]	0.26	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Dinitrotoluene[2,6-]	0.35	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Ethylbenzene	0.0053	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Fluoranthene	0.35	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Fluorene	0.35	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Hexachlorobenzene	0.35	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Hexachlorobutadiene	0.35	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Hexachlorobutadiene	0.0053	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Hexachlorocyclopentadiene	0.35	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Hexachloroethane	0.35	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Hexanone[2-]	0.021	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	HMX	2.2	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Indeno(1,2,3-cd)pyrene	0.35	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Iodomethane	0.0053	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Iron	4520	MG/KG	None
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Isophorone	0.35	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Isopropylbenzene	0.0053	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Isopropyltoluene[4-]	0.0053	MG/KG	U

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PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	BEGIN DEPTH	END DEPTH	DEPTH UNITS	SAMPLE MEDIUM	ANALYTE NAME	STD SAMPLE RESULTS	STD REPORTING UNITS	RFI DATA VALIDATION QUALIFIER
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Lead	1.7	MG/KG	None
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Magnesium	80.4	MG/KG	None
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Manganese	116	MG/KG	J-
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Mercury	0.02	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Methyl-2-pentanone[4-]	0.021	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Methylene Chloride	0.0052	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Methylnaphthalene[2-]	0.35	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Methylphenol[2-]	0.35	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Methylphenol[4-]	0.35	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Naphthalene	0.35	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Naphthalene	0.0053	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Nickel	0.93	MG/KG	None
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Nitroaniline[2-]	1.8	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Nitroaniline[3-]	1.8	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Nitroaniline[4-]	0.7	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Nitrobenzene	0.26	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Nitrobenzene	0.35	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Nitrophenol[2-]	0.35	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Nitrophenol[4-]	1.8	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Nitroso-di-n-propylamine[N-]	0.35	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Nitrosodimethylamine[N-]	0.35	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Nitrosodiphenylamine[N-]	0.35	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Nitrotoluene[2-]	0.25	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Nitrotoluene[3-]	0.25	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Nitrotoluene[4-]	0.25	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Oxybis(1-chloropropane)[2,2'-]	0.35	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Pentachlorophenol	1.8	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Phenanthrene	0.35	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Phenol	0.35	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Potassium	210	MG/KG	None
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Propylbenzene[1-]	0.0053	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Pyrene	0.35	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Pyridine	0.35	MG/KG	U

PRS 15-009(j) VCA ANALYTICAL DATA

PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	BEGIN DEPTH	END DEPTH	DEPTH UNITS	SAMPLE MEDIUM	ANALYTE NAME	STD SAMPLE RESULTS	STD REPORTING UNITS	RFI DATA VALIDATION QUALIFIER
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	RDX	1	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Selenium	0.57	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Silver	0.25	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Sodium	192	MG/KG	None
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Styrene	0.0053	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Tetrachloroethane[1,1,1,2-]	0.0053	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Tetrachloroethane[1,1,2,2-]	0.0053	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Tetrachloroethene	0.0053	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Tetryl	0.65	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Thallium	0.72	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Toluene	0.0053	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.0053	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Trichlorobenzene[1,2,3-]	0.0053	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Trichlorobenzene[1,2,4-]	0.35	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Trichlorobenzene[1,2,4-]	0.0053	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Trichloroethane[1,1,1-]	0.0053	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Trichloroethane[1,1,2-]	0.0053	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Trichloroethene	0.0053	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Trichlorofluoromethane	0.0053	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Trichlorophenol[2,4,5-]	1.8	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Trichlorophenol[2,4,6-]	0.35	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Trichloropropane[1,2,3-]	0.0053	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Trimethylbenzene[1,2,4-]	0.0053	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Trimethylbenzene[1,3,5-]	0.0053	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Trinitrobenzene[1,3,5-]	0.25	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Trinitrotoluene[2,4,6-]	0.25	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Uranium-234	0.85	PCI/G	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Uranium-235	0.13	PCI/G	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Uranium-238	0.46	PCI/G	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Vanadium	1.8	MG/KG	None
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Vinyl Chloride	0.011	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Xylene (Total)	0.0106	MG/KG	U
15-009(j)	15-2591	0215-97-0019	12-Aug-97	59	59.5	FT	Not Available	Zinc	24	MG/KG	None

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15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Acenaphthene	0.38	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Acenaphthylene	0.38	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Acetone	0.023	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Aluminum	4600	MG/KG	None
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Amino-2,6-dinitrotoluene[4-]	0.25	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Amino-4,6-dinitrotoluene[2-]	0.25	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Aniline	0.77	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Anthracene	0.38	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Antimony	0.78	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Arsenic	2.5	MG/KG	None
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Azobenzene	0.77	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Barium	23.7	MG/KG	None
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Benzene	0.0057	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Benzidine	0.38	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Benzo(a)anthracene	0.38	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Benzo(a)pyrene	0.38	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Benzo(b)fluoranthene	0.38	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Benzo(g,h,i)perylene	0.38	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Benzoic Acid	1.9	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Benzyl Alcohol	0.77	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Beryllium	0.98	MG/KG	None
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Bis(2-chloroethoxy)methane	0.38	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Bis(2-chloroethyl)ether	0.38	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Bis(2-ethylhexyl)phthalate	0.38	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Bromobenzene	0.0057	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Bromochloromethane	0.0057	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Bromodichloromethane	0.0057	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Bromoform	0.0057	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Bromomethane	0.011	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Bromophenyl-phenylether[4-]	0.38	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Butanone[2-]	0.023	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Butylbenzene[n-]	0.0057	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Butylbenzene[sec-]	0.0057	MG/KG	U

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PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	BEGIN DEPTH	END DEPTH	DEPTH UNITS	SAMPLE MEDIUM	ANALYTE NAME	STD SAMPLE RESULTS	STD REPORTING UNITS	RFI DATA VALIDATION QUALIFIER
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Butylbenzene[tert-]	0.0057	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Butylbenzylphthalate	0.38	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Cadmium	0.09	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Calcium	1600	MG/KG	None
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Carbazole	0.38	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Carbon Disulfide	0.0057	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Carbon Tetrachloride	0.0057	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Chloro-3-methylphenol[4-]	0.77	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Chloroaniline[4-]	0.77	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Chlorobenzene	0.0057	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Chlorodibromomethane	0.0057	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Chloroethane	0.011	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Chloroform	0.0057	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Chloromethane	0.011	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Chloronaphthalene[2-]	0.38	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Chlorophenol[2-]	0.38	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Chlorophenyl-phenyl[4-] Ether	0.38	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Chlorotoluene[2-]	0.0057	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Chlorotoluene[4-]	0.0057	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Chromium, Total	5.1	MG/KG	None
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Chrysene	0.38	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Cobalt	1.9	MG/KG	None
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Copper	3.6	MG/KG	None
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Di-n-butylphthalate	0.38	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Di-n-octylphthalate	0.38	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Dibenz(a,h)anthracene	0.38	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Dibenzofuran	0.38	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Dibromo-3-chloropropane[1,2-]	0.011	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Dibromoethane[1,2-]	0.0057	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Dibromomethane	0.0057	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Dichlorobenzene[1,2-]	0.38	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Dichlorobenzene[1,2-]	0.0057	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Dichlorobenzene[1,3-]	0.38	MG/KG	U

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PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	BEGIN DEPTH	END DEPTH	DEPTH UNITS	SAMPLE MEDIUM	ANALYTE NAME	STD SAMPLE RESULTS	STD REPORTING UNITS	RFI DATA VALIDATION QUALIFIER
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Dichlorobenzene[1,3-]	0.0057	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Dichlorobenzene[1,4-]	0.38	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Dichlorobenzene[1,4-]	0.0057	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Dichlorobenzidine[3,3'-]	0.77	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Dichlorodifluoromethane	0.011	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Dichloroethane[1,1-]	0.0057	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Dichloroethane[1,2-]	0.0057	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Dichloroethene[1,1-]	0.0057	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Dichloroethene[cis-1,2-]	0.0057	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Dichloroethene[trans-1,2-]	0.0057	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Dichlorophenol[2,4-]	0.38	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Dichloropropane[1,2-]	0.0057	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Dichloropropane[1,3-]	0.0057	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Dichloropropane[2,2-]	0.0057	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Dichloropropene[1,1-]	0.0057	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Dichloropropene[cis-1,3-]	0.0057	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Dichloropropene[trans-1,3-]	0.0057	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Diethylphthalate	0.38	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Dimethyl Phthalate	0.38	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Dimethylphenol[2,4-]	0.38	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Dinitro-2-methylphenol[4,6-]	1.9	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Dinitrobenzene[1,3-]	0.25	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Dinitrophenol[2,4-]	1.9	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Dinitrotoluene[2,4-]	0.25	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Dinitrotoluene[2,4-]	0.38	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Dinitrotoluene[2,6-]	0.26	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Dinitrotoluene[2,6-]	0.38	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Ethylbenzene	0.0057	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Fluoranthene	0.38	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Fluorene	0.38	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Hexachlorobenzene	0.38	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Hexachlorobutadiene	0.38	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Hexachlorobutadiene	0.0057	MG/KG	U

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PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	BEGIN DEPTH	END DEPTH	DEPTH UNITS	SAMPLE MEDIUM	ANALYTE NAME	STD SAMPLE RESULTS	STD REPORTING UNITS	RFI DATA VALIDATION QUALIFIER
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Hexachlorocyclopentadiene	0.38	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Hexachloroethane	0.38	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Hexanone[2-]	0.023	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	HMX	2.2	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Indeno(1,2,3-cd)pyrene	0.38	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Iodomethane	0.0057	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Iron	8650	MG/KG	None
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Isophorone	0.38	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Isopropylbenzene	0.0057	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Isopropyltoluene[4-]	0.0057	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Lead	5.6	MG/KG	None
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Magnesium	1470	MG/KG	None
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Manganese	123	MG/KG	None
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Mercury	0.02	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Methyl-2-pentanone[4-]	0.023	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Methylene Chloride	0.078	MG/KG	None
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Methylnaphthalene[2-]	0.38	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Methylphenol[2-]	0.38	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Methylphenol[4-]	0.38	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Naphthalene	0.38	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Naphthalene	0.0057	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Nickel	4.5	MG/KG	None
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Nitroaniline[2-]	1.9	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Nitroaniline[3-]	1.9	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Nitroaniline[4-]	0.77	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Nitrobenzene	0.26	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Nitrobenzene	0.38	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Nitrophenol[2-]	0.38	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Nitrophenol[4-]	1.9	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Nitroso-di-n-propylamine[N-]	0.38	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Nitrosodimethylamine[N-]	0.38	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Nitrosodiphenylamine[N-]	0.38	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Nitrotoluene[2-]	0.25	MG/KG	U

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15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Nitrotoluene[3-]	0.25	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Nitrotoluene[4-]	0.25	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Oxybis(1-chloropropane)[2,2'-]	0.38	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Pentachlorophenol	1.9	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Phenanthrene	0.38	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Phenol	0.38	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Potassium	1040	MG/KG	None
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Propylbenzene[1-]	0.0057	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Pyrene	0.38	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Pyridine	0.38	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	RDX	1	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Selenium	0.62	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Silver	0.28	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Sodium	209	MG/KG	None
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Styrene	0.0057	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Tetrachloroethane[1,1,1,2-]	0.0057	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Tetrachloroethane[1,1,2,2-]	0.0057	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Tetrachloroethene	0.0057	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Tetryl	0.65	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Thallium	0.51	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Toluene	0.0057	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.0057	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Trichlorobenzene[1,2,3-]	0.0057	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Trichlorobenzene[1,2,4-]	0.38	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Trichlorobenzene[1,2,4-]	0.0057	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Trichloroethane[1,1,1-]	0.0057	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Trichloroethane[1,1,2-]	0.0057	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Trichloroethene	0.0057	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Trichlorofluoromethane	0.0057	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Trichlorophenol[2,4,5-]	1.9	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Trichlorophenol[2,4,6-]	0.38	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Trichloropropane[1,2,3-]	0.0057	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Trimethylbenzene[1,2,4-]	0.0057	MG/KG	U

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PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	BEGIN DEPTH	END DEPTH	DEPTH UNITS	SAMPLE MEDIUM	ANALYTE NAME	STD SAMPLE RESULTS	STD REPORTING UNITS	RFI DATA VALIDATION QUALIFIER
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Trimethylbenzene[1,3,5-]	0.0057	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Trinitrobenzene[1,3,5-]	0.25	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Trinitrotoluene[2,4,6-]	0.25	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Uranium-234	0.536	PCI/G	None
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Uranium-235	0.024	PCI/G	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Uranium-238	0.493	PCI/G	None
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Vanadium	7.1	MG/KG	None
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Vinyl Chloride	0.011	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Xylene (Total)	0.0057	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Xylene[1,2-]	0.0057	MG/KG	U
15-009(j)	15-2590	0215-97-0102	11-Aug-97	12.5	15	FT	Not Available	Zinc	34.8	MG/KG	None
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Acenaphthene	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Acenaphthylene	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Acetone	0.022	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Aluminum	2270	MG/KG	None
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Amino-2,6-dinitrotoluene[4-]	0.25	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Amino-4,6-dinitrotoluene[2-]	0.25	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Aniline	0.74	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Anthracene	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Antimony	0.75	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Arsenic	2.4	MG/KG	None
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Azobenzene	0.74	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Barium	36.4	MG/KG	None
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Benzene	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Benzidine	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Benzo(a)anthracene	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Benzo(a)pyrene	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Benzo(b)fluoranthene	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Benzo(g,h,i)perylene	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Benzoic Acid	1.8	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Benzyl Alcohol	0.74	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Beryllium	0.51	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Bis(2-chloroethoxy)methane	0.37	MG/KG	U

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PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	BEGIN DEPTH	END DEPTH	DEPTH UNITS	SAMPLE MEDIUM	ANALYTE NAME	STD SAMPLE RESULTS	STD REPORTING UNITS	RFI DATA VALIDATION QUALIFIER
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Bis(2-chloroethyl)ether	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Bis(2-ethylhexyl)phthalate	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Bromobenzene	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Bromochloromethane	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Bromodichloromethane	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Bromoform	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Bromomethane	0.011	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Bromophenyl-phenylether[4-]	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Butanone[2-]	0.022	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Butylbenzene[n-]	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Butylbenzene[sec-]	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Butylbenzene[tert-]	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Butylbenzylphthalate	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Cadmium	0.09	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Calcium	1150	MG/KG	None
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Carbazole	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Carbon Disulfide	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Carbon Tetrachloride	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Chloro-3-methylphenol[4-]	0.74	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Chloroaniline[4-]	0.74	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Chlorobenzene	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Chlorodibromomethane	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Chloroethane	0.011	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Chloroform	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Chloromethane	0.011	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Chloronaphthalene[2-]	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Chlorophenol[2-]	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Chlorophenyl-phenyl[4-] Ether	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Chlorotoluene[2-]	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Chlorotoluene[4-]	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Chromium, Total	4.1	MG/KG	None
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Chrysene	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Cobalt	1.5	MG/KG	None

PRS 15-009(j) VCA ANALYTICAL DATA

PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	BEGIN DEPTH	END DEPTH	DEPTH UNITS	SAMPLE MEDIUM	ANALYTE NAME	STD SAMPLE RESULTS	STD REPORTING UNITS	RFI DATA VALIDATION QUALIFIER
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Copper	0.81	MG/KG	None
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Di-n-butylphthalate	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Di-n-octylphthalate	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Dibenz(a,h)anthracene	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Dibenzofuran	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Dibromo-3-chloropropane[1,2-]	0.011	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Dibromoethane[1,2-]	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Dibromomethane	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Dichlorobenzene[1,2-]	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Dichlorobenzene[1,2-]	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Dichlorobenzene[1,3-]	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Dichlorobenzene[1,3-]	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Dichlorobenzene[1,4-]	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Dichlorobenzene[1,4-]	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Dichlorobenzidine[3,3'-]	0.74	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Dichlorodifluoromethane	0.011	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Dichloroethane[1,1-]	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Dichloroethane[1,2-]	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Dichloroethene[1,1-]	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Dichloroethene[cis-1,2-]	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Dichloroethene[trans-1,2-]	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Dichlorophenol[2,4-]	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Dichloropropane[1,2-]	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Dichloropropane[1,3-]	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Dichloropropane[2,2-]	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Dichloropropene[1,1-]	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Dichloropropene[cis-1,3-]	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Dichloropropene[trans-1,3-]	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Diethylphthalate	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Dimethyl Phthalate	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Dimethylphenol[2,4-]	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Dinitro-2-methylphenol[4,6-]	1.8	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Dinitrobenzene[1,3-]	0.25	MG/KG	U

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15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Dinitrophenol[2,4-]	1.8	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Dinitrotoluene[2,4-]	0.25	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Dinitrotoluene[2,4-]	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Dinitrotoluene[2,6-]	0.26	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Dinitrotoluene[2,6-]	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Ethylbenzene	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Fluoranthene	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Fluorene	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Hexachlorobenzene	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Hexachlorobutadiene	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Hexachlorobutadiene	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Hexachlorocyclopentadiene	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Hexachloroethane	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Hexanone[2-]	0.022	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	HMX	2.2	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Indeno(1,2,3-cd)pyrene	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Iodomethane	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Iron	5900	MG/KG	None
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Isophorone	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Isopropylbenzene	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Isopropyltoluene[4-]	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Lead	8.7	MG/KG	None
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Magnesium	639	MG/KG	None
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Manganese	192	MG/KG	J-
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Mercury	0.02	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Methyl-2-pentanone[4-]	0.022	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Methylene Chloride	0.0033	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Methylnaphthalene[2-]	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Methylphenol[2-]	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Methylphenol[4-]	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Naphthalene	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Naphthalene	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Nickel	4.5	MG/KG	None

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PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	BEGIN DEPTH	END DEPTH	DEPTH UNITS	SAMPLE MEDIUM	ANALYTE NAME	STD SAMPLE RESULTS	STD REPORTING UNITS	RFI DATA VALIDATION QUALIFIER
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Nitroaniline[2-]	1.8	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Nitroaniline[3-]	1.8	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Nitroaniline[4-]	0.74	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Nitrobenzene	0.26	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Nitrobenzene	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Nitrophenol[2-]	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Nitrophenol[4-]	1.8	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Nitroso-di-n-propylamine[N-]	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Nitrosodimethylamine[N-]	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Nitrosodiphenylamine[N-]	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Nitrotoluene[2-]	0.25	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Nitrotoluene[3-]	0.25	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Nitrotoluene[4-]	0.25	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Oxybis(1-chloropropane)[2,2'-]	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Pentachlorophenol	1.8	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Phenanthrene	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Phenol	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Potassium	638	MG/KG	None
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Propylbenzene[1-]	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Pyrene	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Pyridine	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	RDX	1	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Selenium	0.6	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Silver	0.27	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Sodium	406	MG/KG	None
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Styrene	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Tetrachloroethane[1,1,1,2-]	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Tetrachloroethane[1,1,2,2-]	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Tetrachloroethene	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Tetryl	0.65	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Thallium	0.62	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Toluene	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.0055	MG/KG	U

PRS 15-009(j) VCA ANALYTICAL DATA

PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	BEGIN DEPTH	END DEPTH	DEPTH UNITS	SAMPLE MEDIUM	ANALYTE NAME	STD SAMPLE RESULTS	STD REPORTING UNITS	RFI DATA VALIDATION QUALIFIER
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Trichlorobenzene[1,2,3-]	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Trichlorobenzene[1,2,4-]	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Trichlorobenzene[1,2,4-]	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Trichloroethane[1,1,1-]	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Trichloroethane[1,1,2-]	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Trichloroethene	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Trichlorofluoromethane	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Trichlorophenol[2,4,5-]	1.8	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Trichlorophenol[2,4,6-]	0.37	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Trichloropropane[1,2,3-]	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Trimethylbenzene[1,2,4-]	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Trimethylbenzene[1,3,5-]	0.0055	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Trinitrobenzene[1,3,5-]	0.25	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Trinitrotoluene[2,4,6-]	0.25	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Uranium-234	0.61	PCI/G	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Uranium-235	0.47	PCI/G	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Uranium-238	1.07	PCI/G	None
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Vanadium	4.4	MG/KG	None
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Vinyl Chloride	0.011	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Xylene (Total)	0.011	MG/KG	U
15-009(j)	15-2591	0215-97-0103	12-Aug-97	12	12.5	FT	Not Available	Zinc	26.2	MG/KG	None

PRS 15-009(j) VCA QC ANALYTICAL DATA

PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	SAMPLE MATRIX	SAMPLE MEDIUM	REQUEST NUMBER	ANALYTE NAME	STD SAMPLE RESULT	STD REPORTING UNITS	SAMPLE TYPE	ANALYTE TYPE	RFI DATA VALIDATION QUALIFIER
15-009(j)	15-2587	0215-97-0012	6-Aug-97	S2	Not Available	3515R	Fluorobiphenyl[2-]	44.7	%	SAMPLE	SURR	None
15-009(j)	15-2587	0215-97-0012	6-Aug-97	S2	Not Available	3515R	Fluorophenol[2-]	34.6	%	SAMPLE	SURR	None
15-009(j)	15-2587	0215-97-0012	6-Aug-97	S2	Not Available	3515R	Nitrobenzene-d5	41	%	SAMPLE	SURR	None
15-009(j)	15-2587	0215-97-0012	6-Aug-97	S2	Not Available	3515R	Phenol-d5	37	%	SAMPLE	SURR	None
15-009(j)	15-2587	0215-97-0012	6-Aug-97	S2	Not Available	3515R	Terphenyl-d14[4-]	83.8	%	SAMPLE	SURR	None
15-009(j)	15-2587	0215-97-0012	6-Aug-97	S2	Not Available	3515R	Toluene-d8	103	%	SAMPLE	SURR	None
15-009(j)	15-2587	0215-97-0012	6-Aug-97	S2	Not Available	3515R	Tribromophenol[2,4,6-]	54.8	%	SAMPLE	SURR	None
15-009(j)	15-2587	0215-97-0012	6-Aug-97	S2	Not Available	3512R	Uranium Tracer	96.5	%	SAMPLE	TRACER	None
15-009(j)	15-2588	0215-97-0013	11-Aug-97	S2	Not Available	3552R	Benzene	94	%	MS	ANALYTE	None
15-009(j)	15-2588	0215-97-0013	11-Aug-97	S2	Not Available	3552R	Benzene	97	%	MSD	ANALYTE	None
15-009(j)	15-2588	0215-97-0013	11-Aug-97	S2	Not Available	3552R	Bromofluorobenzene[4-]	112	%	MS	SURR	None
15-009(j)	15-2588	0215-97-0013	11-Aug-97	S2	Not Available	3552R	Bromofluorobenzene[4-]	109	%	MSD	SURR	None
15-009(j)	15-2588	0215-97-0013	11-Aug-97	S2	Not Available	3552R	Bromofluorobenzene[4-]	111	%	SAMPLE	SURR	None
15-009(j)	15-2588	0215-97-0013	11-Aug-97	S2	Not Available	3552R	Chlorobenzene	93	%	MS	ANALYTE	None
15-009(j)	15-2588	0215-97-0013	11-Aug-97	S2	Not Available	3552R	Chlorobenzene	98	%	MSD	ANALYTE	None
15-009(j)	15-2588	0215-97-0013	11-Aug-97	S2	Not Available	3552R	Dibromofluoromethane	113	%	MS	SURR	None
15-009(j)	15-2588	0215-97-0013	11-Aug-97	S2	Not Available	3552R	Dibromofluoromethane	109	%	MSD	SURR	None
15-009(j)	15-2588	0215-97-0013	11-Aug-97	S2	Not Available	3552R	Dibromofluoromethane	103	%	SAMPLE	SURR	None
15-009(j)	15-2588	0215-97-0013	11-Aug-97	S2	Not Available	3552R	Dichloroethene[1,1-]	103	%	MS	ANALYTE	None
15-009(j)	15-2588	0215-97-0013	11-Aug-97	S2	Not Available	3552R	Dichloroethene[1,1-]	103	%	MSD	ANALYTE	None
15-009(j)	15-2588	0215-97-0013	11-Aug-97	S2	Not Available	3553R	Dinitrobenzene[1,4-]	96	%	SAMPLE	SURR	None
15-009(j)	15-2588	0215-97-0013	11-Aug-97	S2	Not Available	3552R	Fluorobiphenyl[2-]	62	%	SAMPLE	SURR	None
15-009(j)	15-2588	0215-97-0013	11-Aug-97	S2	Not Available	3552R	Fluorophenol[2-]	57	%	SAMPLE	SURR	None
15-009(j)	15-2588	0215-97-0013	11-Aug-97	S2	Not Available	3554R	Mercury	100	%	MS	ANALYTE	None
15-009(j)	15-2588	0215-97-0013	11-Aug-97	S2	Not Available	3552R	Nitrobenzene-d5	59	%	SAMPLE	SURR	None
15-009(j)	15-2588	0215-97-0013	11-Aug-97	S2	Not Available	3552R	Phenol-d5	59	%	SAMPLE	SURR	None
15-009(j)	15-2588	0215-97-0013	11-Aug-97	S2	Not Available	3552R	Terphenyl-d14[4-]	71	%	SAMPLE	SURR	None
15-009(j)	15-2588	0215-97-0013	11-Aug-97	S2	Not Available	3552R	Toluene	97	%	MS	ANALYTE	None
15-009(j)	15-2588	0215-97-0013	11-Aug-97	S2	Not Available	3552R	Toluene	99	%	MSD	ANALYTE	None
15-009(j)	15-2588	0215-97-0013	11-Aug-97	S2	Not Available	3552R	Toluene-d8	98	%	MS	SURR	None
15-009(j)	15-2588	0215-97-0013	11-Aug-97	S2	Not Available	3552R	Toluene-d8	96	%	MSD	SURR	None
15-009(j)	15-2588	0215-97-0013	11-Aug-97	S2	Not Available	3552R	Toluene-d8	104	%	SAMPLE	SURR	None
15-009(j)	15-2588	0215-97-0013	11-Aug-97	S2	Not Available	3552R	Tribromophenol[2,4,6-]	63	%	SAMPLE	SURR	None
15-009(j)	15-2588	0215-97-0013	11-Aug-97	S2	Not Available	3552R	Trichloroethene	91	%	MS	ANALYTE	None
15-009(j)	15-2588	0215-97-0013	11-Aug-97	S2	Not Available	3552R	Trichloroethene	92	%	MSD	ANALYTE	None
15-009(j)	15-2588	0215-97-0013	11-Aug-97	S2	Not Available	3555R	Uranium Tracer	75	%	SAMPLE	TRACER	None
15-009(j)	15-2588	0215-97-0013 (R)	11-Aug-97	S2	Not Available	3554R	Mercury	0.018	MG/KG	DUP	ANALYTE	U
15-009(j)	15-2588	0215-97-0014	11-Aug-97	S2	Not Available	3552R	Bromofluorobenzene[4-]	110	%	SAMPLE	SURR	None
15-009(j)	15-2588	0215-97-0014	11-Aug-97	S2	Not Available	3552R	Dibromofluoromethane	99	%	SAMPLE	SURR	None
15-009(j)	15-2588	0215-97-0014	11-Aug-97	S2	Not Available	3553R	Dinitrobenzene[1,4-]	96	%	SAMPLE	SURR	None

PRS 15-009(j) VCA QC ANALYTICAL DATA

PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	SAMPLE MATRIX	SAMPLE MEDIUM	REQUEST NUMBER	ANALYTE NAME	STD SAMPLE RESULT	STD REPORTING UNITS	SAMPLE TYPE	ANALYTE TYPE	RFI DATA VALIDATION QUALIFIER
15-009(j)	15-2588	0215-97-0014	11-Aug-97	S2	Not Available	3552R	Fluorobiphenyl[2-]	73	%	SAMPLE	SURR	None
15-009(j)	15-2588	0215-97-0014	11-Aug-97	S2	Not Available	3552R	Fluorophenol[2-]	70	%	SAMPLE	SURR	None
15-009(j)	15-2588	0215-97-0014	11-Aug-97	S2	Not Available	3552R	Nitrobenzene-d5	64	%	SAMPLE	SURR	None
15-009(j)	15-2588	0215-97-0014	11-Aug-97	S2	Not Available	3552R	Phenol-d5	70	%	SAMPLE	SURR	None
15-009(j)	15-2588	0215-97-0014	11-Aug-97	S2	Not Available	3552R	Terphenyl-d14[4-]	77	%	SAMPLE	SURR	None
15-009(j)	15-2588	0215-97-0014	11-Aug-97	S2	Not Available	3552R	Toluene-d8	100	%	SAMPLE	SURR	None
15-009(j)	15-2588	0215-97-0014	11-Aug-97	S2	Not Available	3552R	Tribromophenol[2,4,6-]	75	%	SAMPLE	SURR	None
15-009(j)	15-2588	0215-97-0014	11-Aug-97	S2	Not Available	3555R	Uranium Tracer	72	%	SAMPLE	TRACER	None
15-009(j)	15-2590	0215-97-0015	11-Aug-97	S2	Not Available	3552R	Bromofluorobenzene[4-]	99	%	SAMPLE	SURR	None
15-009(j)	15-2590	0215-97-0015	11-Aug-97	S2	Not Available	3552R	Dibromofluoromethane	100	%	SAMPLE	SURR	None
15-009(j)	15-2590	0215-97-0015	11-Aug-97	S2	Not Available	3553R	Dinitrobenzene[1,4-]	106	%	SAMPLE	SURR	None
15-009(j)	15-2590	0215-97-0015	11-Aug-97	S2	Not Available	3552R	Fluorobiphenyl[2-]	68	%	SAMPLE	SURR	None
15-009(j)	15-2590	0215-97-0015	11-Aug-97	S2	Not Available	3552R	Fluorophenol[2-]	64	%	SAMPLE	SURR	None
15-009(j)	15-2590	0215-97-0015	11-Aug-97	S2	Not Available	3552R	Nitrobenzene-d5	60	%	SAMPLE	SURR	None
15-009(j)	15-2590	0215-97-0015	11-Aug-97	S2	Not Available	3552R	Phenol-d5	64	%	SAMPLE	SURR	None
15-009(j)	15-2590	0215-97-0015	11-Aug-97	S2	Not Available	3552R	Terphenyl-d14[4-]	68	%	SAMPLE	SURR	None
15-009(j)	15-2590	0215-97-0015	11-Aug-97	S2	Not Available	3552R	Toluene-d8	102	%	SAMPLE	SURR	None
15-009(j)	15-2590	0215-97-0015	11-Aug-97	S2	Not Available	3552R	Tribromophenol[2,4,6-]	69	%	SAMPLE	SURR	None
15-009(j)	15-2590	0215-97-0015	11-Aug-97	S2	Not Available	3555R	Uranium Tracer	89	%	SAMPLE	TRACER	None
15-009(j)	15-2590	0215-97-0016	12-Aug-97	S2	Not Available	3560R	Antimony	102.2	%	MS	ANALYTE	None
15-009(j)	15-2590	0215-97-0016	12-Aug-97	S2	Not Available	3560R	Arsenic	106.1	%	MS	ANALYTE	None
15-009(j)	15-2590	0215-97-0016	12-Aug-97	S2	Not Available	3560R	Barium	98.6	%	MS	ANALYTE	None
15-009(j)	15-2590	0215-97-0016	12-Aug-97	S2	Not Available	3560R	Beryllium	95.9	%	MS	ANALYTE	None
15-009(j)	15-2590	0215-97-0016	12-Aug-97	S2	Not Available	3558R	Bromofluorobenzene[4-]	93	%	SAMPLE	SURR	None
15-009(j)	15-2590	0215-97-0016	12-Aug-97	S2	Not Available	3560R	Cadmium	99.9	%	MS	ANALYTE	None
15-009(j)	15-2590	0215-97-0016	12-Aug-97	S2	Not Available	3560R	Chromium, Total	97	%	MS	ANALYTE	None
15-009(j)	15-2590	0215-97-0016	12-Aug-97	S2	Not Available	3560R	Cobalt	99.5	%	MS	ANALYTE	None
15-009(j)	15-2590	0215-97-0016	12-Aug-97	S2	Not Available	3560R	Copper	100	%	MS	ANALYTE	None
15-009(j)	15-2590	0215-97-0016	12-Aug-97	S2	Not Available	3558R	Dibromofluoromethane	100	%	SAMPLE	SURR	None
15-009(j)	15-2590	0215-97-0016	12-Aug-97	S2	Not Available	3559R	Dinitrobenzene[1,4-]	112	%	SAMPLE	SURR	None
15-009(j)	15-2590	0215-97-0016	12-Aug-97	S2	Not Available	3558R	Fluorobiphenyl[2-]	55	%	SAMPLE	SURR	None
15-009(j)	15-2590	0215-97-0016	12-Aug-97	S2	Not Available	3558R	Fluorophenol[2-]	49	%	SAMPLE	SURR	None
15-009(j)	15-2590	0215-97-0016	12-Aug-97	S2	Not Available	3560R	Lead	103.8	%	MS	ANALYTE	None
15-009(j)	15-2590	0215-97-0016	12-Aug-97	S2	Not Available	3560R	Manganese	71.5	%	MS	ANALYTE	None
15-009(j)	15-2590	0215-97-0016	12-Aug-97	S2	Not Available	3560R	Nickel	103.6	%	MS	ANALYTE	None
15-009(j)	15-2590	0215-97-0016	12-Aug-97	S2	Not Available	3558R	Nitrobenzene-d5	52	%	SAMPLE	SURR	None
15-009(j)	15-2590	0215-97-0016	12-Aug-97	S2	Not Available	3558R	Phenol-d5	52	%	SAMPLE	SURR	None
15-009(j)	15-2590	0215-97-0016	12-Aug-97	S2	Not Available	3560R	Selenium	104.3	%	MS	ANALYTE	None
15-009(j)	15-2590	0215-97-0016	12-Aug-97	S2	Not Available	3560R	Silver	101.4	%	MS	ANALYTE	None
15-009(j)	15-2590	0215-97-0016	12-Aug-97	S2	Not Available	3558R	Terphenyl-d14[4-]	58	%	SAMPLE	SURR	None

PRS 15-009(j) VCA QC ANALYTICAL DATA

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15-009(j)	15-2590	0215-97-0016	12-Aug-97	S2	Not Available	3560R	Thallium	103.1	%	MS	ANALYTE	None
15-009(j)	15-2590	0215-97-0016	12-Aug-97	S2	Not Available	3558R	Toluene-d8	103	%	SAMPLE	SURR	None
15-009(j)	15-2590	0215-97-0016	12-Aug-97	S2	Not Available	3558R	Tribromophenol[2,4,6-]	45	%	SAMPLE	SURR	None
15-009(j)	15-2590	0215-97-0016	12-Aug-97	S2	Not Available	3561R	Uranium-232 Tracer	77	%	SAMPLE	TRACER	None
15-009(j)	15-2590	0215-97-0016	12-Aug-97	S2	Not Available	3560R	Vanadium	99.4	%	MS	ANALYTE	None
15-009(j)	15-2590	0215-97-0016	12-Aug-97	S2	Not Available	3560R	Zinc	97	%	MS	ANALYTE	None
15-009(j)	15-2590	0215-97-0016 (R)	12-Aug-97	S2	Not Available	3560R	Aluminum	360.814	MG/KG	DUP	ANALYTE	None
15-009(j)	15-2590	0215-97-0016 (R)	12-Aug-97	S2	Not Available	3560R	Antimony	0.7188	MG/KG	DUP	ANALYTE	U
15-009(j)	15-2590	0215-97-0016 (R)	12-Aug-97	S2	Not Available	3560R	Arsenic	1.148	MG/KG	DUP	ANALYTE	None
15-009(j)	15-2590	0215-97-0016 (R)	12-Aug-97	S2	Not Available	3560R	Barium	7.3975	MG/KG	DUP	ANALYTE	None
15-009(j)	15-2590	0215-97-0016 (R)	12-Aug-97	S2	Not Available	3560R	Beryllium	0.2939	MG/KG	DUP	ANALYTE	None
15-009(j)	15-2590	0215-97-0016 (R)	12-Aug-97	S2	Not Available	3560R	Cadmium	0.0846	MG/KG	DUP	ANALYTE	U
15-009(j)	15-2590	0215-97-0016 (R)	12-Aug-97	S2	Not Available	3560R	Calcium	226.074	MG/KG	DUP	ANALYTE	None
15-009(j)	15-2590	0215-97-0016 (R)	12-Aug-97	S2	Not Available	3560R	Chromium, Total	0.7209	MG/KG	DUP	ANALYTE	None
15-009(j)	15-2590	0215-97-0016 (R)	12-Aug-97	S2	Not Available	3560R	Cobalt	0.6406	MG/KG	DUP	ANALYTE	None
15-009(j)	15-2590	0215-97-0016 (R)	12-Aug-97	S2	Not Available	3560R	Copper	0.3256	MG/KG	DUP	ANALYTE	None
15-009(j)	15-2590	0215-97-0016 (R)	12-Aug-97	S2	Not Available	3560R	Iron	4857.389	MG/KG	DUP	ANALYTE	None
15-009(j)	15-2590	0215-97-0016 (R)	12-Aug-97	S2	Not Available	3560R	Lead	1.3721	MG/KG	DUP	ANALYTE	None
15-009(j)	15-2590	0215-97-0016 (R)	12-Aug-97	S2	Not Available	3560R	Magnesium	97.8816	MG/KG	DUP	ANALYTE	None
15-009(j)	15-2590	0215-97-0016 (R)	12-Aug-97	S2	Not Available	3560R	Manganese	128.444	MG/KG	DUP	ANALYTE	None
15-009(j)	15-2590	0215-97-0016 (R)	12-Aug-97	S2	Not Available	3560R	Nickel	0.6089	MG/KG	DUP	ANALYTE	None
15-009(j)	15-2590	0215-97-0016 (R)	12-Aug-97	S2	Not Available	3560R	Potassium	195.5603	MG/KG	DUP	ANALYTE	None
15-009(j)	15-2590	0215-97-0016 (R)	12-Aug-97	S2	Not Available	3560R	Selenium	0.5708	MG/KG	DUP	ANALYTE	U
15-009(j)	15-2590	0215-97-0016 (R)	12-Aug-97	S2	Not Available	3560R	Silver	0.2537	MG/KG	DUP	ANALYTE	U
15-009(j)	15-2590	0215-97-0016 (R)	12-Aug-97	S2	Not Available	3560R	Sodium	157.1628	MG/KG	DUP	ANALYTE	None
15-009(j)	15-2590	0215-97-0016 (R)	12-Aug-97	S2	Not Available	3560R	Thallium	0.8288	MG/KG	DUP	ANALYTE	None
15-009(j)	15-2590	0215-97-0016 (R)	12-Aug-97	S2	Not Available	3561R	Uranium-232 Tracer	70	%	DUP	TRACER	None
15-009(j)	15-2590	0215-97-0016 (R)	12-Aug-97	S2	Not Available	3561R	Uranium-234	0.88	PCI/G	DUP	ANALYTE	None
15-009(j)	15-2590	0215-97-0016 (R)	12-Aug-97	S2	Not Available	3561R	Uranium-235	0.08	PCI/G	DUP	ANALYTE	None
15-009(j)	15-2590	0215-97-0016 (R)	12-Aug-97	S2	Not Available	3561R	Uranium-238	0.61	PCI/G	DUP	ANALYTE	None
15-009(j)	15-2590	0215-97-0016 (R)	12-Aug-97	S2	Not Available	3560R	Vanadium	1.8436	MG/KG	DUP	ANALYTE	None
15-009(j)	15-2590	0215-97-0016 (R)	12-Aug-97	S2	Not Available	3560R	Zinc	25.6152	MG/KG	DUP	ANALYTE	None
15-009(j)	15-2589	0215-97-0017	12-Aug-97	S2	Not Available	3558R	Acenaphthene	61	%	MS	ANALYTE	None
15-009(j)	15-2589	0215-97-0017	12-Aug-97	S2	Not Available	3558R	Acenaphthene	72	%	MSD	ANALYTE	None
15-009(j)	15-2589	0215-97-0017	12-Aug-97	S2	Not Available	3558R	Bromofluorobenzene[4-]	102	%	SAMPLE	SURR	None
15-009(j)	15-2589	0215-97-0017	12-Aug-97	S2	Not Available	3558R	Chloro-3-methylphenol[4-]	64	%	MS	ANALYTE	None
15-009(j)	15-2589	0215-97-0017	12-Aug-97	S2	Not Available	3558R	Chloro-3-methylphenol[4-]	68	%	MSD	ANALYTE	None
15-009(j)	15-2589	0215-97-0017	12-Aug-97	S2	Not Available	3558R	Chlorophenol[2-]	61	%	MS	ANALYTE	None
15-009(j)	15-2589	0215-97-0017	12-Aug-97	S2	Not Available	3558R	Chlorophenol[2-]	67	%	MSD	ANALYTE	None
15-009(j)	15-2589	0215-97-0017	12-Aug-97	S2	Not Available	3558R	Dibromofluoromethane	104	%	SAMPLE	SURR	None

PRS 15-009(j) VCA QC ANALYTICAL DATA

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15-009(j)	15-2589	0215-97-0017	12-Aug-97	S2	Not Available	3558R	Dichlorobenzene[1,4-]	51	%	MS	ANALYTE	None
15-009(j)	15-2589	0215-97-0017	12-Aug-97	S2	Not Available	3558R	Dichlorobenzene[1,4-]	56	%	MSD	ANALYTE	None
15-009(j)	15-2589	0215-97-0017	12-Aug-97	S2	Not Available	3559R	Dinitrobenzene[1,4-]	109	%	SAMPLE	SURR	None
15-009(j)	15-2589	0215-97-0017	12-Aug-97	S2	Not Available	3558R	Dinitrotoluene[2,4-]	53	%	MS	ANALYTE	None
15-009(j)	15-2589	0215-97-0017	12-Aug-97	S2	Not Available	3558R	Dinitrotoluene[2,4-]	61	%	MSD	ANALYTE	None
15-009(j)	15-2589	0215-97-0017	12-Aug-97	S2	Not Available	3558R	Fluorobiphenyl[2-]	62	%	MS	SURR	None
15-009(j)	15-2589	0215-97-0017	12-Aug-97	S2	Not Available	3558R	Fluorobiphenyl[2-]	66	%	MSD	SURR	None
15-009(j)	15-2589	0215-97-0017	12-Aug-97	S2	Not Available	3558R	Fluorobiphenyl[2-]	61	%	SAMPLE	SURR	None
15-009(j)	15-2589	0215-97-0017	12-Aug-97	S2	Not Available	3558R	Fluorophenol[2-]	50	%	MS	SURR	None
15-009(j)	15-2589	0215-97-0017	12-Aug-97	S2	Not Available	3558R	Fluorophenol[2-]	54	%	MSD	SURR	None
15-009(j)	15-2589	0215-97-0017	12-Aug-97	S2	Not Available	3558R	Fluorophenol[2-]	48	%	SAMPLE	SURR	None
15-009(j)	15-2589	0215-97-0017	12-Aug-97	S2	Not Available	3558R	Nitrobenzene-d5	60	%	MS	SURR	None
15-009(j)	15-2589	0215-97-0017	12-Aug-97	S2	Not Available	3558R	Nitrobenzene-d5	63	%	MSD	SURR	None
15-009(j)	15-2589	0215-97-0017	12-Aug-97	S2	Not Available	3558R	Nitrobenzene-d5	58	%	SAMPLE	SURR	None
15-009(j)	15-2589	0215-97-0017	12-Aug-97	S2	Not Available	3558R	Nitrophenol[4-]	61	%	MS	ANALYTE	None
15-009(j)	15-2589	0215-97-0017	12-Aug-97	S2	Not Available	3558R	Nitrophenol[4-]	70	%	MSD	ANALYTE	None
15-009(j)	15-2589	0215-97-0017	12-Aug-97	S2	Not Available	3558R	Nitroso-di-n-propylamine[N-]	70	%	MS	ANALYTE	None
15-009(j)	15-2589	0215-97-0017	12-Aug-97	S2	Not Available	3558R	Nitroso-di-n-propylamine[N-]	77	%	MSD	ANALYTE	None
15-009(j)	15-2589	0215-97-0017	12-Aug-97	S2	Not Available	3558R	Pentachlorophenol	60	%	MS	ANALYTE	None
15-009(j)	15-2589	0215-97-0017	12-Aug-97	S2	Not Available	3558R	Pentachlorophenol	73	%	MSD	ANALYTE	None
15-009(j)	15-2589	0215-97-0017	12-Aug-97	S2	Not Available	3558R	Phenol	56	%	MS	ANALYTE	None
15-009(j)	15-2589	0215-97-0017	12-Aug-97	S2	Not Available	3558R	Phenol	63	%	MSD	ANALYTE	None
15-009(j)	15-2589	0215-97-0017	12-Aug-97	S2	Not Available	3558R	Phenol-d5	59	%	MS	SURR	None
15-009(j)	15-2589	0215-97-0017	12-Aug-97	S2	Not Available	3558R	Phenol-d5	62	%	MSD	SURR	None
15-009(j)	15-2589	0215-97-0017	12-Aug-97	S2	Not Available	3558R	Phenol-d5	56	%	SAMPLE	SURR	None
15-009(j)	15-2589	0215-97-0017	12-Aug-97	S2	Not Available	3558R	Pyrene	52	%	MS	ANALYTE	None
15-009(j)	15-2589	0215-97-0017	12-Aug-97	S2	Not Available	3558R	Pyrene	64	%	MSD	ANALYTE	None
15-009(j)	15-2589	0215-97-0017	12-Aug-97	S2	Not Available	3558R	Terphenyl-d14[4-]	56	%	MS	SURR	None
15-009(j)	15-2589	0215-97-0017	12-Aug-97	S2	Not Available	3558R	Terphenyl-d14[4-]	64	%	MSD	SURR	None
15-009(j)	15-2589	0215-97-0017	12-Aug-97	S2	Not Available	3558R	Terphenyl-d14[4-]	55	%	SAMPLE	SURR	None
15-009(j)	15-2589	0215-97-0017	12-Aug-97	S2	Not Available	3558R	Toluene-d8	101	%	SAMPLE	SURR	None
15-009(j)	15-2589	0215-97-0017	12-Aug-97	S2	Not Available	3558R	Tribromophenol[2,4,6-]	57	%	MS	SURR	None
15-009(j)	15-2589	0215-97-0017	12-Aug-97	S2	Not Available	3558R	Tribromophenol[2,4,6-]	62	%	MSD	SURR	None
15-009(j)	15-2589	0215-97-0017	12-Aug-97	S2	Not Available	3558R	Tribromophenol[2,4,6-]	51	%	SAMPLE	SURR	None
15-009(j)	15-2589	0215-97-0017	12-Aug-97	S2	Not Available	3558R	Trichlorobenzene[1,2,4-]	62	%	MS	ANALYTE	None
15-009(j)	15-2589	0215-97-0017	12-Aug-97	S2	Not Available	3558R	Trichlorobenzene[1,2,4-]	68	%	MSD	ANALYTE	None
15-009(j)	15-2589	0215-97-0017	12-Aug-97	S2	Not Available	3561R	Uranium-232 Tracer	79	%	SAMPLE	TRACER	None
15-009(j)	15-2591	0215-97-0018	12-Aug-97	S2	Not Available	3559R	Amino-4,6-dinitrotoluene[2-]	102	%	MS	ANALYTE	None
15-009(j)	15-2591	0215-97-0018	12-Aug-97	S2	Not Available	3559R	Amino-4,6-dinitrotoluene[2-]	102	%	MSD	ANALYTE	None
15-009(j)	15-2591	0215-97-0018	12-Aug-97	S2	Not Available	3558R	Bromofluorobenzene[4-]	91	%	SAMPLE	SURR	None

PRS 15-009(j) VCA QC ANALYTICAL DATA

PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	SAMPLE MATRIX	SAMPLE MEDIUM	REQUEST NUMBER	ANALYTE NAME	STD SAMPLE RESULT	STD REPORTING UNITS	SAMPLE TYPE	ANALYTE TYPE	RFI DATA VALIDATION QUALIFIER
15-009(j)	15-2591	0215-97-0018	12-Aug-97	S2	Not Available	3558R	Dibromofluoromethane	101	%	SAMPLE	SURR	None
15-009(j)	15-2591	0215-97-0018	12-Aug-97	S2	Not Available	3559R	Dinitrobenzene[1,3-]	106	%	MS	ANALYTE	None
15-009(j)	15-2591	0215-97-0018	12-Aug-97	S2	Not Available	3559R	Dinitrobenzene[1,3-]	106	%	MSD	ANALYTE	None
15-009(j)	15-2591	0215-97-0018	12-Aug-97	S2	Not Available	3559R	Dinitrobenzene[1,4-]	109	%	MS	SURR	None
15-009(j)	15-2591	0215-97-0018	12-Aug-97	S2	Not Available	3559R	Dinitrobenzene[1,4-]	107	%	MSD	SURR	None
15-009(j)	15-2591	0215-97-0018	12-Aug-97	S2	Not Available	3559R	Dinitrobenzene[1,4-]	108	%	SAMPLE	SURR	None
15-009(j)	15-2591	0215-97-0018	12-Aug-97	S2	Not Available	3559R	Dinitrotoluene[2,4-]	96	%	MS	ANALYTE	None
15-009(j)	15-2591	0215-97-0018	12-Aug-97	S2	Not Available	3559R	Dinitrotoluene[2,4-]	95	%	MSD	ANALYTE	None
15-009(j)	15-2591	0215-97-0018	12-Aug-97	S2	Not Available	3558R	Fluorobiphenyl[2-]	65	%	SAMPLE	SURR	None
15-009(j)	15-2591	0215-97-0018	12-Aug-97	S2	Not Available	3558R	Fluorophenol[2-]	55	%	SAMPLE	SURR	None
15-009(j)	15-2591	0215-97-0018	12-Aug-97	S2	Not Available	3559R	HMX	97	%	MS	ANALYTE	None
15-009(j)	15-2591	0215-97-0018	12-Aug-97	S2	Not Available	3559R	HMX	96	%	MSD	ANALYTE	None
15-009(j)	15-2591	0215-97-0018	12-Aug-97	S2	Not Available	3559R	Nitrobenzene	99	%	MS	ANALYTE	None
15-009(j)	15-2591	0215-97-0018	12-Aug-97	S2	Not Available	3559R	Nitrobenzene	97	%	MSD	ANALYTE	None
15-009(j)	15-2591	0215-97-0018	12-Aug-97	S2	Not Available	3558R	Nitrobenzene-d5	60	%	SAMPLE	SURR	None
15-009(j)	15-2591	0215-97-0018	12-Aug-97	S2	Not Available	3558R	Phenol-d5	61	%	SAMPLE	SURR	None
15-009(j)	15-2591	0215-97-0018	12-Aug-97	S2	Not Available	3559R	RDX	106	%	MS	ANALYTE	None
15-009(j)	15-2591	0215-97-0018	12-Aug-97	S2	Not Available	3559R	RDX	105	%	MSD	ANALYTE	None
15-009(j)	15-2591	0215-97-0018	12-Aug-97	S2	Not Available	3558R	Terphenyl-d14[4-]	62	%	SAMPLE	SURR	None
15-009(j)	15-2591	0215-97-0018	12-Aug-97	S2	Not Available	3558R	Toluene-d8	97	%	SAMPLE	SURR	None
15-009(j)	15-2591	0215-97-0018	12-Aug-97	S2	Not Available	3558R	Tribromophenol[2,4,6-]	61	%	SAMPLE	SURR	None
15-009(j)	15-2591	0215-97-0018	12-Aug-97	S2	Not Available	3559R	Trinitrobenzene[1,3,5-]	103	%	MS	ANALYTE	None
15-009(j)	15-2591	0215-97-0018	12-Aug-97	S2	Not Available	3559R	Trinitrobenzene[1,3,5-]	102	%	MSD	ANALYTE	None
15-009(j)	15-2591	0215-97-0018	12-Aug-97	S2	Not Available	3559R	Trinitrotoluene[2,4,6-]	103	%	MS	ANALYTE	None
15-009(j)	15-2591	0215-97-0018	12-Aug-97	S2	Not Available	3559R	Trinitrotoluene[2,4,6-]	101	%	MSD	ANALYTE	None
15-009(j)	15-2591	0215-97-0018	12-Aug-97	S2	Not Available	3561R	Uranium-232 Tracer	77	%	SAMPLE	TRACER	None
15-009(j)	15-2591	0215-97-0019	12-Aug-97	S2	Not Available	3558R	Bromofluorobenzene[4-]	94	%	SAMPLE	SURR	None
15-009(j)	15-2591	0215-97-0019	12-Aug-97	S2	Not Available	3558R	Dibromofluoromethane	103	%	SAMPLE	SURR	None
15-009(j)	15-2591	0215-97-0019	12-Aug-97	S2	Not Available	3559R	Dinitrobenzene[1,4-]	111	%	SAMPLE	SURR	None
15-009(j)	15-2591	0215-97-0019	12-Aug-97	S2	Not Available	3558R	Fluorobiphenyl[2-]	63	%	SAMPLE	SURR	None
15-009(j)	15-2591	0215-97-0019	12-Aug-97	S2	Not Available	3558R	Fluorophenol[2-]	57	%	SAMPLE	SURR	None
15-009(j)	15-2591	0215-97-0019	12-Aug-97	S2	Not Available	3558R	Nitrobenzene-d5	62	%	SAMPLE	SURR	None
15-009(j)	15-2591	0215-97-0019	12-Aug-97	S2	Not Available	3558R	Phenol-d5	61	%	SAMPLE	SURR	None
15-009(j)	15-2591	0215-97-0019	12-Aug-97	S2	Not Available	3558R	Terphenyl-d14[4-]	61	%	SAMPLE	SURR	None
15-009(j)	15-2591	0215-97-0019	12-Aug-97	S2	Not Available	3558R	Toluene-d8	104	%	SAMPLE	SURR	None
15-009(j)	15-2591	0215-97-0019	12-Aug-97	S2	Not Available	3558R	Tribromophenol[2,4,6-]	59	%	SAMPLE	SURR	None
15-009(j)	15-2591	0215-97-0019	12-Aug-97	S2	Not Available	3561R	Uranium-232 Tracer	72	%	SAMPLE	TRACER	None
15-009(j)	15-2590	0215-97-0102	11-Aug-97	S2	Not Available	3552R	Bromofluorobenzene[4-]	112	%	SAMPLE	SURR	None
15-009(j)	15-2590	0215-97-0102	11-Aug-97	S2	Not Available	3552R	Dibromofluoromethane	103	%	SAMPLE	SURR	None
15-009(j)	15-2590	0215-97-0102	11-Aug-97	S2	Not Available	3553R	Dinitrobenzene[1,4-]	90	%	SAMPLE	SURR	None

PRS 15-009(j) VCA QC ANALYTICAL DATA

PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	SAMPLE MATRIX	SAMPLE MEDIUM	REQUEST NUMBER	ANALYTE NAME	STD SAMPLE RESULT	STD REPORTING UNITS	SAMPLE TYPE	ANALYTE TYPE	RFI DATA VALIDATION QUALIFIER
15-009(j)	15-2590	0215-97-0102	11-Aug-97	S2	Not Available	3552R	Fluorobiphenyl[2-]	53	%	SAMPLE	SURR	None
15-009(j)	15-2590	0215-97-0102	11-Aug-97	S2	Not Available	3552R	Fluorophenol[2-]	50	%	SAMPLE	SURR	None
15-009(j)	15-2590	0215-97-0102	11-Aug-97	S2	Not Available	3552R	Nitrobenzene-d5	46	%	SAMPLE	SURR	None
15-009(j)	15-2590	0215-97-0102	11-Aug-97	S2	Not Available	3552R	Phenol-d5	53	%	SAMPLE	SURR	None
15-009(j)	15-2590	0215-97-0102	11-Aug-97	S2	Not Available	3552R	Terphenyl-d14[4-]	63	%	SAMPLE	SURR	None
15-009(j)	15-2590	0215-97-0102	11-Aug-97	S2	Not Available	3552R	Toluene-d8	104	%	SAMPLE	SURR	None
15-009(j)	15-2590	0215-97-0102	11-Aug-97	S2	Not Available	3552R	Tribromophenol[2,4,6-]	65	%	SAMPLE	SURR	None
15-009(j)	15-2590	0215-97-0102	11-Aug-97	S2	Not Available	3555R	Uranium Tracer	72	%	SAMPLE	TRACER	None
15-009(j)	15-2590	0215-97-0102 (R)	11-Aug-97	S2	Not Available	3555R	Uranium Tracer	79	%	DUP	TRACER	None
15-009(j)	15-2590	0215-97-0102 (R)	11-Aug-97	S2	Not Available	3555R	Uranium-234	0.523	PCI/G	DUP	ANALYTE	None
15-009(j)	15-2590	0215-97-0102 (R)	11-Aug-97	S2	Not Available	3555R	Uranium-235	0.019	PCI/G	DUP	ANALYTE	None
15-009(j)	15-2590	0215-97-0102 (R)	11-Aug-97	S2	Not Available	3555R	Uranium-238	0.452	PCI/G	DUP	ANALYTE	None
15-009(j)	15-2591	0215-97-0103	12-Aug-97	S2	Not Available	3558R	Bromofluorobenzene[4-]	96	%	SAMPLE	SURR	None
15-009(j)	15-2591	0215-97-0103	12-Aug-97	S2	Not Available	3558R	Dibromofluoromethane	101	%	SAMPLE	SURR	None
15-009(j)	15-2591	0215-97-0103	12-Aug-97	S2	Not Available	3559R	Dinitrobenzene[1,4-]	110	%	SAMPLE	SURR	None
15-009(j)	15-2591	0215-97-0103	12-Aug-97	S2	Not Available	3558R	Fluorobiphenyl[2-]	63	%	SAMPLE	SURR	None
15-009(j)	15-2591	0215-97-0103	12-Aug-97	S2	Not Available	3558R	Fluorophenol[2-]	58	%	SAMPLE	SURR	None
15-009(j)	15-2591	0215-97-0103	12-Aug-97	S2	Not Available	3558R	Nitrobenzene-d5	61	%	SAMPLE	SURR	None
15-009(j)	15-2591	0215-97-0103	12-Aug-97	S2	Not Available	3558R	Phenol-d5	60	%	SAMPLE	SURR	None
15-009(j)	15-2591	0215-97-0103	12-Aug-97	S2	Not Available	3558R	Terphenyl-d14[4-]	63	%	SAMPLE	SURR	None
15-009(j)	15-2591	0215-97-0103	12-Aug-97	S2	Not Available	3558R	Toluene-d8	102	%	SAMPLE	SURR	None
15-009(j)	15-2591	0215-97-0103	12-Aug-97	S2	Not Available	3558R	Tribromophenol[2,4,6-]	57	%	SAMPLE	SURR	None
15-009(j)	15-2591	0215-97-0103	12-Aug-97	S2	Not Available	3561R	Uranium-232 Tracer	82	%	SAMPLE	TRACER	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Acetone	0	MG/KG	MS	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Benzene	108.2	%	MS	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Benzene	101.8	%	MSD	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Bromobenzene	109.4	%	MS	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Bromobenzene	99.8	%	MSD	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Bromochloromethane	115.9	%	MS	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Bromochloromethane	108.2	%	MSD	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Bromodichloromethane	112.8	%	MS	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Bromodichloromethane	105.2	%	MSD	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Bromoform	137.7	%	MS	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Bromoform	122.1	%	MSD	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Bromomethane	95.1	%	MS	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Bromomethane	89.7	%	MSD	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Butylbenzene[n-]	100.9	%	MS	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Butylbenzene[n-]	92.4	%	MSD	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Butylbenzene[sec-]	101.3	%	MS	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Butylbenzene[sec-]	87.9	%	MSD	ANALYTE	None

PRS 15-009(j) VCA QC ANALYTICAL DATA

PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	SAMPLE MATRIX	SAMPLE MEDIUM	REQUEST NUMBER	ANALYTE NAME	STD SAMPLE RESULT	STD REPORTING UNITS	SAMPLE TYPE	ANALYTE TYPE	RFI DATA VALIDATION QUALIFIER
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Butylbenzene[tert-]	108.7	%	MS	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Butylbenzene[tert-]	100.2	%	MSD	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Carbon Tetrachloride	107.8	%	MS	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Carbon Tetrachloride	101.1	%	MSD	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Chlorobenzene	110	%	MS	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Chlorobenzene	102	%	MSD	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Chlorodibromomethane	117	%	MS	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Chlorodibromomethane	108.3	%	MSD	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Chloroethane	110.4	%	MS	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Chloroethane	136.8	%	MS	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Chloroethane	129.2	%	MSD	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Chloroform	126.7	%	MS	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Chloroform	120.3	%	MSD	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Chloromethane	103.9	%	MSD	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Chlorotoluene[2-]	119	%	MS	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Chlorotoluene[2-]	108.1	%	MSD	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Chlorotoluene[4-]	113.8	%	MS	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Chlorotoluene[4-]	105	%	MSD	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Dibromo-3-chloropropane[1,2-]	181	%	MS	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Dibromo-3-chloropropane[1,2-]	132.9	%	MSD	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Dibromoethane[1,2-]	123.2	%	MS	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Dibromoethane[1,2-]	110.6	%	MSD	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Dibromomethane	116.9	%	MS	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Dibromomethane	106.7	%	MSD	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Dichlorobenzene[1,2-]	113.5	%	MS	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Dichlorobenzene[1,2-]	102.4	%	MSD	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Dichlorobenzene[1,3-]	111.3	%	MS	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Dichlorobenzene[1,3-]	102.1	%	MSD	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Dichlorobenzene[1,4-]	109.5	%	MS	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Dichlorobenzene[1,4-]	99.7	%	MSD	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Dichlorodifluoromethane	98.4	%	MS	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Dichlorodifluoromethane	91.2	%	MSD	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Dichloroethane[1,1-]	107.8	%	MS	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Dichloroethane[1,1-]	114.1	%	MS	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Dichloroethane[1,1-]	107.8	%	MSD	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Dichloroethane[1,2-]	128.8	%	MS	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Dichloroethane[1,2-]	99.9	%	MS	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Dichloroethane[1,2-]	113.7	%	MS	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Dichloroethane[1,2-]	120.8	%	MSD	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Dichloroethane[1,2-]	92.9	%	MSD	ANALYTE	None

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PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	SAMPLE MATRIX	SAMPLE MEDIUM	REQUEST NUMBER	ANALYTE NAME	STD SAMPLE RESULT	STD REPORTING UNITS	SAMPLE TYPE	ANALYTE TYPE	RFI DATA VALIDATION QUALIFIER
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Dichloroethane[1,2-]	105.2	%	MSD	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Dichloroethene[1,1-]	105.4	%	MSD	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Dichloropropane[1,2-]	108.7	%	MS	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Dichloropropane[1,2-]	101.8	%	MSD	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Dichloropropane[1,3-]	107.2	%	MS	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Dichloropropane[1,3-]	109.8	%	MS	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Dichloropropane[1,3-]	118.1	%	MS	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Dichloropropane[1,3-]	97.3	%	MSD	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Dichloropropane[1,3-]	99	%	MSD	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Dichloropropane[1,3-]	108.8	%	MSD	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Dichloropropane[2,2-]	107.5	%	MS	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Dichloropropane[2,2-]	98.3	%	MSD	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Dichloropropene[1,1-]	116.6	%	MS	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Dichloropropene[1,1-]	108.2	%	MSD	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Ethylbenzene	105.8	%	MS	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Ethylbenzene	96.7	%	MSD	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Isopropylbenzene	113.1	%	MS	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Isopropylbenzene	97.9	%	MSD	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Isopropyltoluene[4-]	98.3	%	MS	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Isopropyltoluene[4-]	86.5	%	MSD	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Methylene Chloride	115.4	%	MS	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Methylene Chloride	108.4	%	MSD	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Propylbenzene[1-]	107.8	%	MS	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Propylbenzene[1-]	93.3	%	MSD	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Styrene	108.5	%	MS	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Styrene	98.7	%	MSD	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Tetrachloroethane[1,1,1,2-]	112.8	%	MS	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Tetrachloroethane[1,1,1,2-]	104.7	%	MSD	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Tetrachloroethane[1,1,2,2-]	154.7	%	MS	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Tetrachloroethane[1,1,2,2-]	111.8	%	MSD	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Tetrachloroethene	107.5	%	MS	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Tetrachloroethene	101.7	%	MSD	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Toluene	107.5	%	MS	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Toluene	98.3	%	MSD	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Trichloroethane[1,1,1-]	111.3	%	MS	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Trichloroethane[1,1,1-]	104.8	%	MSD	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Trichloroethane[1,1,2-]	113.4	%	MS	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Trichloroethane[1,1,2-]	102.5	%	MSD	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Trichloroethene	108.7	%	MS	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Trichloroethene	113.2	%	MSD	ANALYTE	None

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Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Trichlorofluoromethane	107.8	%	MS	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Trichlorofluoromethane	102.1	%	MSD	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Trichloropropane[1,2,3-]	151.4	%	MS	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Trichloropropane[1,2,3-]	120.7	%	MSD	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Trimethylbenzene[1,2,4-]	117.1	%	MS	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Trimethylbenzene[1,2,4-]	107.5	%	MSD	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Trimethylbenzene[1,3,5-]	116.2	%	MS	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Trimethylbenzene[1,3,5-]	108.3	%	MSD	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Vinyl Chloride	111.8	%	MS	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Vinyl Chloride	104.5	%	MSD	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Xylene (Total)	108.5	%	MS	ANALYTE	None
Not Available	16-2740	0316-97-0500	7-Aug-97	S2	QBT4	3532R	Xylene (Total)	100.5	%	MSD	ANALYTE	None
Not Available	16-4020	0316-97-0597	8-Aug-97	SN	Not Available	3526R	Acenaphthene	76	%	MS	ANALYTE	None
Not Available	16-4020	0316-97-0597	8-Aug-97	SN	Not Available	3526R	Acenaphthene	77	%	MSD	ANALYTE	None
Not Available	16-4020	0316-97-0597	8-Aug-97	SN	Not Available	3526R	Chloro-3-methylphenol[4-]	74	%	MS	ANALYTE	None
Not Available	16-4020	0316-97-0597	8-Aug-97	SN	Not Available	3526R	Chloro-3-methylphenol[4-]	74	%	MSD	ANALYTE	None
Not Available	16-4020	0316-97-0597	8-Aug-97	SN	Not Available	3526R	Chlorophenol[2-]	69	%	MS	ANALYTE	None
Not Available	16-4020	0316-97-0597	8-Aug-97	SN	Not Available	3526R	Chlorophenol[2-]	72	%	MSD	ANALYTE	None
Not Available	16-4020	0316-97-0597	8-Aug-97	SN	Not Available	3526R	Dichlorobenzene[1,4-]	67	%	MS	ANALYTE	None
Not Available	16-4020	0316-97-0597	8-Aug-97	SN	Not Available	3526R	Dichlorobenzene[1,4-]	70	%	MSD	ANALYTE	None
Not Available	16-4020	0316-97-0597	8-Aug-97	SN	Not Available	3526R	Dinitrotoluene[2,4-]	73	%	MS	ANALYTE	None
Not Available	16-4020	0316-97-0597	8-Aug-97	SN	Not Available	3526R	Dinitrotoluene[2,4-]	65	%	MSD	ANALYTE	None
Not Available	16-4020	0316-97-0597	8-Aug-97	SN	Not Available	3526R	Fluorobiphenyl[2-]	71	%	MS	SURR	None
Not Available	16-4020	0316-97-0597	8-Aug-97	SN	Not Available	3526R	Fluorobiphenyl[2-]	69	%	MSD	SURR	None
Not Available	16-4020	0316-97-0597	8-Aug-97	SN	Not Available	3526R	Fluorophenol[2-]	62	%	MS	SURR	None
Not Available	16-4020	0316-97-0597	8-Aug-97	SN	Not Available	3526R	Fluorophenol[2-]	66	%	MSD	SURR	None
Not Available	16-4020	0316-97-0597	8-Aug-97	SN	Not Available	3526R	Nitrobenzene-d5	58	%	MS	SURR	None
Not Available	16-4020	0316-97-0597	8-Aug-97	SN	Not Available	3526R	Nitrobenzene-d5	63	%	MSD	SURR	None
Not Available	16-4020	0316-97-0597	8-Aug-97	SN	Not Available	3526R	Nitrophenol[4-]	63	%	MS	ANALYTE	None
Not Available	16-4020	0316-97-0597	8-Aug-97	SN	Not Available	3526R	Nitrophenol[4-]	57	%	MSD	ANALYTE	None
Not Available	16-4020	0316-97-0597	8-Aug-97	SN	Not Available	3526R	Nitroso-di-n-propylamine[N-]	74	%	MS	ANALYTE	None
Not Available	16-4020	0316-97-0597	8-Aug-97	SN	Not Available	3526R	Nitroso-di-n-propylamine[N-]	76	%	MSD	ANALYTE	None
Not Available	16-4020	0316-97-0597	8-Aug-97	SN	Not Available	3526R	Pentachlorophenol	58	%	MS	ANALYTE	None
Not Available	16-4020	0316-97-0597	8-Aug-97	SN	Not Available	3526R	Pentachlorophenol	53	%	MSD	ANALYTE	None
Not Available	16-4020	0316-97-0597	8-Aug-97	SN	Not Available	3526R	Phenol	65	%	MS	ANALYTE	None
Not Available	16-4020	0316-97-0597	8-Aug-97	SN	Not Available	3526R	Phenol	67	%	MSD	ANALYTE	None
Not Available	16-4020	0316-97-0597	8-Aug-97	SN	Not Available	3526R	Phenol-d6	66	%	MS	SURR	None
Not Available	16-4020	0316-97-0597	8-Aug-97	SN	Not Available	3526R	Phenol-d6	68	%	MSD	SURR	None
Not Available	16-4020	0316-97-0597	8-Aug-97	SN	Not Available	3526R	Pyrene	88	%	MS	ANALYTE	None
Not Available	16-4020	0316-97-0597	8-Aug-97	SN	Not Available	3526R	Pyrene	100	%	MSD	ANALYTE	None

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Not Available	16-4020	0316-97-0597	8-Aug-97	SN	Not Available	3526R	Terphenyl-d14[4-]	88	%	MS	SURR	None
Not Available	16-4020	0316-97-0597	8-Aug-97	SN	Not Available	3526R	Terphenyl-d14[4-]	93	%	MSD	SURR	None
Not Available	16-4020	0316-97-0597	8-Aug-97	SN	Not Available	3526R	Tribromophenol[2,4,6-]	71	%	MS	SURR	None
Not Available	16-4020	0316-97-0597	8-Aug-97	SN	Not Available	3526R	Tribromophenol[2,4,6-]	71	%	MSD	SURR	None
Not Available	16-4020	0316-97-0597	8-Aug-97	SN	Not Available	3526R	Trichlorobenzene[1,2,4-]	67	%	MS	ANALYTE	None
Not Available	16-4020	0316-97-0597	8-Aug-97	SN	Not Available	3526R	Trichlorobenzene[1,2,4-]	72	%	MSD	ANALYTE	None
Not Available	16-2706	0316-97-2020	3-Aug-97	CO	QBT4	3518R	Amino-4,6-dinitrotoluene[2-]	63	%	MS	ANALYTE	None
Not Available	16-2706	0316-97-2020	3-Aug-97	CO	QBT4	3518R	Amino-4,6-dinitrotoluene[2-]	68	%	MSD	ANALYTE	None
Not Available	16-2706	0316-97-2020	3-Aug-97	CO	QBT4	3518R	Dinitrobenzene[1,3-]	65	%	MS	ANALYTE	None
Not Available	16-2706	0316-97-2020	3-Aug-97	CO	QBT4	3518R	Dinitrobenzene[1,3-]	62	%	MSD	ANALYTE	None
Not Available	16-2706	0316-97-2020	3-Aug-97	CO	QBT4	3518R	Dinitrobenzene[1,4-]	68	%	MS	SURR	None
Not Available	16-2706	0316-97-2020	3-Aug-97	CO	QBT4	3518R	Dinitrobenzene[1,4-]	64	%	MSD	SURR	None
Not Available	16-2706	0316-97-2020	3-Aug-97	CO	QBT4	3518R	Dinitrotoluene[2,4-]	64	%	MS	ANALYTE	None
Not Available	16-2706	0316-97-2020	3-Aug-97	CO	QBT4	3518R	Dinitrotoluene[2,4-]	73	%	MSD	ANALYTE	None
Not Available	16-2706	0316-97-2020	3-Aug-97	CO	QBT4	3518R	HMX	-170	%	MS	ANALYTE	None
Not Available	16-2706	0316-97-2020	3-Aug-97	CO	QBT4	3518R	HMX	11	%	MSD	ANALYTE	None
Not Available	16-2706	0316-97-2020	3-Aug-97	CO	QBT4	3518R	Nitrobenzene	95	%	MS	ANALYTE	None
Not Available	16-2706	0316-97-2020	3-Aug-97	CO	QBT4	3518R	Nitrobenzene	86	%	MSD	ANALYTE	None
Not Available	16-2706	0316-97-2020	3-Aug-97	CO	QBT4	3518R	RDX	105	%	MS	ANALYTE	None
Not Available	16-2706	0316-97-2020	3-Aug-97	CO	QBT4	3518R	RDX	116	%	MSD	ANALYTE	None
Not Available	16-2706	0316-97-2020	3-Aug-97	CO	QBT4	3518R	Trinitrobenzene[1,3,5-]	40	%	MS	ANALYTE	None
Not Available	16-2706	0316-97-2020	3-Aug-97	CO	QBT4	3518R	Trinitrobenzene[1,3,5-]	68	%	MSD	ANALYTE	None
Not Available	16-2706	0316-97-2020	3-Aug-97	CO	QBT4	3518R	Trinitrotoluene[2,4,6-]	79	%	MS	ANALYTE	None
Not Available	16-2706	0316-97-2020	3-Aug-97	CO	QBT4	3518R	Trinitrotoluene[2,4,6-]	73	%	MSD	ANALYTE	None
Not Available	35-2545	0435-97-0329 (R)	31-Jul-97	SS	Not Available	3496R	Uranium Tracer	97.8	%	DUP	TRACER	None
Not Available	35-2545	0435-97-0329 (R)	31-Jul-97	SS	Not Available	3496R	Uranium-234	0.6641	PCI/G	DUP	ANALYTE	None
Not Available	35-2545	0435-97-0329 (R)	31-Jul-97	SS	Not Available	3496R	Uranium-238	0.7275	PCI/G	DUP	ANALYTE	None
Not Available	35-2545	0435-97-0329 (R)	31-Jul-97	SS	Not Available	3496R	Uranium235 + Uranium-236	0.0283	PCI/G	DUP	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17454	Not Applicable	SOIL	Not Applicable	3512R	Uranium Tracer	101.1	%	LCS	TRACER	None
Not Applicable	Not Applicable	QC-97-17454	Not Applicable	SOIL	Not Applicable	3512R	Uranium-234	96.3	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17454	Not Applicable	SOIL	Not Applicable	3512R	Uranium-238	99.3	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17455	Not Applicable	SOIL	Not Applicable	3512R	Uranium Tracer	101.1	%	BS	TRACER	None
Not Applicable	Not Applicable	QC-97-17455	Not Applicable	SOIL	Not Applicable	3512R	Uranium-234	96.3	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17455	Not Applicable	SOIL	Not Applicable	3512R	Uranium-238	99.3	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17456	Not Applicable	SOIL	Not Applicable	3512R	Uranium Tracer	78.7	%	BLANK	TRACER	None
Not Applicable	Not Applicable	QC-97-17456	Not Applicable	SOIL	Not Applicable	3512R	Uranium-234	0.037	PCI/G	BLANK	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17456	Not Applicable	SOIL	Not Applicable	3512R	Uranium-238	0.025	PCI/G	BLANK	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17456	Not Applicable	SOIL	Not Applicable	3512R	Uranium235 + Uranium-236	0.003	PCI/G	BLANK	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17501	Not Applicable	SOIL	Not Applicable	3555R	Uranium Tracer	96	%	BLANK	TRACER	None
Not Applicable	Not Applicable	QC-97-17501	Not Applicable	SOIL	Not Applicable	3555R	Uranium-234	0.0106	PCI/G	BLANK	ANALYTE	None

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PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	SAMPLE MATRIX	SAMPLE MEDIUM	REQUEST NUMBER	ANALYTE NAME	STD SAMPLE RESULT	STD REPORTING UNITS	SAMPLE TYPE	ANALYTE TYPE	RFI DATA VALIDATION QUALIFIER
Not Applicable	Not Applicable	QC-97-17501	Not Applicable	SOIL	Not Applicable	3555R	Uranium-235	0.0044	PCI/G	BLANK	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17501	Not Applicable	SOIL	Not Applicable	3555R	Uranium-238	0.0133	PCI/G	BLANK	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17502	Not Applicable	SOIL	Not Applicable	3555R	Uranium Tracer	87	%	LCS	TRACER	None
Not Applicable	Not Applicable	QC-97-17502	Not Applicable	SOIL	Not Applicable	3555R	Uranium-234	87	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17502	Not Applicable	SOIL	Not Applicable	3555R	Uranium-235	0.21	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17502	Not Applicable	SOIL	Not Applicable	3555R	Uranium-238	88	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17512	Not Applicable	SOIL	Not Applicable	3515R	Acetone	0.02	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17512	Not Applicable	SOIL	Not Applicable	3515R	Benzene	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17512	Not Applicable	SOIL	Not Applicable	3515R	Bromobenzene	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17512	Not Applicable	SOIL	Not Applicable	3515R	Bromochloromethane	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17512	Not Applicable	SOIL	Not Applicable	3515R	Bromodichloromethane	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17512	Not Applicable	SOIL	Not Applicable	3515R	Bromofluorobenzene[4-]	105	%	BLANK	SURR	None
Not Applicable	Not Applicable	QC-97-17512	Not Applicable	SOIL	Not Applicable	3515R	Bromoform	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17512	Not Applicable	SOIL	Not Applicable	3515R	Bromomethane	0.01	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17512	Not Applicable	SOIL	Not Applicable	3515R	Butanone[2-]	0.02	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17512	Not Applicable	SOIL	Not Applicable	3515R	Butylbenzene[n-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17512	Not Applicable	SOIL	Not Applicable	3515R	Butylbenzene[sec-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17512	Not Applicable	SOIL	Not Applicable	3515R	Butylbenzene[tert-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17512	Not Applicable	SOIL	Not Applicable	3515R	Carbon Disulfide	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17512	Not Applicable	SOIL	Not Applicable	3515R	Carbon Tetrachloride	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17512	Not Applicable	SOIL	Not Applicable	3515R	Chlorobenzene	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17512	Not Applicable	SOIL	Not Applicable	3515R	Chlorodibromomethane	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17512	Not Applicable	SOIL	Not Applicable	3515R	Chloroethane	0.01	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17512	Not Applicable	SOIL	Not Applicable	3515R	Chloroform	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17512	Not Applicable	SOIL	Not Applicable	3515R	Chloromethane	0.01	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17512	Not Applicable	SOIL	Not Applicable	3515R	Chlorotoluene[2-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17512	Not Applicable	SOIL	Not Applicable	3515R	Chlorotoluene[4-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17512	Not Applicable	SOIL	Not Applicable	3515R	Dibromo-3-chloropropane[1,2-]	0.01	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17512	Not Applicable	SOIL	Not Applicable	3515R	Dibromoethane[1,2-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17512	Not Applicable	SOIL	Not Applicable	3515R	Dibromofluoromethane	106	%	BLANK	SURR	None
Not Applicable	Not Applicable	QC-97-17512	Not Applicable	SOIL	Not Applicable	3515R	Dibromomethane	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17512	Not Applicable	SOIL	Not Applicable	3515R	Dichlorobenzene[1,2-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17512	Not Applicable	SOIL	Not Applicable	3515R	Dichlorobenzene[1,3-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17512	Not Applicable	SOIL	Not Applicable	3515R	Dichlorobenzene[1,4-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17512	Not Applicable	SOIL	Not Applicable	3515R	Dichlorodifluoromethane	0.01	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17512	Not Applicable	SOIL	Not Applicable	3515R	Dichloroethane[1,1-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17512	Not Applicable	SOIL	Not Applicable	3515R	Dichloroethane[1,2-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17512	Not Applicable	SOIL	Not Applicable	3515R	Dichloroethene[1,1-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17512	Not Applicable	SOIL	Not Applicable	3515R	Dichloroethene[cis-1,2-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17512	Not Applicable	SOIL	Not Applicable	3515R	Dichloroethene[trans-1,2-]	0.005	MG/KG	BLANK	ANALYTE	U

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Not Applicable	Not Applicable	QC-97-17512	Not Applicable	SOIL	Not Applicable	3515R	Dichloropropane[1,2-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17512	Not Applicable	SOIL	Not Applicable	3515R	Dichloropropane[1,3-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17512	Not Applicable	SOIL	Not Applicable	3515R	Dichloropropane[2,2-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17512	Not Applicable	SOIL	Not Applicable	3515R	Dichloropropene[1,1-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17512	Not Applicable	SOIL	Not Applicable	3515R	Dichloropropene[cis-1,3-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17512	Not Applicable	SOIL	Not Applicable	3515R	Dichloropropene[trans-1,3-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17512	Not Applicable	SOIL	Not Applicable	3515R	Ethylbenzene	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17512	Not Applicable	SOIL	Not Applicable	3515R	Hexanone[2-]	0.02	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17512	Not Applicable	SOIL	Not Applicable	3515R	Iodomethane	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17512	Not Applicable	SOIL	Not Applicable	3515R	Isopropylbenzene	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17512	Not Applicable	SOIL	Not Applicable	3515R	Isopropyltoluene[4-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17512	Not Applicable	SOIL	Not Applicable	3515R	Methyl-2-pentanone[4-]	0.02	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17512	Not Applicable	SOIL	Not Applicable	3515R	Methylene Chloride	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17512	Not Applicable	SOIL	Not Applicable	3515R	Propylbenzene[1-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17512	Not Applicable	SOIL	Not Applicable	3515R	Styrene	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17512	Not Applicable	SOIL	Not Applicable	3515R	Tetrachloroethane[1,1,1,2-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17512	Not Applicable	SOIL	Not Applicable	3515R	Tetrachloroethane[1,1,2,2-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17512	Not Applicable	SOIL	Not Applicable	3515R	Tetrachloroethene	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17512	Not Applicable	SOIL	Not Applicable	3515R	Toluene	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17512	Not Applicable	SOIL	Not Applicable	3515R	Toluene-d8	104	%	BLANK	SURR	None
Not Applicable	Not Applicable	QC-97-17512	Not Applicable	SOIL	Not Applicable	3515R	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17512	Not Applicable	SOIL	Not Applicable	3515R	Trichloroethane[1,1,1-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17512	Not Applicable	SOIL	Not Applicable	3515R	Trichloroethane[1,1,2-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17512	Not Applicable	SOIL	Not Applicable	3515R	Trichloroethene	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17512	Not Applicable	SOIL	Not Applicable	3515R	Trichlorofluoromethane	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17512	Not Applicable	SOIL	Not Applicable	3515R	Trichloropropane[1,2,3-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17512	Not Applicable	SOIL	Not Applicable	3515R	Trimethylbenzene[1,2,4-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17512	Not Applicable	SOIL	Not Applicable	3515R	Trimethylbenzene[1,3,5-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17512	Not Applicable	SOIL	Not Applicable	3515R	Vinyl Chloride	0.01	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17512	Not Applicable	SOIL	Not Applicable	3515R	Xylene (Total)	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17513	Not Applicable	SOIL	Not Applicable	3515R	Benzene	94.8	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17513	Not Applicable	SOIL	Not Applicable	3515R	Bromobenzene	87.9	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17513	Not Applicable	SOIL	Not Applicable	3515R	Bromochloromethane	100.9	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17513	Not Applicable	SOIL	Not Applicable	3515R	Bromodichloromethane	101.8	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17513	Not Applicable	SOIL	Not Applicable	3515R	Bromofluorobenzene[4-]	104	%	LCS	SURR	None
Not Applicable	Not Applicable	QC-97-17513	Not Applicable	SOIL	Not Applicable	3515R	Bromoform	109.9	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17513	Not Applicable	SOIL	Not Applicable	3515R	Bromomethane	86.6	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17513	Not Applicable	SOIL	Not Applicable	3515R	Butylbenzene[n-]	96.9	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17513	Not Applicable	SOIL	Not Applicable	3515R	Butylbenzene[sec-]	93.3	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17513	Not Applicable	SOIL	Not Applicable	3515R	Butylbenzene[tert-]	91.7	%	LCS	ANALYTE	None

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Not Applicable	Not Applicable	QC-97-17513	Not Applicable	SOIL	Not Applicable	3515R	Carbon Tetrachloride	94.6	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17513	Not Applicable	SOIL	Not Applicable	3515R	Chlorobenzene	95.7	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17513	Not Applicable	SOIL	Not Applicable	3515R	Chlorodibromomethane	104.7	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17513	Not Applicable	SOIL	Not Applicable	3515R	Chloroethane	120.3	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17513	Not Applicable	SOIL	Not Applicable	3515R	Chloroform	95.3	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17513	Not Applicable	SOIL	Not Applicable	3515R	Chloromethane	94.1	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17513	Not Applicable	SOIL	Not Applicable	3515R	Chlorotoluene[2-]	97.3	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17513	Not Applicable	SOIL	Not Applicable	3515R	Chlorotoluene[4-]	88.8	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17513	Not Applicable	SOIL	Not Applicable	3515R	Dibromo-3-chloropropane[1,2-]	133.7	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17513	Not Applicable	SOIL	Not Applicable	3515R	Dibromoethane[1,2-]	108.6	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17513	Not Applicable	SOIL	Not Applicable	3515R	Dibromofluoromethane	109	%	LCS	SURR	None
Not Applicable	Not Applicable	QC-97-17513	Not Applicable	SOIL	Not Applicable	3515R	Dibromomethane	102	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17513	Not Applicable	SOIL	Not Applicable	3515R	Dichlorobenzene[1,2-]	100.5	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17513	Not Applicable	SOIL	Not Applicable	3515R	Dichlorobenzene[1,3-]	93.9	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17513	Not Applicable	SOIL	Not Applicable	3515R	Dichlorobenzene[1,4-]	91.8	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17513	Not Applicable	SOIL	Not Applicable	3515R	Dichlorodifluoromethane	95	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17513	Not Applicable	SOIL	Not Applicable	3515R	Dichloroethane[1,1-]	96.7	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17513	Not Applicable	SOIL	Not Applicable	3515R	Dichloroethane[1,2-]	99.7	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17513	Not Applicable	SOIL	Not Applicable	3515R	Dichloroethene[1,1-]	94.8	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17513	Not Applicable	SOIL	Not Applicable	3515R	Dichloroethene[cis-1,2-]	83.1	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17513	Not Applicable	SOIL	Not Applicable	3515R	Dichloroethene[trans-1,2-]	107.5	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17513	Not Applicable	SOIL	Not Applicable	3515R	Dichloropropane[1,2-]	98	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17513	Not Applicable	SOIL	Not Applicable	3515R	Dichloropropane[1,3-]	103.3	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17513	Not Applicable	SOIL	Not Applicable	3515R	Dichloropropane[2,2-]	85.7	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17513	Not Applicable	SOIL	Not Applicable	3515R	Dichloropropene[1,1-]	102	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17513	Not Applicable	SOIL	Not Applicable	3515R	Dichloropropene[cis-1,3-]	97.8	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17513	Not Applicable	SOIL	Not Applicable	3515R	Dichloropropene[trans-1,3-]	98	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17513	Not Applicable	SOIL	Not Applicable	3515R	Ethylbenzene	88.6	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17513	Not Applicable	SOIL	Not Applicable	3515R	Isopropylbenzene	94.6	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17513	Not Applicable	SOIL	Not Applicable	3515R	Isopropyltoluene[4-]	94.7	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17513	Not Applicable	SOIL	Not Applicable	3515R	Methylene Chloride	101.5	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17513	Not Applicable	SOIL	Not Applicable	3515R	Propylbenzene[1-]	92	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17513	Not Applicable	SOIL	Not Applicable	3515R	Styrene	93.1	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17513	Not Applicable	SOIL	Not Applicable	3515R	Tetrachloroethane[1,1,1,2-]	97.4	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17513	Not Applicable	SOIL	Not Applicable	3515R	Tetrachloroethane[1,1,2,2-]	125.7	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17513	Not Applicable	SOIL	Not Applicable	3515R	Tetrachloroethene	91.4	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17513	Not Applicable	SOIL	Not Applicable	3515R	Toluene	96.1	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17513	Not Applicable	SOIL	Not Applicable	3515R	Toluene-d8	105	%	LCS	SURR	None
Not Applicable	Not Applicable	QC-97-17513	Not Applicable	SOIL	Not Applicable	3515R	Trichloroethane[1,1,1-]	95.7	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17513	Not Applicable	SOIL	Not Applicable	3515R	Trichloroethane[1,1,2-]	105.6	%	LCS	ANALYTE	None

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PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	SAMPLE MATRIX	SAMPLE MEDIUM	REQUEST NUMBER	ANALYTE NAME	STD SAMPLE RESULT	STD REPORTING UNITS	SAMPLE TYPE	ANALYTE TYPE	RFI DATA VALIDATION QUALIFIER
Not Applicable	Not Applicable	QC-97-17513	Not Applicable	SOIL	Not Applicable	3515R	Trichloroethene	93.2	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17513	Not Applicable	SOIL	Not Applicable	3515R	Trichlorofluoromethane	95.6	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17513	Not Applicable	SOIL	Not Applicable	3515R	Trichloropropane[1,2,3-]	122.9	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17513	Not Applicable	SOIL	Not Applicable	3515R	Trimethylbenzene[1,2,4-]	94.6	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17513	Not Applicable	SOIL	Not Applicable	3515R	Trimethylbenzene[1,3,5-]	94.2	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17513	Not Applicable	SOIL	Not Applicable	3515R	Vinyl Chloride	95.1	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17513	Not Applicable	SOIL	Not Applicable	3515R	Xylene (Total)	96.6	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Acenaphthene	0.165	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Acenaphthylene	0.165	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Aniline	0.165	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Anthracene	0.165	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Azobenzene	0.165	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Benzo(a)anthracene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Benzo(a)pyrene	0.165	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Benzo(b)fluoranthene	0.165	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Benzo(g,h,i)perylene	0.165	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Benzo(k)fluoranthene	0.165	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Benzoic Acid	0.825	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Benzyl Alcohol	0.165	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Bis(2-chloroethoxy)methane	0.165	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Bis(2-chloroethyl)ether	0.165	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Bis(2-ethylhexyl)phthalate	0.165	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Bromophenyl-phenylether[4-]	0.165	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Butylbenzylphthalate	0.165	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Carbazole	0.165	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Chloro-3-methylphenol[4-]	0.165	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Chloroaniline[4-]	0.165	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Chloronaphthalene[2-]	0.165	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Chlorophenol[2-]	0.165	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Chlorophenyl-phenyl[4-] Ether	0.165	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Chrysene	0.165	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Di-n-butylphthalate	0.165	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Di-n-octylphthalate	0.165	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Dibenz(a,h)anthracene	0.165	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Dibenzofuran	0.165	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Dichlorobenzene[1,2-]	0.165	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Dichlorobenzene[1,3-]	0.165	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Dichlorobenzene[1,4-]	0.165	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Dichlorobenzidine[3,3'-]	0.165	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Dichlorophenol[2,4-]	0.165	MG/KG	BLANK	ANALYTE	U

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PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	SAMPLE MATRIX	SAMPLE MEDIUM	REQUEST NUMBER	ANALYTE NAME	STD SAMPLE RESULT	STD REPORTING UNITS	SAMPLE TYPE	ANALYTE TYPE	RFI DATA VALIDATION QUALIFIER
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Diethylphthalate	0.165	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Dimethyl Phthalate	0.165	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Dimethylphenol[2,4-]	0.165	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Dinitro-2-methylphenol[4,6-]	0.825	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Dinitrophenol[2,4-]	0.825	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Dinitrotoluene[2,4-]	0.165	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Dinitrotoluene[2,6-]	0.165	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Fluoranthene	0.165	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Fluorene	0.165	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Fluorobiphenyl[2-]	16.5	%	BLANK	SURR	None
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Fluorophenol[2-]	26.9	%	BLANK	SURR	None
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Hexachlorobenzene	0.165	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Hexachlorobutadiene	0.165	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Hexachlorocyclopentadiene	0.165	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Hexachloroethane	0.165	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Indeno(1,2,3-cd)pyrene	0.165	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Isophorone	0.165	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Methylnaphthalene[2-]	0.165	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Methylphenol[2-]	0.165	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Methylphenol[4-]	0.165	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Naphthalene	0.165	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Nitroaniline[2-]	0.825	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Nitroaniline[3-]	0.825	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Nitroaniline[4-]	0.825	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Nitrobenzene	0.165	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Nitrobenzene-d5	15.4	%	BLANK	SURR	None
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Nitrophenol[2-]	0.165	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Nitrophenol[4-]	0.825	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Nitroso-di-n-propylamine[N-]	0.165	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Nitrosodimethylamine[N-]	0.165	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Nitrosodiphenylamine[N-]	0.165	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Oxybis(1-chloropropane)[2,2'-]	0.165	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Pentachlorophenol	0.825	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Phenanthrene	0.165	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Phenol	0.165	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Phenol-d5	27.3	%	BLANK	SURR	None
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Pyrene	0.165	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Pyridine	0.165	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Terphenyl-d14[4-]	28.2	%	BLANK	SURR	None
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Tribromophenol[2,4,6-]	27.6	%	BLANK	SURR	None

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PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	SAMPLE MATRIX	SAMPLE MEDIUM	REQUEST NUMBER	ANALYTE NAME	STD SAMPLE RESULT	STD REPORTING UNITS	SAMPLE TYPE	ANALYTE TYPE	RFI DATA VALIDATION QUALIFIER
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Trichlorobenzene[1,2,4-]	0.165	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Trichlorophenol[2,4,5-]	0.165	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17516	Not Applicable	SOIL	Not Applicable	3515R	Trichlorophenol[2,4,6-]	0.165	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Acenaphthene	30	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Acenaphthylene	31	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Aniline	26	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Anthracene	54	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Azobenzene	40	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Benzo(a)anthracene	58	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Benzo(a)pyrene	58	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Benzo(b)fluoranthene	57	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Benzo(g,h,i)perylene	38	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Benzo(k)fluoranthene	57	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Benzoic Acid	18	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Benzyl Alcohol	28	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Bis(2-chloroethoxy)methane	29	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Bis(2-chloroethyl)ether	25	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Bis(2-ethylhexyl)phthalate	60	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Bromophenyl-phenylether[4-]	38	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Butylbenzylphthalate	59	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Carbazole	62	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Chloro-3-methylphenol[4-]	30	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Chloroaniline[4-]	29	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Chloronaphthalene[2-]	31	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Chlorophenol[2-]	28	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Chlorophenyl-phenyl[4-] Ether	32	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Chrysene	62	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Di-n-butylphthalate	59	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Di-n-octylphthalate	48	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Dibenz(a,h)anthracene	49	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Dibenzofuran	33	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Dichlorobenzene[1,2-]	27	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Dichlorobenzene[1,3-]	27	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Dichlorobenzene[1,4-]	26	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Dichlorobenzidine[3,3'-]	67	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Dichlorophenol[2,4-]	27	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Diethylphthalate	50	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Dimethyl Phthalate	41	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Dimethylphenol[2,4-]	28	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Dinitro-2-methylphenol[4,6-]	19	%	LCS	ANALYTE	None

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Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Dinitrophenol[2,4-]	9	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Dinitrotoluene[2,4-]	52	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Dinitrotoluene[2,6-]	40	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Fluoranthene	60	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Fluorene	37	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Fluorobiphenyl[2-]	31	%	LCS	SURR	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Fluorophenol[2-]	28	%	LCS	SURR	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Hexachlorobenzene	49	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Hexachlorobutadiene	28	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Hexachloroethane	26	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Indeno(1,2,3-cd)pyrene	45	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Isophorone	30	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Methylnaphthalene[2-]	29	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Methylphenol[2-]	28	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Methylphenol[4-]	28	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Naphthalene	29	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Nitroaniline[2-]	38	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Nitroaniline[3-]	46	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Nitroaniline[4-]	56	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Nitrobenzene	29	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Nitrobenzene-d5	30	%	LCS	SURR	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Nitrophenol[2-]	27	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Nitrophenol[4-]	51	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Nitroso-di-n-propylamine[N-]	27	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Nitrosodimethylamine[N-]	19	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Nitrosodiphenylamine[N-]	51	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Oxybis(1-chloropropane)[2,2'-]	24	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Pentachlorophenol	52	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Phenanthrene	54	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Phenol	28	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Phenol-d5	29	%	LCS	SURR	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Pyrene	61	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Terphenyl-d14[4-]	63	%	LCS	SURR	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Tribromophenol[2,4,6-]	45	%	LCS	SURR	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Trichlorobenzene[1,2,4-]	27	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Trichlorophenol[2,4,5-]	31	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17517	Not Applicable	SOIL	Not Applicable	3515R	Trichlorophenol[2,4,6-]	30	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17523	Not Applicable	SOIL	Not Applicable	3516R	Lead	-0.074	MG/KG	BLANK	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17524	Not Applicable	SOIL	Not Applicable	3516R	Lead	88.7	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17525	Not Applicable	SOIL	Not Applicable	3516R	Selenium	0.085	MG/KG	BLANK	ANALYTE	U

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PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	SAMPLE MATRIX	SAMPLE MEDIUM	REQUEST NUMBER	ANALYTE NAME	STD SAMPLE RESULT	STD REPORTING UNITS	SAMPLE TYPE	ANALYTE TYPE	RFI DATA VALIDATION QUALIFIER
Not Applicable	Not Applicable	QC-97-17526	Not Applicable	SOIL	Not Applicable	3516R	Selenium	103.2	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17527	Not Applicable	SOIL	Not Applicable	3516R	Thallium	0.03	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17528	Not Applicable	SOIL	Not Applicable	3516R	Thallium	112.5	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17531	Not Applicable	SOIL	Not Applicable	3516R	Aluminum	1.12	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17531	Not Applicable	SOIL	Not Applicable	3516R	Antimony	2.075	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17531	Not Applicable	SOIL	Not Applicable	3516R	Barium	0.055	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17531	Not Applicable	SOIL	Not Applicable	3516R	Beryllium	0.01	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17531	Not Applicable	SOIL	Not Applicable	3516R	Cadmium	0.24	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17531	Not Applicable	SOIL	Not Applicable	3516R	Calcium	1.875	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17531	Not Applicable	SOIL	Not Applicable	3516R	Chromium, Total	0.165	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17531	Not Applicable	SOIL	Not Applicable	3516R	Cobalt	0.23	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17531	Not Applicable	SOIL	Not Applicable	3516R	Copper	0.18	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17531	Not Applicable	SOIL	Not Applicable	3516R	Iron	0.145	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17531	Not Applicable	SOIL	Not Applicable	3516R	Lead	1.545	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17531	Not Applicable	SOIL	Not Applicable	3516R	Magnesium	1.79	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17531	Not Applicable	SOIL	Not Applicable	3516R	Manganese	0.045	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17531	Not Applicable	SOIL	Not Applicable	3516R	Nickel	0.775	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17531	Not Applicable	SOIL	Not Applicable	3516R	Potassium	45.9	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17531	Not Applicable	SOIL	Not Applicable	3516R	Silver	0.23	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17531	Not Applicable	SOIL	Not Applicable	3516R	Sodium	1.54	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17531	Not Applicable	SOIL	Not Applicable	3516R	Vanadium	0.176	MG/KG	BLANK	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17531	Not Applicable	SOIL	Not Applicable	3516R	Zinc	0.245	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17532	Not Applicable	SOIL	Not Applicable	3516R	Aluminum	106.1	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17532	Not Applicable	SOIL	Not Applicable	3516R	Antimony	115.4	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17532	Not Applicable	SOIL	Not Applicable	3516R	Barium	94.7	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17532	Not Applicable	SOIL	Not Applicable	3516R	Beryllium	95.6	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17532	Not Applicable	SOIL	Not Applicable	3516R	Cadmium	93.4	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17532	Not Applicable	SOIL	Not Applicable	3516R	Calcium	111.8	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17532	Not Applicable	SOIL	Not Applicable	3516R	Chromium, Total	97.2	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17532	Not Applicable	SOIL	Not Applicable	3516R	Cobalt	93.4	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17532	Not Applicable	SOIL	Not Applicable	3516R	Copper	95.5	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17532	Not Applicable	SOIL	Not Applicable	3516R	Iron	102.7	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17532	Not Applicable	SOIL	Not Applicable	3516R	Lead	92.1	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17532	Not Applicable	SOIL	Not Applicable	3516R	Magnesium	98.2	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17532	Not Applicable	SOIL	Not Applicable	3516R	Manganese	94.7	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17532	Not Applicable	SOIL	Not Applicable	3516R	Nickel	94.3	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17532	Not Applicable	SOIL	Not Applicable	3516R	Potassium	107	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17532	Not Applicable	SOIL	Not Applicable	3516R	Silver	116.5	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17532	Not Applicable	SOIL	Not Applicable	3516R	Sodium	102.7	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17532	Not Applicable	SOIL	Not Applicable	3516R	Vanadium	95	%	LCS	ANALYTE	None

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Not Applicable	Not Applicable	QC-97-17532	Not Applicable	SOIL	Not Applicable	3516R	Zinc	97.3	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17533	Not Applicable	SOIL	Not Applicable	3516R	Arsenic	0.06	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17534	Not Applicable	SOIL	Not Applicable	3516R	Arsenic	101.3	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17587	Not Applicable	SOIL	Not Applicable	3532R	Acetone	0.02	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17587	Not Applicable	SOIL	Not Applicable	3532R	Benzene	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17587	Not Applicable	SOIL	Not Applicable	3532R	Bromobenzene	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17587	Not Applicable	SOIL	Not Applicable	3532R	Bromochloromethane	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17587	Not Applicable	SOIL	Not Applicable	3532R	Bromodichloromethane	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17587	Not Applicable	SOIL	Not Applicable	3532R	Bromofluorobenzene[4-]	105	%	BLANK	SURR	None
Not Applicable	Not Applicable	QC-97-17587	Not Applicable	SOIL	Not Applicable	3532R	Bromoform	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17587	Not Applicable	SOIL	Not Applicable	3532R	Bromomethane	0.01	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17587	Not Applicable	SOIL	Not Applicable	3532R	Butanone[2-]	0.02	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17587	Not Applicable	SOIL	Not Applicable	3532R	Butylbenzene[n-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17587	Not Applicable	SOIL	Not Applicable	3532R	Butylbenzene[sec-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17587	Not Applicable	SOIL	Not Applicable	3532R	Butylbenzene[tert-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17587	Not Applicable	SOIL	Not Applicable	3532R	Carbon Disulfide	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17587	Not Applicable	SOIL	Not Applicable	3532R	Carbon Tetrachloride	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17587	Not Applicable	SOIL	Not Applicable	3532R	Chlorobenzene	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17587	Not Applicable	SOIL	Not Applicable	3532R	Chlorodibromomethane	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17587	Not Applicable	SOIL	Not Applicable	3532R	Chloroethane	0.01	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17587	Not Applicable	SOIL	Not Applicable	3532R	Chloroform	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17587	Not Applicable	SOIL	Not Applicable	3532R	Chloromethane	0.01	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17587	Not Applicable	SOIL	Not Applicable	3532R	Chlorotoluene[2-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17587	Not Applicable	SOIL	Not Applicable	3532R	Chlorotoluene[4-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17587	Not Applicable	SOIL	Not Applicable	3532R	Dibromo-3-chloropropane[1,2-]	0.01	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17587	Not Applicable	SOIL	Not Applicable	3532R	Dibromoethane[1,2-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17587	Not Applicable	SOIL	Not Applicable	3532R	Dibromofluoromethane	106	%	BLANK	SURR	None
Not Applicable	Not Applicable	QC-97-17587	Not Applicable	SOIL	Not Applicable	3532R	Dibromomethane	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17587	Not Applicable	SOIL	Not Applicable	3532R	Dichlorobenzene[1,2-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17587	Not Applicable	SOIL	Not Applicable	3532R	Dichlorobenzene[1,3-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17587	Not Applicable	SOIL	Not Applicable	3532R	Dichlorobenzene[1,4-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17587	Not Applicable	SOIL	Not Applicable	3532R	Dichlorodifluoromethane	0.01	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17587	Not Applicable	SOIL	Not Applicable	3532R	Dichloroethane[1,1-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17587	Not Applicable	SOIL	Not Applicable	3532R	Dichloroethane[1,2-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17587	Not Applicable	SOIL	Not Applicable	3532R	Dichloroethene[1,1-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17587	Not Applicable	SOIL	Not Applicable	3532R	Dichloroethene[cis-1,2-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17587	Not Applicable	SOIL	Not Applicable	3532R	Dichloroethene[trans-1,2-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17587	Not Applicable	SOIL	Not Applicable	3532R	Dichloropropane[1,2-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17587	Not Applicable	SOIL	Not Applicable	3532R	Dichloropropane[1,3-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17587	Not Applicable	SOIL	Not Applicable	3532R	Dichloropropane[2,2-]	0.005	MG/KG	BLANK	ANALYTE	U

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Not Applicable	Not Applicable	QC-97-17587	Not Applicable	SOIL	Not Applicable	3532R	Dichloropropene[1,1-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17587	Not Applicable	SOIL	Not Applicable	3532R	Dichloropropene[cis-1,3-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17587	Not Applicable	SOIL	Not Applicable	3532R	Dichloropropene[trans-1,3-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17587	Not Applicable	SOIL	Not Applicable	3532R	Ethylbenzene	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17587	Not Applicable	SOIL	Not Applicable	3532R	Hexanone[2-]	0.02	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17587	Not Applicable	SOIL	Not Applicable	3532R	Iodomethane	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17587	Not Applicable	SOIL	Not Applicable	3532R	Isopropylbenzene	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17587	Not Applicable	SOIL	Not Applicable	3532R	Isopropyltoluene[4-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17587	Not Applicable	SOIL	Not Applicable	3532R	Methyl-2-pentanone[4-]	0.02	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17587	Not Applicable	SOIL	Not Applicable	3532R	Methylene Chloride	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17587	Not Applicable	SOIL	Not Applicable	3532R	Propylbenzene[1-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17587	Not Applicable	SOIL	Not Applicable	3532R	Styrene	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17587	Not Applicable	SOIL	Not Applicable	3532R	Tetrachloroethane[1,1,1,2-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17587	Not Applicable	SOIL	Not Applicable	3532R	Tetrachloroethane[1,1,2,2-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17587	Not Applicable	SOIL	Not Applicable	3532R	Tetrachloroethene	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17587	Not Applicable	SOIL	Not Applicable	3532R	Toluene	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17587	Not Applicable	SOIL	Not Applicable	3532R	Toluene-d8	104	%	BLANK	SURR	None
Not Applicable	Not Applicable	QC-97-17587	Not Applicable	SOIL	Not Applicable	3532R	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17587	Not Applicable	SOIL	Not Applicable	3532R	Trichloroethane[1,1,1-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17587	Not Applicable	SOIL	Not Applicable	3532R	Trichloroethane[1,1,2-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17587	Not Applicable	SOIL	Not Applicable	3532R	Trichloroethene	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17587	Not Applicable	SOIL	Not Applicable	3532R	Trichlorofluoromethane	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17587	Not Applicable	SOIL	Not Applicable	3532R	Trichloropropane[1,2,3-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17587	Not Applicable	SOIL	Not Applicable	3532R	Trimethylbenzene[1,2,4-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17587	Not Applicable	SOIL	Not Applicable	3532R	Trimethylbenzene[1,3,5-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17587	Not Applicable	SOIL	Not Applicable	3532R	Vinyl Chloride	0.01	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17587	Not Applicable	SOIL	Not Applicable	3532R	Xylene (Total)	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17588	Not Applicable	SOIL	Not Applicable	3532R	Benzene	94.8	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17588	Not Applicable	SOIL	Not Applicable	3532R	Bromobenzene	87.9	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17588	Not Applicable	SOIL	Not Applicable	3532R	Bromochloromethane	100.9	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17588	Not Applicable	SOIL	Not Applicable	3532R	Bromodichloromethane	101.8	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17588	Not Applicable	SOIL	Not Applicable	3532R	Bromofluorobenzene[4-]	104	%	BS	SURR	None
Not Applicable	Not Applicable	QC-97-17588	Not Applicable	SOIL	Not Applicable	3532R	Bromoform	109.9	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17588	Not Applicable	SOIL	Not Applicable	3532R	Bromomethane	86.6	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17588	Not Applicable	SOIL	Not Applicable	3532R	Butylbenzene[n-]	96.9	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17588	Not Applicable	SOIL	Not Applicable	3532R	Butylbenzene[sec-]	93.3	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17588	Not Applicable	SOIL	Not Applicable	3532R	Butylbenzene[tert-]	91.7	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17588	Not Applicable	SOIL	Not Applicable	3532R	Carbon Tetrachloride	94.6	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17588	Not Applicable	SOIL	Not Applicable	3532R	Chlorobenzene	95.7	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17588	Not Applicable	SOIL	Not Applicable	3532R	Chlorodibromomethane	104.7	%	BS	ANALYTE	None

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Not Applicable	Not Applicable	QC-97-17588	Not Applicable	SOIL	Not Applicable	3532R	Chloroethane	120.3	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17588	Not Applicable	SOIL	Not Applicable	3532R	Chloroform	95.3	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17588	Not Applicable	SOIL	Not Applicable	3532R	Chloromethane	94.1	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17588	Not Applicable	SOIL	Not Applicable	3532R	Chlorotoluene[2-]	97.3	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17588	Not Applicable	SOIL	Not Applicable	3532R	Chlorotoluene[4-]	88.8	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17588	Not Applicable	SOIL	Not Applicable	3532R	Dibromo-3-chloropropane[1,2-]	133.7	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17588	Not Applicable	SOIL	Not Applicable	3532R	Dibromoethane[1,2-]	108.6	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17588	Not Applicable	SOIL	Not Applicable	3532R	Dibromofluoromethane	109	%	BS	SURR	None
Not Applicable	Not Applicable	QC-97-17588	Not Applicable	SOIL	Not Applicable	3532R	Dibromomethane	102	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17588	Not Applicable	SOIL	Not Applicable	3532R	Dichlorobenzene[1,2-]	100.5	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17588	Not Applicable	SOIL	Not Applicable	3532R	Dichlorobenzene[1,3-]	93.9	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17588	Not Applicable	SOIL	Not Applicable	3532R	Dichlorobenzene[1,4-]	91.8	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17588	Not Applicable	SOIL	Not Applicable	3532R	Dichlorodifluoromethane	95	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17588	Not Applicable	SOIL	Not Applicable	3532R	Dichloroethane[1,1-]	96.7	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17588	Not Applicable	SOIL	Not Applicable	3532R	Dichloroethane[1,2-]	99.7	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17588	Not Applicable	SOIL	Not Applicable	3532R	Dichloroethene[1,1-]	94.8	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17588	Not Applicable	SOIL	Not Applicable	3532R	Dichloroethene[cis-1,2-]	83.1	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17588	Not Applicable	SOIL	Not Applicable	3532R	Dichloroethene[trans-1,2-]	107.5	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17588	Not Applicable	SOIL	Not Applicable	3532R	Dichloropropane[1,2-]	98	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17588	Not Applicable	SOIL	Not Applicable	3532R	Dichloropropane[1,3-]	103.3	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17588	Not Applicable	SOIL	Not Applicable	3532R	Dichloropropane[2,2-]	85.7	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17588	Not Applicable	SOIL	Not Applicable	3532R	Dichloropropene[1,1-]	102	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17588	Not Applicable	SOIL	Not Applicable	3532R	Dichloropropene[cis-1,3-]	97.8	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17588	Not Applicable	SOIL	Not Applicable	3532R	Dichloropropene[trans-1,3-]	98	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17588	Not Applicable	SOIL	Not Applicable	3532R	Ethylbenzene	88.6	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17588	Not Applicable	SOIL	Not Applicable	3532R	Isopropylbenzene	94.6	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17588	Not Applicable	SOIL	Not Applicable	3532R	Isopropyltoluene[4-]	94.7	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17588	Not Applicable	SOIL	Not Applicable	3532R	Methylene Chloride	101.5	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17588	Not Applicable	SOIL	Not Applicable	3532R	Propylbenzene[1-]	92	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17588	Not Applicable	SOIL	Not Applicable	3532R	Styrene	93.1	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17588	Not Applicable	SOIL	Not Applicable	3532R	Tetrachloroethane[1,1,1,2-]	97.4	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17588	Not Applicable	SOIL	Not Applicable	3532R	Tetrachloroethane[1,1,2,2-]	125.7	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17588	Not Applicable	SOIL	Not Applicable	3532R	Tetrachloroethene	91.4	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17588	Not Applicable	SOIL	Not Applicable	3532R	Toluene	96.1	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17588	Not Applicable	SOIL	Not Applicable	3532R	Toluene-d8	105	%	BS	SURR	None
Not Applicable	Not Applicable	QC-97-17588	Not Applicable	SOIL	Not Applicable	3532R	Trichloroethane[1,1,1-]	95.7	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17588	Not Applicable	SOIL	Not Applicable	3532R	Trichloroethane[1,1,2-]	105.6	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17588	Not Applicable	SOIL	Not Applicable	3532R	Trichloroethene	93.2	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17588	Not Applicable	SOIL	Not Applicable	3532R	Trichlorofluoromethane	95.6	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17588	Not Applicable	SOIL	Not Applicable	3532R	Trichloropropane[1,2,3-]	122.9	%	BS	ANALYTE	None

PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	SAMPLE MATRIX	SAMPLE MEDIUM	REQUEST NUMBER	ANALYTE NAME	STD SAMPLE RESULT	STD REPORTING UNITS	SAMPLE TYPE	ANALYTE TYPE	RFI DATA VALIDATION QUALIFIER
Not Applicable	Not Applicable	QC-97-17588	Not Applicable	SOIL	Not Applicable	3532R	Trimethylbenzene[1,2,4-]	94.6	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17588	Not Applicable	SOIL	Not Applicable	3532R	Trimethylbenzene[1,3,5-]	94.2	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17588	Not Applicable	SOIL	Not Applicable	3532R	Vinyl Chloride	95.1	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17588	Not Applicable	SOIL	Not Applicable	3532R	Xylene (Total)	96.6	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17690	Not Applicable	SOIL	Not Applicable	3558R	Benzene	100	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17690	Not Applicable	SOIL	Not Applicable	3558R	Bromofluorobenzene[4-]	99	%	BS	SURR	None
Not Applicable	Not Applicable	QC-97-17690	Not Applicable	SOIL	Not Applicable	3558R	Chlorobenzene	103	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17690	Not Applicable	SOIL	Not Applicable	3558R	Dibromofluoromethane	100	%	BS	SURR	None
Not Applicable	Not Applicable	QC-97-17690	Not Applicable	SOIL	Not Applicable	3558R	Dichloroethene[1,1-]	91	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17690	Not Applicable	SOIL	Not Applicable	3558R	Toluene	93	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17690	Not Applicable	SOIL	Not Applicable	3558R	Toluene-d8	101	%	BS	SURR	None
Not Applicable	Not Applicable	QC-97-17690	Not Applicable	SOIL	Not Applicable	3558R	Trichloroethene	94	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17691	Not Applicable	SOIL	Not Applicable	3558R	Benzene	98	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17691	Not Applicable	SOIL	Not Applicable	3558R	Bromofluorobenzene[4-]	97	%	BSD	SURR	None
Not Applicable	Not Applicable	QC-97-17691	Not Applicable	SOIL	Not Applicable	3558R	Chlorobenzene	105	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17691	Not Applicable	SOIL	Not Applicable	3558R	Dibromofluoromethane	102	%	BSD	SURR	None
Not Applicable	Not Applicable	QC-97-17691	Not Applicable	SOIL	Not Applicable	3558R	Dichloroethene[1,1-]	84	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17691	Not Applicable	SOIL	Not Applicable	3558R	Toluene	105	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17691	Not Applicable	SOIL	Not Applicable	3558R	Toluene-d8	100	%	BSD	SURR	None
Not Applicable	Not Applicable	QC-97-17691	Not Applicable	SOIL	Not Applicable	3558R	Trichloroethene	98	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17692	Not Applicable	SOIL	Not Applicable	3558R	Acetone	0.02	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17692	Not Applicable	SOIL	Not Applicable	3558R	Benzene	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17692	Not Applicable	SOIL	Not Applicable	3558R	Bromobenzene	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17692	Not Applicable	SOIL	Not Applicable	3558R	Bromochloromethane	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17692	Not Applicable	SOIL	Not Applicable	3558R	Bromodichloromethane	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17692	Not Applicable	SOIL	Not Applicable	3558R	Bromofluorobenzene[4-]	94	%	BLANK	SURR	None
Not Applicable	Not Applicable	QC-97-17692	Not Applicable	SOIL	Not Applicable	3558R	Bromoform	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17692	Not Applicable	SOIL	Not Applicable	3558R	Bromomethane	0.01	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17692	Not Applicable	SOIL	Not Applicable	3558R	Butanone[2-]	0.02	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17692	Not Applicable	SOIL	Not Applicable	3558R	Butylbenzene[n-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17692	Not Applicable	SOIL	Not Applicable	3558R	Butylbenzene[sec-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17692	Not Applicable	SOIL	Not Applicable	3558R	Butylbenzene[tert-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17692	Not Applicable	SOIL	Not Applicable	3558R	Carbon Disulfide	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17692	Not Applicable	SOIL	Not Applicable	3558R	Carbon Tetrachloride	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17692	Not Applicable	SOIL	Not Applicable	3558R	Chlorobenzene	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17692	Not Applicable	SOIL	Not Applicable	3558R	Chlorodibromomethane	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17692	Not Applicable	SOIL	Not Applicable	3558R	Chloroethane	0.01	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17692	Not Applicable	SOIL	Not Applicable	3558R	Chloroform	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17692	Not Applicable	SOIL	Not Applicable	3558R	Chloromethane	0.01	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17692	Not Applicable	SOIL	Not Applicable	3558R	Chlorotoluene[2-]	0.005	MG/KG	BLANK	ANALYTE	U

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Not Applicable	Not Applicable	QC-97-17692	Not Applicable	SOIL	Not Applicable	3558R	Chlorotoluene[4-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17692	Not Applicable	SOIL	Not Applicable	3558R	Dibromo-3-chloropropane[1,2-]	0.01	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17692	Not Applicable	SOIL	Not Applicable	3558R	Dibromoethane[1,2-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17692	Not Applicable	SOIL	Not Applicable	3558R	Dibromofluoromethane	103	%	BLANK	SURR	None
Not Applicable	Not Applicable	QC-97-17692	Not Applicable	SOIL	Not Applicable	3558R	Dibromomethane	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17692	Not Applicable	SOIL	Not Applicable	3558R	Dichlorobenzene[1,2-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17692	Not Applicable	SOIL	Not Applicable	3558R	Dichlorobenzene[1,3-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17692	Not Applicable	SOIL	Not Applicable	3558R	Dichlorobenzene[1,4-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17692	Not Applicable	SOIL	Not Applicable	3558R	Dichlorodifluoromethane	0.01	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17692	Not Applicable	SOIL	Not Applicable	3558R	Dichloroethane[1,1-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17692	Not Applicable	SOIL	Not Applicable	3558R	Dichloroethane[1,2-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17692	Not Applicable	SOIL	Not Applicable	3558R	Dichloroethene[1,1-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17692	Not Applicable	SOIL	Not Applicable	3558R	Dichloroethene[cis-1,2-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17692	Not Applicable	SOIL	Not Applicable	3558R	Dichloroethene[trans-1,2-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17692	Not Applicable	SOIL	Not Applicable	3558R	Dichloropropane[1,2-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17692	Not Applicable	SOIL	Not Applicable	3558R	Dichloropropane[1,3-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17692	Not Applicable	SOIL	Not Applicable	3558R	Dichloropropane[2,2-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17692	Not Applicable	SOIL	Not Applicable	3558R	Dichloropropene[1,1-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17692	Not Applicable	SOIL	Not Applicable	3558R	Dichloropropene[cis-1,3-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17692	Not Applicable	SOIL	Not Applicable	3558R	Dichloropropene[trans-1,3-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17692	Not Applicable	SOIL	Not Applicable	3558R	Ethylbenzene	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17692	Not Applicable	SOIL	Not Applicable	3558R	Hexachlorobutadiene	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17692	Not Applicable	SOIL	Not Applicable	3558R	Hexanone[2-]	0.02	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17692	Not Applicable	SOIL	Not Applicable	3558R	Iodomethane	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17692	Not Applicable	SOIL	Not Applicable	3558R	Isopropylbenzene	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17692	Not Applicable	SOIL	Not Applicable	3558R	Isopropyltoluene[4-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17692	Not Applicable	SOIL	Not Applicable	3558R	Methyl-2-pentanone[4-]	0.02	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17692	Not Applicable	SOIL	Not Applicable	3558R	Methylene Chloride	0.0044	MG/KG	BLANK	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17692	Not Applicable	SOIL	Not Applicable	3558R	Naphthalene	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17692	Not Applicable	SOIL	Not Applicable	3558R	Propylbenzene[1-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17692	Not Applicable	SOIL	Not Applicable	3558R	Styrene	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17692	Not Applicable	SOIL	Not Applicable	3558R	Tetrachloroethane[1,1,1,2-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17692	Not Applicable	SOIL	Not Applicable	3558R	Tetrachloroethane[1,1,2,2-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17692	Not Applicable	SOIL	Not Applicable	3558R	Tetrachloroethene	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17692	Not Applicable	SOIL	Not Applicable	3558R	Toluene	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17692	Not Applicable	SOIL	Not Applicable	3558R	Toluene-d8	98	%	BLANK	SURR	None
Not Applicable	Not Applicable	QC-97-17692	Not Applicable	SOIL	Not Applicable	3558R	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17692	Not Applicable	SOIL	Not Applicable	3558R	Trichlorobenzene[1,2,3-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17692	Not Applicable	SOIL	Not Applicable	3558R	Trichloroethane[1,1,1-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17692	Not Applicable	SOIL	Not Applicable	3558R	Trichloroethane[1,1,2-]	0.005	MG/KG	BLANK	ANALYTE	U

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Not Applicable	Not Applicable	QC-97-17692	Not Applicable	SOIL	Not Applicable	3558R	Trichloroethene	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17692	Not Applicable	SOIL	Not Applicable	3558R	Trichlorofluoromethane	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17692	Not Applicable	SOIL	Not Applicable	3558R	Trichloropropane[1,2,3-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17692	Not Applicable	SOIL	Not Applicable	3558R	Trimethylbenzene[1,2,4-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17692	Not Applicable	SOIL	Not Applicable	3558R	Trimethylbenzene[1,3,5-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17692	Not Applicable	SOIL	Not Applicable	3558R	Vinyl Chloride	0.01	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17692	Not Applicable	SOIL	Not Applicable	3558R	Xylene (Total)	0.01	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17716	Not Applicable	SOIL	Not Applicable	3560R	Aluminum	16.57	MG/KG	BLANK	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17716	Not Applicable	SOIL	Not Applicable	3560R	Antimony	0.68	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17716	Not Applicable	SOIL	Not Applicable	3560R	Arsenic	0.52	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17716	Not Applicable	SOIL	Not Applicable	3560R	Barium	0.036	MG/KG	BLANK	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17716	Not Applicable	SOIL	Not Applicable	3560R	Beryllium	0.114	MG/KG	BLANK	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17716	Not Applicable	SOIL	Not Applicable	3560R	Cadmium	-0.09	MG/KG	BLANK	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17716	Not Applicable	SOIL	Not Applicable	3560R	Calcium	-3.602	MG/KG	BLANK	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17716	Not Applicable	SOIL	Not Applicable	3560R	Chromium, Total	0.18	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17716	Not Applicable	SOIL	Not Applicable	3560R	Cobalt	0.18	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17716	Not Applicable	SOIL	Not Applicable	3560R	Copper	-0.366	MG/KG	BLANK	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17716	Not Applicable	SOIL	Not Applicable	3560R	Iron	10.616	MG/KG	BLANK	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17716	Not Applicable	SOIL	Not Applicable	3560R	Lead	0.32	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17716	Not Applicable	SOIL	Not Applicable	3560R	Magnesium	-7.988	MG/KG	BLANK	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17716	Not Applicable	SOIL	Not Applicable	3560R	Manganese	0.04	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17716	Not Applicable	SOIL	Not Applicable	3560R	Mercury	-0.03	MG/KG	BLANK	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17716	Not Applicable	SOIL	Not Applicable	3560R	Nickel	0.2	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17716	Not Applicable	SOIL	Not Applicable	3560R	Potassium	19.628	MG/KG	BLANK	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17716	Not Applicable	SOIL	Not Applicable	3560R	Selenium	0.54	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17716	Not Applicable	SOIL	Not Applicable	3560R	Silver	0.24	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17716	Not Applicable	SOIL	Not Applicable	3560R	Sodium	-4.658	MG/KG	BLANK	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17716	Not Applicable	SOIL	Not Applicable	3560R	Thallium	1.11	MG/KG	BLANK	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17716	Not Applicable	SOIL	Not Applicable	3560R	Vanadium	0.18	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17716	Not Applicable	SOIL	Not Applicable	3560R	Zinc	0.364	MG/KG	BLANK	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17717	Not Applicable	SOIL	Not Applicable	3560R	Aluminum	94.9	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17717	Not Applicable	SOIL	Not Applicable	3560R	Antimony	101.3	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17717	Not Applicable	SOIL	Not Applicable	3560R	Arsenic	105.7	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17717	Not Applicable	SOIL	Not Applicable	3560R	Barium	93	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17717	Not Applicable	SOIL	Not Applicable	3560R	Beryllium	97	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17717	Not Applicable	SOIL	Not Applicable	3560R	Cadmium	99	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17717	Not Applicable	SOIL	Not Applicable	3560R	Calcium	101.7	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17717	Not Applicable	SOIL	Not Applicable	3560R	Chromium, Total	95	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17717	Not Applicable	SOIL	Not Applicable	3560R	Cobalt	96.4	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17717	Not Applicable	SOIL	Not Applicable	3560R	Copper	94	%	LCS	ANALYTE	None

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PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	SAMPLE MATRIX	SAMPLE MEDIUM	REQUEST NUMBER	ANALYTE NAME	STD SAMPLE RESULT	STD REPORTING UNITS	SAMPLE TYPE	ANALYTE TYPE	RFI DATA VALIDATION QUALIFIER
Not Applicable	Not Applicable	QC-97-17717	Not Applicable	SOIL	Not Applicable	3560R	Iron	98	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17717	Not Applicable	SOIL	Not Applicable	3560R	Lead	101.4	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17717	Not Applicable	SOIL	Not Applicable	3560R	Magnesium	100.3	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17717	Not Applicable	SOIL	Not Applicable	3560R	Manganese	96.4	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17717	Not Applicable	SOIL	Not Applicable	3560R	Nickel	99.8	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17717	Not Applicable	SOIL	Not Applicable	3560R	Potassium	96.2	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17717	Not Applicable	SOIL	Not Applicable	3560R	Selenium	105.4	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17717	Not Applicable	SOIL	Not Applicable	3560R	Silver	104	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17717	Not Applicable	SOIL	Not Applicable	3560R	Sodium	98.8	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17717	Not Applicable	SOIL	Not Applicable	3560R	Thallium	102.8	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17717	Not Applicable	SOIL	Not Applicable	3560R	Vanadium	99.2	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17717	Not Applicable	SOIL	Not Applicable	3560R	Zinc	97.2	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17718	Not Applicable	SOIL	Not Applicable	3561R	Uranium-232 Tracer	86	%	BLANK	TRACER	None
Not Applicable	Not Applicable	QC-97-17718	Not Applicable	SOIL	Not Applicable	3561R	Uranium-234	0.063	PCI/G	BLANK	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17718	Not Applicable	SOIL	Not Applicable	3561R	Uranium-235	0.045	PCI/G	BLANK	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17718	Not Applicable	SOIL	Not Applicable	3561R	Uranium-238	0.008	PCI/G	BLANK	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17719	Not Applicable	SOIL	Not Applicable	3561R	Uranium Tracer	79	%	LCS	TRACER	None
Not Applicable	Not Applicable	QC-97-17719	Not Applicable	SOIL	Not Applicable	3561R	Uranium-234	93	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17719	Not Applicable	SOIL	Not Applicable	3561R	Uranium-238	94	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17719	Not Applicable	SOIL	Not Applicable	3561R	Uranium235 + Uranium-236	0.772	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17720	Not Applicable	SOIL	Not Applicable	3549R	Benzene	93	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17720	Not Applicable	SOIL	Not Applicable	3549R	Bromofluorobenzene[4-]	97	%	BS	SURR	None
Not Applicable	Not Applicable	QC-97-17720	Not Applicable	SOIL	Not Applicable	3549R	Chlorobenzene	93	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17720	Not Applicable	SOIL	Not Applicable	3549R	Dibromofluoromethane	102	%	BS	SURR	None
Not Applicable	Not Applicable	QC-97-17720	Not Applicable	SOIL	Not Applicable	3549R	Dichloroethene[1,1-]	87	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17720	Not Applicable	SOIL	Not Applicable	3549R	Toluene	94	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17720	Not Applicable	SOIL	Not Applicable	3549R	Toluene-d8	103	%	BS	SURR	None
Not Applicable	Not Applicable	QC-97-17720	Not Applicable	SOIL	Not Applicable	3549R	Trichloroethene	94	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17721	Not Applicable	SOIL	Not Applicable	3549R	Benzene	93	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17721	Not Applicable	SOIL	Not Applicable	3549R	Bromofluorobenzene[4-]	97	%	BSD	SURR	None
Not Applicable	Not Applicable	QC-97-17721	Not Applicable	SOIL	Not Applicable	3549R	Chlorobenzene	92	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17721	Not Applicable	SOIL	Not Applicable	3549R	Dibromofluoromethane	104	%	BSD	SURR	None
Not Applicable	Not Applicable	QC-97-17721	Not Applicable	SOIL	Not Applicable	3549R	Dichloroethene[1,1-]	90	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17721	Not Applicable	SOIL	Not Applicable	3549R	Toluene	94	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17721	Not Applicable	SOIL	Not Applicable	3549R	Toluene-d8	102	%	BSD	SURR	None
Not Applicable	Not Applicable	QC-97-17721	Not Applicable	SOIL	Not Applicable	3549R	Trichloroethene	97	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Acetone	0.02	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Benzene	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Bromobenzene	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Bromochloromethane	0.005	MG/KG	BLANK	ANALYTE	U

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Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Bromodichloromethane	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Bromofluorobenzene[4-]	100	%	BLANK	SURR	None
Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Bromoform	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Bromomethane	0.01	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Butanone[2-]	0.02	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Butylbenzene[n-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Butylbenzene[sec-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Butylbenzene[tert-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Carbon Disulfide	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Carbon Tetrachloride	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Chlorobenzene	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Chlorodibromomethane	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Chloroethane	0.01	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Chloroform	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Chloromethane	0.01	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Chlorotoluene[2-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Chlorotoluene[4-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Dibromo-3-chloropropane[1,2-]	0.01	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Dibromoethane[1,2-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Dibromofluoromethane	98	%	BLANK	SURR	None
Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Dibromomethane	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Dichlorobenzene[1,2-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Dichlorobenzene[1,3-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Dichlorobenzene[1,4-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Dichlorodifluoromethane	0.01	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Dichloroethane[1,1-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Dichloroethane[1,2-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Dichloroethene[1,1-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Dichloroethene[cis-1,2-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Dichloroethene[trans-1,2-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Dichloropropane[1,2-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Dichloropropane[1,3-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Dichloropropane[2,2-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Dichloropropene[1,1-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Dichloropropene[cis-1,3-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Dichloropropene[trans-1,3-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Ethylbenzene	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Hexachlorobutadiene	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Hexanone[2-]	0.02	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Iodomethane	0.005	MG/KG	BLANK	ANALYTE	U

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Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Isopropylbenzene	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Isopropyltoluene[4-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Methyl-2-pentanone[4-]	0.02	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Methylene Chloride	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Naphthalene	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Propylbenzene[1-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Styrene	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Tetrachloroethane[1,1,1,2-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Tetrachloroethane[1,1,2,2-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Tetrachloroethene	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Toluene	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Toluene-d8	104	%	BLANK	SURR	None
Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Trichlorobenzene[1,2,3-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Trichlorobenzene[1,2,4-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Trichloroethane[1,1,1-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Trichloroethane[1,1,2-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Trichloroethene	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Trichlorofluoromethane	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Trichloropropane[1,2,3-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Trimethylbenzene[1,2,4-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Trimethylbenzene[1,3,5-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Vinyl Chloride	0.01	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17722	Not Applicable	SOIL	Not Applicable	3549R	Xylene (Total)	0.01	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17723	Not Applicable	SOIL	Not Applicable	3554R	Aluminum	16.57	MG/KG	BLANK	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17723	Not Applicable	SOIL	Not Applicable	3554R	Antimony	0.68	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17723	Not Applicable	SOIL	Not Applicable	3554R	Arsenic	0.52	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17723	Not Applicable	SOIL	Not Applicable	3554R	Barium	0.036	MG/KG	BLANK	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17723	Not Applicable	SOIL	Not Applicable	3554R	Beryllium	0.114	MG/KG	BLANK	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17723	Not Applicable	SOIL	Not Applicable	3554R	Cadmium	-0.09	MG/KG	BLANK	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17723	Not Applicable	SOIL	Not Applicable	3554R	Calcium	-3.602	MG/KG	BLANK	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17723	Not Applicable	SOIL	Not Applicable	3554R	Chromium, Total	0.18	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17723	Not Applicable	SOIL	Not Applicable	3554R	Cobalt	0.18	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17723	Not Applicable	SOIL	Not Applicable	3554R	Copper	-0.366	MG/KG	BLANK	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17723	Not Applicable	SOIL	Not Applicable	3554R	Iron	10.616	MG/KG	BLANK	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17723	Not Applicable	SOIL	Not Applicable	3554R	Lead	0.32	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17723	Not Applicable	SOIL	Not Applicable	3554R	Magnesium	-7.988	MG/KG	BLANK	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17723	Not Applicable	SOIL	Not Applicable	3554R	Manganese	0.04	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17723	Not Applicable	SOIL	Not Applicable	3554R	Mercury	-0.03	MG/KG	BLANK	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17723	Not Applicable	SOIL	Not Applicable	3554R	Nickel	0.2	MG/KG	BLANK	ANALYTE	U

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Not Applicable	Not Applicable	QC-97-17723	Not Applicable	SOIL	Not Applicable	3554R	Potassium	19.628	MG/KG	BLANK	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17723	Not Applicable	SOIL	Not Applicable	3554R	Selenium	0.54	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17723	Not Applicable	SOIL	Not Applicable	3554R	Silver	0.24	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17723	Not Applicable	SOIL	Not Applicable	3554R	Sodium	-4.658	MG/KG	BLANK	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17723	Not Applicable	SOIL	Not Applicable	3554R	Thallium	1.11	MG/KG	BLANK	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17723	Not Applicable	SOIL	Not Applicable	3554R	Vanadium	0.18	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-17723	Not Applicable	SOIL	Not Applicable	3554R	Zinc	0.364	MG/KG	BLANK	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17724	Not Applicable	SOIL	Not Applicable	3554R	Aluminum	94.9	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17724	Not Applicable	SOIL	Not Applicable	3554R	Antimony	101.3	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17724	Not Applicable	SOIL	Not Applicable	3554R	Arsenic	105.7	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17724	Not Applicable	SOIL	Not Applicable	3554R	Barium	93	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17724	Not Applicable	SOIL	Not Applicable	3554R	Beryllium	97	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17724	Not Applicable	SOIL	Not Applicable	3554R	Cadmium	99	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17724	Not Applicable	SOIL	Not Applicable	3554R	Calcium	101.7	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17724	Not Applicable	SOIL	Not Applicable	3554R	Chromium, Total	95	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17724	Not Applicable	SOIL	Not Applicable	3554R	Cobalt	96.4	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17724	Not Applicable	SOIL	Not Applicable	3554R	Copper	94	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17724	Not Applicable	SOIL	Not Applicable	3554R	Iron	98	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17724	Not Applicable	SOIL	Not Applicable	3554R	Lead	101.4	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17724	Not Applicable	SOIL	Not Applicable	3554R	Magnesium	100.3	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17724	Not Applicable	SOIL	Not Applicable	3554R	Manganese	96.4	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17724	Not Applicable	SOIL	Not Applicable	3554R	Nickel	99.8	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17724	Not Applicable	SOIL	Not Applicable	3554R	Potassium	96.2	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17724	Not Applicable	SOIL	Not Applicable	3554R	Selenium	105.4	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17724	Not Applicable	SOIL	Not Applicable	3554R	Silver	104	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17724	Not Applicable	SOIL	Not Applicable	3554R	Sodium	98.8	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17724	Not Applicable	SOIL	Not Applicable	3554R	Thallium	102.8	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17724	Not Applicable	SOIL	Not Applicable	3554R	Vanadium	99.2	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17724	Not Applicable	SOIL	Not Applicable	3554R	Zinc	97.2	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17754	Not Applicable	LCS	Not Applicable	3496R	Uranium Tracer	101.1	%	LCS	TRACER	None
Not Applicable	Not Applicable	QC-97-17754	Not Applicable	LCS	Not Applicable	3496R	Uranium-234	96.3	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17754	Not Applicable	LCS	Not Applicable	3496R	Uranium-238	99.3	%	LCS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17755	Not Applicable	SOIL	Not Applicable	3496R	Uranium Tracer	101.1	%	BS	TRACER	None
Not Applicable	Not Applicable	QC-97-17755	Not Applicable	SOIL	Not Applicable	3496R	Uranium-234	96.3	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17755	Not Applicable	SOIL	Not Applicable	3496R	Uranium-238	99.3	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17756	Not Applicable	SOIL	Not Applicable	3496R	Uranium Tracer	78.7	%	BLANK	TRACER	None
Not Applicable	Not Applicable	QC-97-17756	Not Applicable	SOIL	Not Applicable	3496R	Uranium-234	0.037	PCI/G	BLANK	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17756	Not Applicable	SOIL	Not Applicable	3496R	Uranium-238	0.025	PCI/G	BLANK	ANALYTE	None
Not Applicable	Not Applicable	QC-97-17756	Not Applicable	SOIL	Not Applicable	3496R	Uranium235 + Uranium-236	0.003	PCI/G	BLANK	ANALYTE	None
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Acenaphthene	0.33	MG/KG	BLANK	ANALYTE	U

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Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Acenaphthylene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Aniline	0.67	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Anthracene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Azobenzene	0.67	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Benzidine	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Benzo(a)anthracene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Benzo(a)pyrene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Benzo(b)fluoranthene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Benzo(g,h,i)perylene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Benzoic Acid	1.7	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Benzyl Alcohol	0.67	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Bis(2-chloroethoxy)methane	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Bis(2-chloroethyl)ether	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Bis(2-ethylhexyl)phthalate	0.78	MG/KG	BLANK	ANALYTE	None
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Bromophenyl-phenylether[4-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Butylbenzylphthalate	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Carbazole	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Chloro-3-methylphenol[4-]	0.67	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Chloroaniline[4-]	0.67	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Chloronaphthalene[2-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Chlorophenol[2-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Chlorophenyl-phenyl[4-] Ether	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Chrysene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Di-n-butylphthalate	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Di-n-octylphthalate	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Dibenz(a,h)anthracene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Dibenzofuran	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Dichlorobenzene[1,2-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Dichlorobenzene[1,3-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Dichlorobenzene[1,4-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Dichlorobenzidine[3,3'-]	0.67	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Dichlorophenol[2,4-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Diethylphthalate	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Dimethyl Phthalate	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Dimethylphenol[2,4-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Dinitro-2-methylphenol[4,6-]	1.7	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Dinitrophenol[2,4-]	1.7	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Dinitrotoluene[2,4-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Dinitrotoluene[2,6-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Fluoranthene	0.33	MG/KG	BLANK	ANALYTE	U

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Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Fluorene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Fluorobiphenyl[2-]	90	%	BLANK	SURR	None
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Fluorophenol[2-]	80	%	BLANK	SURR	None
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Hexachlorobenzene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Hexachlorobutadiene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Hexachlorocyclopentadiene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Hexachloroethane	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Indeno(1,2,3-cd)pyrene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Isophorone	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Methylnaphthalene[2-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Methylphenol[2-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Methylphenol[4-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Naphthalene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Nitroaniline[2-]	1.7	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Nitroaniline[3-]	1.7	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Nitroaniline[4-]	0.67	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Nitrobenzene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Nitrobenzene-d5	85	%	BLANK	SURR	None
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Nitrophenol[2-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Nitrophenol[4-]	1.7	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Nitroso-di-n-propylamine[N-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Nitrosodimethylamine[N-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Nitrosodiphenylamine[N-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Oxybis(1-chloropropane)[2,2'-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Pentachlorophenol	1.7	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Phenanthrene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Phenol	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Phenol-d6	80	%	BLANK	SURR	None
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Pyrene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Pyridine	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Terphenyl-d14[4-]	83	%	BLANK	SURR	None
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Tribromophenol[2,4,6-]	81	%	BLANK	SURR	None
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Trichlorobenzene[1,2,4-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Trichlorophenol[2,4,5-]	1.7	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18141	Not Applicable	SOLID	Not Applicable	3526R	Trichlorophenol[2,4,6-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18150	Not Applicable	SOLID	Not Applicable	3527R	Amino-4,6-dinitrotoluene[2-]	89	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-18150	Not Applicable	SOLID	Not Applicable	3527R	Dinitrobenzene[1,3-]	87	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-18150	Not Applicable	SOLID	Not Applicable	3527R	Dinitrobenzene[1,4-]	95	%	BS	SURR	None
Not Applicable	Not Applicable	QC-97-18150	Not Applicable	SOLID	Not Applicable	3527R	Dinitrotoluene[2,4-]	90	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-18150	Not Applicable	SOLID	Not Applicable	3527R	HMX	83	%	BS	ANALYTE	None

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Not Applicable	Not Applicable	QC-97-18150	Not Applicable	SOLID	Not Applicable	3527R	Nitrobenzene	90	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-18150	Not Applicable	SOLID	Not Applicable	3527R	RDX	86	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-18150	Not Applicable	SOLID	Not Applicable	3527R	Trinitrobenzene[1,3,5-]	84	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-18150	Not Applicable	SOLID	Not Applicable	3527R	Trinitrotoluene[2,4,6-]	88	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-18151	Not Applicable	SOLID	Not Applicable	3527R	Amino-4,6-dinitrotoluene[2-]	86	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-18151	Not Applicable	SOLID	Not Applicable	3527R	Dinitrobenzene[1,3-]	89	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-18151	Not Applicable	SOLID	Not Applicable	3527R	Dinitrobenzene[1,4-]	93	%	BSD	SURR	None
Not Applicable	Not Applicable	QC-97-18151	Not Applicable	SOLID	Not Applicable	3527R	Dinitrotoluene[2,4-]	84	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-18151	Not Applicable	SOLID	Not Applicable	3527R	HMX	81	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-18151	Not Applicable	SOLID	Not Applicable	3527R	Nitrobenzene	86	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-18151	Not Applicable	SOLID	Not Applicable	3527R	RDX	92	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-18151	Not Applicable	SOLID	Not Applicable	3527R	Trinitrobenzene[1,3,5-]	88	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-18151	Not Applicable	SOLID	Not Applicable	3527R	Trinitrotoluene[2,4,6-]	84	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-18229	Not Applicable	SOLID	Not Applicable	3526R	Acenaphthene	78	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-18229	Not Applicable	SOLID	Not Applicable	3526R	Chloro-3-methylphenol[4-]	75	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-18229	Not Applicable	SOLID	Not Applicable	3526R	Chlorophenol[2-]	72	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-18229	Not Applicable	SOLID	Not Applicable	3526R	Dichlorobenzene[1,4-]	69	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-18229	Not Applicable	SOLID	Not Applicable	3526R	Dinitrotoluene[2,4-]	77	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-18229	Not Applicable	SOLID	Not Applicable	3526R	Fluorobiphenyl[2-]	79	%	BS	SURR	None
Not Applicable	Not Applicable	QC-97-18229	Not Applicable	SOLID	Not Applicable	3526R	Fluorophenol[2-]	72	%	BS	SURR	None
Not Applicable	Not Applicable	QC-97-18229	Not Applicable	SOLID	Not Applicable	3526R	Nitrobenzene-d5	67	%	BS	SURR	None
Not Applicable	Not Applicable	QC-97-18229	Not Applicable	SOLID	Not Applicable	3526R	Nitrophenol[4-]	68	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-18229	Not Applicable	SOLID	Not Applicable	3526R	Nitroso-di-n-propylamine[N-]	73	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-18229	Not Applicable	SOLID	Not Applicable	3526R	Pentachlorophenol	58	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-18229	Not Applicable	SOLID	Not Applicable	3526R	Phenol	65	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-18229	Not Applicable	SOLID	Not Applicable	3526R	Phenol-d6	70	%	BS	SURR	None
Not Applicable	Not Applicable	QC-97-18229	Not Applicable	SOLID	Not Applicable	3526R	Pyrene	77	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-18229	Not Applicable	SOLID	Not Applicable	3526R	Terphenyl-d14[4-]	81	%	BS	SURR	None
Not Applicable	Not Applicable	QC-97-18229	Not Applicable	SOLID	Not Applicable	3526R	Tribromophenol[2,4,6-]	80	%	BS	SURR	None
Not Applicable	Not Applicable	QC-97-18229	Not Applicable	SOLID	Not Applicable	3526R	Trichlorobenzene[1,2,4-]	75	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-18870	Not Applicable	SOIL	Not Applicable	3540R	Amino-4,6-dinitrotoluene[2-]	89	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-18870	Not Applicable	SOIL	Not Applicable	3540R	Dinitrobenzene[1,3-]	87	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-18870	Not Applicable	SOIL	Not Applicable	3540R	Dinitrobenzene[1,4-]	95	%	BS	SURR	None
Not Applicable	Not Applicable	QC-97-18870	Not Applicable	SOIL	Not Applicable	3540R	Dinitrotoluene[2,4-]	90	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-18870	Not Applicable	SOIL	Not Applicable	3540R	HMX	83	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-18870	Not Applicable	SOIL	Not Applicable	3540R	Nitrobenzene	90	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-18870	Not Applicable	SOIL	Not Applicable	3540R	RDX	86	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-18870	Not Applicable	SOIL	Not Applicable	3540R	Trinitrobenzene[1,3,5-]	84	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-18870	Not Applicable	SOIL	Not Applicable	3540R	Trinitrotoluene[2,4,6-]	88	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-18871	Not Applicable	SOIL	Not Applicable	3540R	Amino-4,6-dinitrotoluene[2-]	86	%	BSD	ANALYTE	None

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Not Applicable	Not Applicable	QC-97-18871	Not Applicable	SOIL	Not Applicable	3540R	Dinitrobenzene[1,3-]	89	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-18871	Not Applicable	SOIL	Not Applicable	3540R	Dinitrobenzene[1,4-]	93	%	BSD	SURR	None
Not Applicable	Not Applicable	QC-97-18871	Not Applicable	SOIL	Not Applicable	3540R	Dinitrotoluene[2,4-]	84	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-18871	Not Applicable	SOIL	Not Applicable	3540R	HMX	81	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-18871	Not Applicable	SOIL	Not Applicable	3540R	Nitrobenzene	86	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-18871	Not Applicable	SOIL	Not Applicable	3540R	RDX	92	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-18871	Not Applicable	SOIL	Not Applicable	3540R	Trinitrobenzene[1,3,5-]	88	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-18871	Not Applicable	SOIL	Not Applicable	3540R	Trinitrotoluene[2,4,6-]	84	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-18872	Not Applicable	SOIL	Not Applicable	3540R	Amino-2,6-dinitrotoluene[4-]	0.25	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18872	Not Applicable	SOIL	Not Applicable	3540R	Amino-4,6-dinitrotoluene[2-]	0.25	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18872	Not Applicable	SOIL	Not Applicable	3540R	Dinitrobenzene[1,3-]	0.25	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18872	Not Applicable	SOIL	Not Applicable	3540R	Dinitrobenzene[1,4-]	92	%	BLANK	SURR	None
Not Applicable	Not Applicable	QC-97-18872	Not Applicable	SOIL	Not Applicable	3540R	Dinitrotoluene[2,4-]	0.25	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18872	Not Applicable	SOIL	Not Applicable	3540R	Dinitrotoluene[2,6-]	0.26	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18872	Not Applicable	SOIL	Not Applicable	3540R	HMX	2.2	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18872	Not Applicable	SOIL	Not Applicable	3540R	Nitrobenzene	0.26	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18872	Not Applicable	SOIL	Not Applicable	3540R	Nitrotoluene[2-]	0.25	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18872	Not Applicable	SOIL	Not Applicable	3540R	Nitrotoluene[3-]	0.25	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18872	Not Applicable	SOIL	Not Applicable	3540R	Nitrotoluene[4-]	0.25	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18872	Not Applicable	SOIL	Not Applicable	3540R	RDX	1	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18872	Not Applicable	SOIL	Not Applicable	3540R	Tetryl	0.65	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18872	Not Applicable	SOIL	Not Applicable	3540R	Trinitrobenzene[1,3,5-]	0.25	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18872	Not Applicable	SOIL	Not Applicable	3540R	Trinitrotoluene[2,4,6-]	0.25	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18875	Not Applicable	SOIL	Not Applicable	3518R	Amino-4,6-dinitrotoluene[2-]	89	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-18875	Not Applicable	SOIL	Not Applicable	3518R	Dinitrobenzene[1,3-]	87	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-18875	Not Applicable	SOIL	Not Applicable	3518R	Dinitrobenzene[1,4-]	95	%	BS	SURR	None
Not Applicable	Not Applicable	QC-97-18875	Not Applicable	SOIL	Not Applicable	3518R	Dinitrotoluene[2,4-]	90	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-18875	Not Applicable	SOIL	Not Applicable	3518R	HMX	83	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-18875	Not Applicable	SOIL	Not Applicable	3518R	Nitrobenzene	90	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-18875	Not Applicable	SOIL	Not Applicable	3518R	RDX	86	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-18875	Not Applicable	SOIL	Not Applicable	3518R	Trinitrobenzene[1,3,5-]	84	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-18875	Not Applicable	SOIL	Not Applicable	3518R	Trinitrotoluene[2,4,6-]	88	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-18876	Not Applicable	SOIL	Not Applicable	3518R	Amino-4,6-dinitrotoluene[2-]	86	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-18876	Not Applicable	SOIL	Not Applicable	3518R	Dinitrobenzene[1,3-]	89	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-18876	Not Applicable	SOIL	Not Applicable	3518R	Dinitrobenzene[1,4-]	93	%	BSD	SURR	None
Not Applicable	Not Applicable	QC-97-18876	Not Applicable	SOIL	Not Applicable	3518R	Dinitrotoluene[2,4-]	84	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-18876	Not Applicable	SOIL	Not Applicable	3518R	HMX	81	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-18876	Not Applicable	SOIL	Not Applicable	3518R	Nitrobenzene	86	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-18876	Not Applicable	SOIL	Not Applicable	3518R	RDX	92	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-18876	Not Applicable	SOIL	Not Applicable	3518R	Trinitrobenzene[1,3,5-]	88	%	BSD	ANALYTE	None

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PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	SAMPLE MATRIX	SAMPLE MEDIUM	REQUEST NUMBER	ANALYTE NAME	STD SAMPLE RESULT	STD REPORTING UNITS	SAMPLE TYPE	ANALYTE TYPE	RFI DATA VALIDATION QUALIFIER
Not Applicable	Not Applicable	QC-97-18876	Not Applicable	SOIL	Not Applicable	3518R	Trinitrotoluene[2,4,6-]	84	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-18877	Not Applicable	SOIL	Not Applicable	3518R	Amino-2,6-dinitrotoluene[4-]	0.25	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18877	Not Applicable	SOIL	Not Applicable	3518R	Amino-4,6-dinitrotoluene[2-]	0.25	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18877	Not Applicable	SOIL	Not Applicable	3518R	Dinitrobenzene[1,3-]	0.25	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18877	Not Applicable	SOIL	Not Applicable	3518R	Dinitrobenzene[1,4-]	92	%	BLANK	SURR	None
Not Applicable	Not Applicable	QC-97-18877	Not Applicable	SOIL	Not Applicable	3518R	Dinitrotoluene[2,4-]	0.25	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18877	Not Applicable	SOIL	Not Applicable	3518R	Dinitrotoluene[2,6-]	0.26	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18877	Not Applicable	SOIL	Not Applicable	3518R	HMX	2.2	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18877	Not Applicable	SOIL	Not Applicable	3518R	Nitrobenzene	0.26	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18877	Not Applicable	SOIL	Not Applicable	3518R	Nitrotoluene[2-]	0.25	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18877	Not Applicable	SOIL	Not Applicable	3518R	Nitrotoluene[3-]	0.25	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18877	Not Applicable	SOIL	Not Applicable	3518R	Nitrotoluene[4-]	0.25	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18877	Not Applicable	SOIL	Not Applicable	3518R	RDX	1	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18877	Not Applicable	SOIL	Not Applicable	3518R	Tetryl	0.65	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18877	Not Applicable	SOIL	Not Applicable	3518R	Trinitrobenzene[1,3,5-]	0.25	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-18877	Not Applicable	SOIL	Not Applicable	3518R	Trinitrotoluene[2,4,6-]	0.25	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-19025	Not Applicable	SOLID	Not Applicable	3559R	Amino-4,6-dinitrotoluene[2-]	104	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-19025	Not Applicable	SOLID	Not Applicable	3559R	Dinitrobenzene[1,3-]	108	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-19025	Not Applicable	SOLID	Not Applicable	3559R	Dinitrobenzene[1,4-]	112	%	BS	SURR	None
Not Applicable	Not Applicable	QC-97-19025	Not Applicable	SOLID	Not Applicable	3559R	Dinitrotoluene[2,4-]	97	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-19025	Not Applicable	SOLID	Not Applicable	3559R	HMX	94	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-19025	Not Applicable	SOLID	Not Applicable	3559R	Nitrobenzene	102	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-19025	Not Applicable	SOLID	Not Applicable	3559R	RDX	104	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-19025	Not Applicable	SOLID	Not Applicable	3559R	Trinitrobenzene[1,3,5-]	100	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-19025	Not Applicable	SOLID	Not Applicable	3559R	Trinitrotoluene[2,4,6-]	105	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-19026	Not Applicable	SOLID	Not Applicable	3559R	Amino-4,6-dinitrotoluene[2-]	103	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-19026	Not Applicable	SOLID	Not Applicable	3559R	Dinitrobenzene[1,3-]	108	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-19026	Not Applicable	SOLID	Not Applicable	3559R	Dinitrobenzene[1,4-]	110	%	BSD	SURR	None
Not Applicable	Not Applicable	QC-97-19026	Not Applicable	SOLID	Not Applicable	3559R	Dinitrotoluene[2,4-]	97	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-19026	Not Applicable	SOLID	Not Applicable	3559R	HMX	98	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-19026	Not Applicable	SOLID	Not Applicable	3559R	Nitrobenzene	101	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-19026	Not Applicable	SOLID	Not Applicable	3559R	RDX	107	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-19026	Not Applicable	SOLID	Not Applicable	3559R	Trinitrobenzene[1,3,5-]	103	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-19026	Not Applicable	SOLID	Not Applicable	3559R	Trinitrotoluene[2,4,6-]	103	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-19027	Not Applicable	SOLID	Not Applicable	3559R	Amino-2,6-dinitrotoluene[4-]	0.25	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-19027	Not Applicable	SOLID	Not Applicable	3559R	Amino-4,6-dinitrotoluene[2-]	0.25	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-19027	Not Applicable	SOLID	Not Applicable	3559R	Dinitrobenzene[1,3-]	0.25	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-19027	Not Applicable	SOLID	Not Applicable	3559R	Dinitrobenzene[1,4-]	114	%	BLANK	SURR	None
Not Applicable	Not Applicable	QC-97-19027	Not Applicable	SOLID	Not Applicable	3559R	Dinitrotoluene[2,4-]	0.25	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-19027	Not Applicable	SOLID	Not Applicable	3559R	Dinitrotoluene[2,6-]	0.26	MG/KG	BLANK	ANALYTE	U

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PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	SAMPLE MATRIX	SAMPLE MEDIUM	REQUEST NUMBER	ANALYTE NAME	STD SAMPLE RESULT	STD REPORTING UNITS	SAMPLE TYPE	ANALYTE TYPE	RFI DATA VALIDATION QUALIFIER
Not Applicable	Not Applicable	QC-97-19027	Not Applicable	SOLID	Not Applicable	3559R	HMX	2.2	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-19027	Not Applicable	SOLID	Not Applicable	3559R	Nitrobenzene	0.26	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-19027	Not Applicable	SOLID	Not Applicable	3559R	Nitrotoluene[2-]	0.25	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-19027	Not Applicable	SOLID	Not Applicable	3559R	Nitrotoluene[3-]	0.25	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-19027	Not Applicable	SOLID	Not Applicable	3559R	Nitrotoluene[4-]	0.25	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-19027	Not Applicable	SOLID	Not Applicable	3559R	RDX	1	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-19027	Not Applicable	SOLID	Not Applicable	3559R	Tetryl	0.65	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-19027	Not Applicable	SOLID	Not Applicable	3559R	Trinitrobenzene[1,3,5-]	0.25	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-19027	Not Applicable	SOLID	Not Applicable	3559R	Trinitrotoluene[2,4,6-]	0.25	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-19388	Not Applicable	SOLID	Not Applicable	3533R	Amino-4,6-dinitrotoluene[2-]	89	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-19388	Not Applicable	SOLID	Not Applicable	3533R	Dinitrobenzene[1,3-]	87	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-19388	Not Applicable	SOLID	Not Applicable	3533R	Dinitrobenzene[1,4-]	95	%	BS	SURR	None
Not Applicable	Not Applicable	QC-97-19388	Not Applicable	SOLID	Not Applicable	3533R	Dinitrotoluene[2,4-]	90	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-19388	Not Applicable	SOLID	Not Applicable	3533R	HMX	83	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-19388	Not Applicable	SOLID	Not Applicable	3533R	Nitrobenzene	90	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-19388	Not Applicable	SOLID	Not Applicable	3533R	RDX	86	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-19388	Not Applicable	SOLID	Not Applicable	3533R	Trinitrobenzene[1,3,5-]	84	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-19388	Not Applicable	SOLID	Not Applicable	3533R	Trinitrotoluene[2,4,6-]	88	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-19392	Not Applicable	SOLID	Not Applicable	3533R	Amino-4,6-dinitrotoluene[2-]	86	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-19392	Not Applicable	SOLID	Not Applicable	3533R	Dinitrobenzene[1,3-]	89	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-19392	Not Applicable	SOLID	Not Applicable	3533R	Dinitrobenzene[1,4-]	93	%	BSD	SURR	None
Not Applicable	Not Applicable	QC-97-19392	Not Applicable	SOLID	Not Applicable	3533R	Dinitrotoluene[2,4-]	84	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-19392	Not Applicable	SOLID	Not Applicable	3533R	HMX	81	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-19392	Not Applicable	SOLID	Not Applicable	3533R	Nitrobenzene	86	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-19392	Not Applicable	SOLID	Not Applicable	3533R	RDX	92	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-19392	Not Applicable	SOLID	Not Applicable	3533R	Trinitrobenzene[1,3,5-]	88	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-19392	Not Applicable	SOLID	Not Applicable	3533R	Trinitrotoluene[2,4,6-]	84	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-19399	Not Applicable	SOLID	Not Applicable	3533R	Amino-2,6-dinitrotoluene[4-]	0.25	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-19399	Not Applicable	SOLID	Not Applicable	3533R	Amino-4,6-dinitrotoluene[2-]	0.25	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-19399	Not Applicable	SOLID	Not Applicable	3533R	Dinitrobenzene[1,3-]	0.25	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-19399	Not Applicable	SOLID	Not Applicable	3533R	Dinitrobenzene[1,4-]	92	%	BLANK	SURR	None
Not Applicable	Not Applicable	QC-97-19399	Not Applicable	SOLID	Not Applicable	3533R	Dinitrotoluene[2,4-]	0.25	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-19399	Not Applicable	SOLID	Not Applicable	3533R	Dinitrotoluene[2,6-]	0.26	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-19399	Not Applicable	SOLID	Not Applicable	3533R	HMX	2.2	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-19399	Not Applicable	SOLID	Not Applicable	3533R	Nitrobenzene	0.26	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-19399	Not Applicable	SOLID	Not Applicable	3533R	Nitrotoluene[2-]	0.25	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-19399	Not Applicable	SOLID	Not Applicable	3533R	Nitrotoluene[3-]	0.25	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-19399	Not Applicable	SOLID	Not Applicable	3533R	Nitrotoluene[4-]	0.25	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-19399	Not Applicable	SOLID	Not Applicable	3533R	RDX	1	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-19399	Not Applicable	SOLID	Not Applicable	3533R	Tetryl	0.65	MG/KG	BLANK	ANALYTE	U

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PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	SAMPLE MATRIX	SAMPLE MEDIUM	REQUEST NUMBER	ANALYTE NAME	STD SAMPLE RESULT	STD REPORTING UNITS	SAMPLE TYPE	ANALYTE TYPE	RFI DATA VALIDATION QUALIFIER
Not Applicable	Not Applicable	QC-97-19399	Not Applicable	SOLID	Not Applicable	3533R	Trinitrobenzene[1,3,5-]	0.25	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-19399	Not Applicable	SOLID	Not Applicable	3533R	Trinitrotoluene[2,4,6-]	0.25	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-19826	Not Applicable	SOLID	Not Applicable	3353R	Amino-4,6-dinitrotoluene[2-]	89	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-19826	Not Applicable	SOLID	Not Applicable	3353R	Dinitrobenzene[1,3-]	87	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-19826	Not Applicable	SOLID	Not Applicable	3353R	Dinitrobenzene[1,4-]	95	%	BS	SURR	None
Not Applicable	Not Applicable	QC-97-19826	Not Applicable	SOLID	Not Applicable	3353R	Dinitrotoluene[2,4-]	90	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-19826	Not Applicable	SOLID	Not Applicable	3353R	HMX	83	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-19826	Not Applicable	SOLID	Not Applicable	3353R	Nitrobenzene	90	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-19826	Not Applicable	SOLID	Not Applicable	3353R	RDX	86	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-19826	Not Applicable	SOLID	Not Applicable	3353R	Trinitrobenzene[1,3,5-]	84	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-19826	Not Applicable	SOLID	Not Applicable	3353R	Trinitrotoluene[2,4,6-]	88	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-19827	Not Applicable	SOLID	Not Applicable	3553R	Amino-4,6-dinitrotoluene[2-]	86	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-19827	Not Applicable	SOLID	Not Applicable	3553R	Dinitrobenzene[1,3-]	89	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-19827	Not Applicable	SOLID	Not Applicable	3553R	Dinitrobenzene[1,4-]	93	%	BSD	SURR	None
Not Applicable	Not Applicable	QC-97-19827	Not Applicable	SOLID	Not Applicable	3553R	Dinitrotoluene[2,4-]	84	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-19827	Not Applicable	SOLID	Not Applicable	3553R	HMX	81	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-19827	Not Applicable	SOLID	Not Applicable	3553R	Nitrobenzene	86	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-19827	Not Applicable	SOLID	Not Applicable	3553R	RDX	92	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-19827	Not Applicable	SOLID	Not Applicable	3553R	Trinitrobenzene[1,3,5-]	88	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-19827	Not Applicable	SOLID	Not Applicable	3553R	Trinitrotoluene[2,4,6-]	84	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-19829	Not Applicable	SOLID	Not Applicable	3553R	Amino-4,6-dinitrotoluene[2-]	89	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-19829	Not Applicable	SOLID	Not Applicable	3553R	Dinitrobenzene[1,3-]	87	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-19829	Not Applicable	SOLID	Not Applicable	3553R	Dinitrobenzene[1,4-]	95	%	BS	SURR	None
Not Applicable	Not Applicable	QC-97-19829	Not Applicable	SOLID	Not Applicable	3553R	Dinitrotoluene[2,4-]	90	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-19829	Not Applicable	SOLID	Not Applicable	3553R	HMX	83	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-19829	Not Applicable	SOLID	Not Applicable	3553R	Nitrobenzene	90	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-19829	Not Applicable	SOLID	Not Applicable	3553R	RDX	86	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-19829	Not Applicable	SOLID	Not Applicable	3553R	Trinitrobenzene[1,3,5-]	84	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-19829	Not Applicable	SOLID	Not Applicable	3553R	Trinitrotoluene[2,4,6-]	88	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-19875	Not Applicable	SOLID	Not Applicable	3553R	Amino-2,6-dinitrotoluene[4-]	0.25	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-19875	Not Applicable	SOLID	Not Applicable	3553R	Amino-4,6-dinitrotoluene[2-]	0.25	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-19875	Not Applicable	SOLID	Not Applicable	3553R	Dinitrobenzene[1,3-]	0.25	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-19875	Not Applicable	SOLID	Not Applicable	3553R	Dinitrobenzene[1,4-]	92	%	BLANK	SURR	None
Not Applicable	Not Applicable	QC-97-19875	Not Applicable	SOLID	Not Applicable	3553R	Dinitrotoluene[2,4-]	0.25	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-19875	Not Applicable	SOLID	Not Applicable	3553R	Dinitrotoluene[2,6-]	0.26	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-19875	Not Applicable	SOLID	Not Applicable	3553R	HMX	2.2	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-19875	Not Applicable	SOLID	Not Applicable	3553R	Nitrobenzene	0.26	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-19875	Not Applicable	SOLID	Not Applicable	3553R	Nitrotoluene[2-]	0.25	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-19875	Not Applicable	SOLID	Not Applicable	3553R	Nitrotoluene[3-]	0.25	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-19875	Not Applicable	SOLID	Not Applicable	3553R	Nitrotoluene[4-]	0.25	MG/KG	BLANK	ANALYTE	U

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PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	SAMPLE MATRIX	SAMPLE MEDIUM	REQUEST NUMBER	ANALYTE NAME	STD SAMPLE RESULT	STD REPORTING UNITS	SAMPLE TYPE	ANALYTE TYPE	RFI DATA VALIDATION QUALIFIER
Not Applicable	Not Applicable	QC-97-19875	Not Applicable	SOLID	Not Applicable	3553R	RDX	1	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-19875	Not Applicable	SOLID	Not Applicable	3553R	Tetryl	0.65	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-19875	Not Applicable	SOLID	Not Applicable	3553R	Trinitrobenzene[1,3,5-]	0.25	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-19875	Not Applicable	SOLID	Not Applicable	3553R	Trinitrotoluene[2,4,6-]	0.25	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20172	Not Applicable	SOLID	Not Applicable	3543R	Amino-4,6-dinitrotoluene[2-]	89	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20172	Not Applicable	SOLID	Not Applicable	3543R	Dinitrobenzene[1,3-]	87	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20172	Not Applicable	SOLID	Not Applicable	3543R	Dinitrobenzene[1,4-]	95	%	BS	SURR	None
Not Applicable	Not Applicable	QC-97-20172	Not Applicable	SOLID	Not Applicable	3543R	Dinitrotoluene[2,4-]	90	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20172	Not Applicable	SOLID	Not Applicable	3543R	HMX	83	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20172	Not Applicable	SOLID	Not Applicable	3543R	Nitrobenzene	90	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20172	Not Applicable	SOLID	Not Applicable	3543R	RDX	86	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20172	Not Applicable	SOLID	Not Applicable	3543R	Trinitrobenzene[1,3,5-]	84	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20172	Not Applicable	SOLID	Not Applicable	3543R	Trinitrotoluene[2,4,6-]	88	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20173	Not Applicable	SOLID	Not Applicable	3543R	Amino-4,6-dinitrotoluene[2-]	86	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20173	Not Applicable	SOLID	Not Applicable	3543R	Dinitrobenzene[1,3-]	89	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20173	Not Applicable	SOLID	Not Applicable	3543R	Dinitrobenzene[1,4-]	93	%	BSD	SURR	None
Not Applicable	Not Applicable	QC-97-20173	Not Applicable	SOLID	Not Applicable	3543R	Dinitrotoluene[2,4-]	84	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20173	Not Applicable	SOLID	Not Applicable	3543R	HMX	81	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20173	Not Applicable	SOLID	Not Applicable	3543R	Nitrobenzene	86	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20173	Not Applicable	SOLID	Not Applicable	3543R	RDX	92	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20173	Not Applicable	SOLID	Not Applicable	3543R	Trinitrobenzene[1,3,5-]	88	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20173	Not Applicable	SOLID	Not Applicable	3543R	Trinitrotoluene[2,4,6-]	84	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20174	Not Applicable	SOLID	Not Applicable	3543R	Amino-2,6-dinitrotoluene[4-]	0.25	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20174	Not Applicable	SOLID	Not Applicable	3543R	Amino-4,6-dinitrotoluene[2-]	0.25	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20174	Not Applicable	SOLID	Not Applicable	3543R	Dinitrobenzene[1,3-]	0.25	MG/KG	BLANK	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20174	Not Applicable	SOLID	Not Applicable	3543R	Dinitrobenzene[1,4-]	92	%	BLANK	SURR	None
Not Applicable	Not Applicable	QC-97-20174	Not Applicable	SOLID	Not Applicable	3543R	Dinitrotoluene[2,4-]	0.25	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20174	Not Applicable	SOLID	Not Applicable	3543R	Dinitrotoluene[2,6-]	0.26	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20174	Not Applicable	SOLID	Not Applicable	3543R	HMX	2.2	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20174	Not Applicable	SOLID	Not Applicable	3543R	Nitrobenzene	0.26	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20174	Not Applicable	SOLID	Not Applicable	3543R	Nitrotoluene[2-]	0.25	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20174	Not Applicable	SOLID	Not Applicable	3543R	Nitrotoluene[3-]	0.25	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20174	Not Applicable	SOLID	Not Applicable	3543R	Nitrotoluene[4-]	0.25	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20174	Not Applicable	SOLID	Not Applicable	3543R	RDX	1	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20174	Not Applicable	SOLID	Not Applicable	3543R	Tetryl	0.65	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20174	Not Applicable	SOLID	Not Applicable	3543R	Trinitrobenzene[1,3,5-]	0.25	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20174	Not Applicable	SOLID	Not Applicable	3543R	Trinitrotoluene[2,4,6-]	0.25	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20186	Not Applicable	SOIL	Not Applicable	3511R	Amino-2,6-dinitrotoluene[4-]	0.084	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20186	Not Applicable	SOIL	Not Applicable	3511R	Amino-4,6-dinitrotoluene[2-]	0.082	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20186	Not Applicable	SOIL	Not Applicable	3511R	Dinitrobenzene[1,3-]	0.08	MG/KG	BLANK	ANALYTE	U

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Not Applicable	Not Applicable	QC-97-20186	Not Applicable	SOIL	Not Applicable	3511R	Dinitrotoluene[2,4-]	0.06	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20186	Not Applicable	SOIL	Not Applicable	3511R	Dinitrotoluene[2,6-]	0.08	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20186	Not Applicable	SOIL	Not Applicable	3511R	Dinitrotoluene[3,4-]	102	%	BLANK	SURR	None
Not Applicable	Not Applicable	QC-97-20186	Not Applicable	SOIL	Not Applicable	3511R	HMX	0.162	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20186	Not Applicable	SOIL	Not Applicable	3511R	Nitrobenzene	0.09	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20186	Not Applicable	SOIL	Not Applicable	3511R	Nitrotoluene[2-]	0.158	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20186	Not Applicable	SOIL	Not Applicable	3511R	Nitrotoluene[3-]	0.174	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20186	Not Applicable	SOIL	Not Applicable	3511R	Nitrotoluene[4-]	0.16	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20186	Not Applicable	SOIL	Not Applicable	3511R	RDX	0.161	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20186	Not Applicable	SOIL	Not Applicable	3511R	Tetryl	0.092	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20186	Not Applicable	SOIL	Not Applicable	3511R	Trinitrobenzene[1,3,5-]	0.08	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20186	Not Applicable	SOIL	Not Applicable	3511R	Trinitrotoluene[2,4,6-]	0.084	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20187	Not Applicable	SOIL	Not Applicable	3511R	Amino-2,6-dinitrotoluene[4-]	95.6	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20187	Not Applicable	SOIL	Not Applicable	3511R	Amino-4,6-dinitrotoluene[2-]	98.9	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20187	Not Applicable	SOIL	Not Applicable	3511R	Dinitrobenzene[1,3-]	102.1	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20187	Not Applicable	SOIL	Not Applicable	3511R	Dinitrotoluene[2,4-]	112.4	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20187	Not Applicable	SOIL	Not Applicable	3511R	Dinitrotoluene[2,6-]	99.6	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20187	Not Applicable	SOIL	Not Applicable	3511R	Dinitrotoluene[3,4-]	105	%	BS	SURR	None
Not Applicable	Not Applicable	QC-97-20187	Not Applicable	SOIL	Not Applicable	3511R	HMX	102.4	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20187	Not Applicable	SOIL	Not Applicable	3511R	Nitrobenzene	104	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20187	Not Applicable	SOIL	Not Applicable	3511R	Nitrotoluene[2-]	101.2	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20187	Not Applicable	SOIL	Not Applicable	3511R	Nitrotoluene[3-]	98.8	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20187	Not Applicable	SOIL	Not Applicable	3511R	Nitrotoluene[4-]	99.7	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20187	Not Applicable	SOIL	Not Applicable	3511R	RDX	101.1	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20187	Not Applicable	SOIL	Not Applicable	3511R	Tetryl	93.3	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20187	Not Applicable	SOIL	Not Applicable	3511R	Trinitrobenzene[1,3,5-]	112.1	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20187	Not Applicable	SOIL	Not Applicable	3511R	Trinitrotoluene[2,4,6-]	102.3	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Acenaphthene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Acenaphthylene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Aniline	0.67	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Anthracene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Azobenzene	0.67	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Benzidine	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Benzo(a)anthracene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Benzo(a)pyrene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Benzo(b)fluoranthene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Benzo(g,h,i)perylene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Benzoic Acid	1.7	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Benzyl Alcohol	0.67	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Bis(2-chloroethoxy)methane	0.33	MG/KG	BLANK	ANALYTE	U

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Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Bis(2-chloroethyl)ether	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Bis(2-ethylhexyl)phthalate	0.78	MG/KG	BLANK	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Bromophenyl-phenylether[4-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Butylbenzylphthalate	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Carbazole	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Chloro-3-methylphenol[4-]	0.67	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Chloroaniline[4-]	0.67	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Chloronaphthalene[2-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Chlorophenol[2-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Chlorophenyl-phenyl[4-] Ether	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Chrysene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Di-n-butylphthalate	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Di-n-octylphthalate	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Dibenz(a,h)anthracene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Dibenzofuran	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Dichlorobenzene[1,2-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Dichlorobenzene[1,3-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Dichlorobenzene[1,4-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Dichlorobenzidine[3,3'-]	0.67	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Dichlorophenol[2,4-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Diethylphthalate	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Dimethyl Phthalate	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Dimethylphenol[2,4-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Dinitro-2-methylphenol[4,6-]	1.7	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Dinitrophenol[2,4-]	1.7	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Dinitrotoluene[2,4-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Dinitrotoluene[2,6-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Fluoranthene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Fluorene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Fluorobiphenyl[2-]	90	%	BLANK	SURR	None
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Fluorophenol[2-]	80	%	BLANK	SURR	None
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Hexachlorobenzene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Hexachlorobutadiene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Hexachlorocyclopentadiene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Hexachloroethane	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Indeno(1,2,3-cd)pyrene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Isophorone	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Methylnaphthalene[2-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Methylphenol[2-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Methylphenol[4-]	0.33	MG/KG	BLANK	ANALYTE	U

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Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Naphthalene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Nitroaniline[2-]	1.7	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Nitroaniline[3-]	1.7	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Nitroaniline[4-]	0.67	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Nitrobenzene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Nitrobenzene-d5	85	%	BLANK	SURR	None
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Nitrophenol[2-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Nitrophenol[4-]	1.7	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Nitroso-di-n-propylamine[N-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Nitrosodimethylamine[N-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Nitrosodiphenylamine[N-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Oxybis(1-chloropropane)[2,2'-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Pentachlorophenol	1.7	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Phenanthrene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Phenol	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Phenol-d6	80	%	BLANK	SURR	None
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Pyrene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Pyridine	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Terphenyl-d14[4-]	83	%	BLANK	SURR	None
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Tribromophenol[2,4,6-]	81	%	BLANK	SURR	None
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Trichlorobenzene[1,2,4-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Trichlorophenol[2,4,5-]	1.7	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20191	Not Applicable	SOLID	Not Applicable	3517R	Trichlorophenol[2,4,6-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20192	Not Applicable	SOLID	Not Applicable	3517R	Acenaphthene	78	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20192	Not Applicable	SOLID	Not Applicable	3517R	Chloro-3-methylphenol[4-]	75	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20192	Not Applicable	SOLID	Not Applicable	3517R	Chlorophenol[2-]	72	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20192	Not Applicable	SOLID	Not Applicable	3517R	Dichlorobenzene[1,4-]	69	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20192	Not Applicable	SOLID	Not Applicable	3517R	Dinitrotoluene[2,4-]	77	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20192	Not Applicable	SOLID	Not Applicable	3517R	Fluorobiphenyl[2-]	79	%	BS	SURR	None
Not Applicable	Not Applicable	QC-97-20192	Not Applicable	SOLID	Not Applicable	3517R	Fluorophenol[2-]	72	%	BS	SURR	None
Not Applicable	Not Applicable	QC-97-20192	Not Applicable	SOLID	Not Applicable	3517R	Nitrobenzene-d5	67	%	BS	SURR	None
Not Applicable	Not Applicable	QC-97-20192	Not Applicable	SOLID	Not Applicable	3517R	Nitrophenol[4-]	68	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20192	Not Applicable	SOLID	Not Applicable	3517R	Nitroso-di-n-propylamine[N-]	73	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20192	Not Applicable	SOLID	Not Applicable	3517R	Pentachlorophenol	58	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20192	Not Applicable	SOLID	Not Applicable	3517R	Phenol	65	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20192	Not Applicable	SOLID	Not Applicable	3517R	Phenol-d6	70	%	BS	SURR	None
Not Applicable	Not Applicable	QC-97-20192	Not Applicable	SOLID	Not Applicable	3517R	Pyrene	77	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20192	Not Applicable	SOLID	Not Applicable	3517R	Terphenyl-d14[4-]	81	%	BS	SURR	None
Not Applicable	Not Applicable	QC-97-20192	Not Applicable	SOLID	Not Applicable	3517R	Tribromophenol[2,4,6-]	80	%	BS	SURR	None
Not Applicable	Not Applicable	QC-97-20192	Not Applicable	SOLID	Not Applicable	3517R	Trichlorobenzene[1,2,4-]	75	%	BS	ANALYTE	None

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Not Applicable	Not Applicable	QC-97-20193	Not Applicable	SOLID	Not Applicable	3517R	Acenaphthene	86	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20193	Not Applicable	SOLID	Not Applicable	3517R	Chloro-3-methylphenol[4-]	79	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20193	Not Applicable	SOLID	Not Applicable	3517R	Chlorophenol[2-]	84	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20193	Not Applicable	SOLID	Not Applicable	3517R	Dichlorobenzene[1,4-]	78	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20193	Not Applicable	SOLID	Not Applicable	3517R	Dinitrotoluene[2,4-]	80	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20193	Not Applicable	SOLID	Not Applicable	3517R	Fluorobiphenyl[2-]	81	%	BSD	SURR	None
Not Applicable	Not Applicable	QC-97-20193	Not Applicable	SOLID	Not Applicable	3517R	Fluorophenol[2-]	71	%	BSD	SURR	None
Not Applicable	Not Applicable	QC-97-20193	Not Applicable	SOLID	Not Applicable	3517R	Nitrobenzene-d5	72	%	BSD	SURR	None
Not Applicable	Not Applicable	QC-97-20193	Not Applicable	SOLID	Not Applicable	3517R	Nitrophenol[4-]	66	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20193	Not Applicable	SOLID	Not Applicable	3517R	Nitroso-di-n-propylamine[N-]	84	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20193	Not Applicable	SOLID	Not Applicable	3517R	Pentachlorophenol	71	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20193	Not Applicable	SOLID	Not Applicable	3517R	Phenol	73	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20193	Not Applicable	SOLID	Not Applicable	3517R	Phenol-d6	78	%	BSD	SURR	None
Not Applicable	Not Applicable	QC-97-20193	Not Applicable	SOLID	Not Applicable	3517R	Pyrene	78	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20193	Not Applicable	SOLID	Not Applicable	3517R	Terphenyl-d14[4-]	79	%	BSD	SURR	None
Not Applicable	Not Applicable	QC-97-20193	Not Applicable	SOLID	Not Applicable	3517R	Tribromophenol[2,4,6-]	81	%	BSD	SURR	None
Not Applicable	Not Applicable	QC-97-20193	Not Applicable	SOLID	Not Applicable	3517R	Trichlorobenzene[1,2,4-]	79	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20209	Not Applicable	SOLID	Not Applicable	3558R	Acenaphthene	65	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20209	Not Applicable	SOLID	Not Applicable	3558R	Chloro-3-methylphenol[4-]	65	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20209	Not Applicable	SOLID	Not Applicable	3558R	Chlorophenol[2-]	62	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20209	Not Applicable	SOLID	Not Applicable	3558R	Dichlorobenzene[1,4-]	59	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20209	Not Applicable	SOLID	Not Applicable	3558R	Dinitrotoluene[2,4-]	57	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20209	Not Applicable	SOLID	Not Applicable	3558R	Fluorobiphenyl[2-]	61	%	BS	SURR	None
Not Applicable	Not Applicable	QC-97-20209	Not Applicable	SOLID	Not Applicable	3558R	Fluorophenol[2-]	53	%	BS	SURR	None
Not Applicable	Not Applicable	QC-97-20209	Not Applicable	SOLID	Not Applicable	3558R	Nitrobenzene-d5	57	%	BS	SURR	None
Not Applicable	Not Applicable	QC-97-20209	Not Applicable	SOLID	Not Applicable	3558R	Nitrophenol[4-]	56	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20209	Not Applicable	SOLID	Not Applicable	3558R	Nitroso-di-n-propylamine[N-]	65	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20209	Not Applicable	SOLID	Not Applicable	3558R	Pentachlorophenol	54	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20209	Not Applicable	SOLID	Not Applicable	3558R	Phenol	58	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20209	Not Applicable	SOLID	Not Applicable	3558R	Phenol-d5	58	%	BS	SURR	None
Not Applicable	Not Applicable	QC-97-20209	Not Applicable	SOLID	Not Applicable	3558R	Pyrene	58	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20209	Not Applicable	SOLID	Not Applicable	3558R	Terphenyl-d14[4-]	58	%	BS	SURR	None
Not Applicable	Not Applicable	QC-97-20209	Not Applicable	SOLID	Not Applicable	3558R	Tribromophenol[2,4,6-]	60	%	BS	SURR	None
Not Applicable	Not Applicable	QC-97-20209	Not Applicable	SOLID	Not Applicable	3558R	Trichlorobenzene[1,2,4-]	64	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20210	Not Applicable	SOLID	Not Applicable	3558R	Acenaphthene	64	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20210	Not Applicable	SOLID	Not Applicable	3558R	Chloro-3-methylphenol[4-]	65	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20210	Not Applicable	SOLID	Not Applicable	3558R	Chlorophenol[2-]	63	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20210	Not Applicable	SOLID	Not Applicable	3558R	Dichlorobenzene[1,4-]	60	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20210	Not Applicable	SOLID	Not Applicable	3558R	Dinitrotoluene[2,4-]	55	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20210	Not Applicable	SOLID	Not Applicable	3558R	Fluorobiphenyl[2-]	59	%	BSD	SURR	None

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PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	SAMPLE MATRIX	SAMPLE MEDIUM	REQUEST NUMBER	ANALYTE NAME	STD SAMPLE RESULT	STD REPORTING UNITS	SAMPLE TYPE	ANALYTE TYPE	RFI DATA VALIDATION QUALIFIER
Not Applicable	Not Applicable	QC-97-20210	Not Applicable	SOLID	Not Applicable	3558R	Fluorophenol[2-]	55	%	BSD	SURR	None
Not Applicable	Not Applicable	QC-97-20210	Not Applicable	SOLID	Not Applicable	3558R	Nitrobenzene-d5	56	%	BSD	SURR	None
Not Applicable	Not Applicable	QC-97-20210	Not Applicable	SOLID	Not Applicable	3558R	Nitrophenol[4-]	54	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20210	Not Applicable	SOLID	Not Applicable	3558R	Nitroso-di-n-propylamine[N-]	65	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20210	Not Applicable	SOLID	Not Applicable	3558R	Pentachlorophenol	49	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20210	Not Applicable	SOLID	Not Applicable	3558R	Phenol	57	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20210	Not Applicable	SOLID	Not Applicable	3558R	Phenol-d5	57	%	BSD	SURR	None
Not Applicable	Not Applicable	QC-97-20210	Not Applicable	SOLID	Not Applicable	3558R	Pyrene	59	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20210	Not Applicable	SOLID	Not Applicable	3558R	Terphenyl-d14[4-]	58	%	BSD	SURR	None
Not Applicable	Not Applicable	QC-97-20210	Not Applicable	SOLID	Not Applicable	3558R	Tribromophenol[2,4,6-]	56	%	BSD	SURR	None
Not Applicable	Not Applicable	QC-97-20210	Not Applicable	SOLID	Not Applicable	3558R	Trichlorobenzene[1,2,4-]	63	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Acenaphthene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Acenaphthylene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Aniline	0.67	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Anthracene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Azobenzene	0.67	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Benzidine	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Benzo(a)anthracene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Benzo(a)pyrene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Benzo(b)fluoranthene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Benzo(g,h,i)perylene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Benzoic Acid	1.7	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Benzyl Alcohol	0.67	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Bis(2-chloroethoxy)methane	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Bis(2-chloroethyl)ether	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Bis(2-ethylhexyl)phthalate	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Bromophenyl-phenylether[4-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Butylbenzylphthalate	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Carbazole	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Chloro-3-methylphenol[4-]	0.67	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Chloroaniline[4-]	0.67	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Chloronaphthalene[2-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Chlorophenol[2-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Chlorophenyl-phenyl[4-] Ether	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Chrysene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Di-n-butylphthalate	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Di-n-octylphthalate	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Dibenz(a,h)anthracene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Dibenzofuran	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Dichlorobenzene[1,2-]	0.33	MG/KG	BLANK	ANALYTE	U

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Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Dichlorobenzene[1,3-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Dichlorobenzene[1,4-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Dichlorobenzidine[3,3'-]	0.67	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Dichlorophenol[2,4-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Diethylphthalate	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Dimethyl Phthalate	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Dimethylphenol[2,4-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Dinitro-2-methylphenol[4,6-]	1.7	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Dinitrophenol[2,4-]	1.7	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Dinitrotoluene[2,4-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Dinitrotoluene[2,6-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Fluoranthene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Fluorene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Fluorobiphenyl[2-]	58	%	BLANK	SURR	None
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Fluorophenol[2-]	52	%	BLANK	SURR	None
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Hexachlorobenzene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Hexachlorobutadiene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Hexachlorocyclopentadiene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Hexachloroethane	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Indeno(1,2,3-cd)pyrene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Isophorone	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Methylnaphthalene[2-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Methylphenol[2-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Methylphenol[4-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Naphthalene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Nitroaniline[2-]	1.7	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Nitroaniline[3-]	1.7	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Nitroaniline[4-]	0.67	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Nitrobenzene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Nitrobenzene-d5	54	%	BLANK	SURR	None
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Nitrophenol[2-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Nitrophenol[4-]	1.7	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Nitroso-di-n-propylamine[N-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Nitrosodimethylamine[N-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Nitrosodiphenylamine[N-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Oxybis(1-chloropropane)[2,2'-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Pentachlorophenol	1.7	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Phenanthrene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Phenol	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Phenol-d5	54	%	BLANK	SURR	None

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Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Pyrene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Pyridine	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Terphenyl-d14[4-]	58	%	BLANK	SURR	None
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Tribromophenol[2,4,6-]	51	%	BLANK	SURR	None
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Trichlorobenzene[1,2,4-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Trichlorophenol[2,4,5-]	1.7	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20211	Not Applicable	SOLID	Not Applicable	3558R	Trichlorophenol[2,4,6-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20220	Not Applicable	SOLID	Not Applicable	3552R	Benzene	93	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20220	Not Applicable	SOLID	Not Applicable	3552R	Bromofluorobenzene[4-]	97	%	BS	SURR	None
Not Applicable	Not Applicable	QC-97-20220	Not Applicable	SOLID	Not Applicable	3552R	Chlorobenzene	93	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20220	Not Applicable	SOLID	Not Applicable	3552R	Dibromofluoromethane	102	%	BS	SURR	None
Not Applicable	Not Applicable	QC-97-20220	Not Applicable	SOLID	Not Applicable	3552R	Dichloroethene[1,1-]	87	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20220	Not Applicable	SOLID	Not Applicable	3552R	Toluene	94	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20220	Not Applicable	SOLID	Not Applicable	3552R	Toluene-d8	102	%	BS	SURR	None
Not Applicable	Not Applicable	QC-97-20220	Not Applicable	SOLID	Not Applicable	3552R	Trichloroethene	94	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20221	Not Applicable	SOLID	Not Applicable	3552R	Benzene	93	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20221	Not Applicable	SOLID	Not Applicable	3552R	Bromofluorobenzene[4-]	97	%	BSD	SURR	None
Not Applicable	Not Applicable	QC-97-20221	Not Applicable	SOLID	Not Applicable	3552R	Chlorobenzene	92	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20221	Not Applicable	SOLID	Not Applicable	3552R	Dibromofluoromethane	104	%	BSD	SURR	None
Not Applicable	Not Applicable	QC-97-20221	Not Applicable	SOLID	Not Applicable	3552R	Dichloroethene[1,1-]	90	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20221	Not Applicable	SOLID	Not Applicable	3552R	Toluene	94	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20221	Not Applicable	SOLID	Not Applicable	3552R	Toluene-d8	102	%	BSD	SURR	None
Not Applicable	Not Applicable	QC-97-20221	Not Applicable	SOLID	Not Applicable	3552R	Trichloroethene	97	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Acetone	0.02	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Benzene	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Bromobenzene	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Bromochloromethane	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Bromodichloromethane	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Bromofluorobenzene[4-]	100	%	BLANK	SURR	None
Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Bromoform	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Bromomethane	0.01	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Butanone[2-]	0.02	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Butylbenzene[n-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Butylbenzene[sec-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Butylbenzene[tert-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Carbon Disulfide	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Carbon Tetrachloride	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Chlorobenzene	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Chlorodibromomethane	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Chloroethane	0.01	MG/KG	BLANK	ANALYTE	U

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Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Chloroform	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Chloromethane	0.01	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Chlorotoluene[2-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Chlorotoluene[4-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Dibromo-3-chloropropane[1,2-]	0.01	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Dibromoethane[1,2-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Dibromofluoromethane	98	%	BLANK	SURR	None
Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Dibromomethane	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Dichlorobenzene[1,2-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Dichlorobenzene[1,3-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Dichlorobenzene[1,4-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Dichlorodifluoromethane	0.01	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Dichloroethane[1,1-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Dichloroethane[1,2-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Dichloroethene[1,1-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Dichloroethene[cis-1,2-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Dichloroethene[trans-1,2-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Dichloropropane[1,2-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Dichloropropane[1,3-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Dichloropropane[2,2-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Dichloropropene[1,1-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Dichloropropene[cis-1,3-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Dichloropropene[trans-1,3-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Ethylbenzene	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Hexachlorobutadiene	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Hexanone[2-]	0.02	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Iodomethane	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Isopropylbenzene	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Isopropyltoluene[4-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Methyl-2-pentanone[4-]	0.02	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Methylene Chloride	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Naphthalene	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Propylbenzene[1-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Styrene	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Tetrachloroethane[1,1,1,2-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Tetrachloroethane[1,1,2,2-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Tetrachloroethene	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Toluene	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Toluene-d8	104	%	BLANK	SURR	None
Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.005	MG/KG	BLANK	ANALYTE	U

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Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Trichlorobenzene[1,2,3-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Trichlorobenzene[1,2,4-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Trichloroethane[1,1,1-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Trichloroethane[1,1,2-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Trichloroethene	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Trichlorofluoromethane	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Trichloropropane[1,2,3-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Trimethylbenzene[1,2,4-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Trimethylbenzene[1,3,5-]	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Vinyl Chloride	0.01	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-20222	Not Applicable	SOLID	Not Applicable	3552R	Xylene (Total)	0.005	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-21242	Not Applicable	SOLID	Not Applicable	3552R	Acenaphthene	78	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-21242	Not Applicable	SOLID	Not Applicable	3552R	Chloro-3-methylphenol[4-]	75	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-21242	Not Applicable	SOLID	Not Applicable	3552R	Chlorophenol[2-]	72	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-21242	Not Applicable	SOLID	Not Applicable	3552R	Dichlorobenzene[1,4-]	69	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-21242	Not Applicable	SOLID	Not Applicable	3552R	Dinitrotoluene[2,4-]	77	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-21242	Not Applicable	SOLID	Not Applicable	3552R	Fluorobiphenyl[2-]	79	%	BS	SURR	None
Not Applicable	Not Applicable	QC-97-21242	Not Applicable	SOLID	Not Applicable	3552R	Fluorophenol[2-]	72	%	BS	SURR	None
Not Applicable	Not Applicable	QC-97-21242	Not Applicable	SOLID	Not Applicable	3552R	Nitrobenzene-d5	67	%	BS	SURR	None
Not Applicable	Not Applicable	QC-97-21242	Not Applicable	SOLID	Not Applicable	3552R	Nitrophenol[4-]	68	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-21242	Not Applicable	SOLID	Not Applicable	3552R	Nitroso-di-n-propylamine[N-]	73	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-21242	Not Applicable	SOLID	Not Applicable	3552R	Pentachlorophenol	58	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-21242	Not Applicable	SOLID	Not Applicable	3552R	Phenol	65	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-21242	Not Applicable	SOLID	Not Applicable	3552R	Phenol-d5	70	%	BS	SURR	None
Not Applicable	Not Applicable	QC-97-21242	Not Applicable	SOLID	Not Applicable	3552R	Pyrene	77	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-21242	Not Applicable	SOLID	Not Applicable	3552R	Terphenyl-d14[4-]	81	%	BS	SURR	None
Not Applicable	Not Applicable	QC-97-21242	Not Applicable	SOLID	Not Applicable	3552R	Tribromophenol[2,4,6-]	80	%	BS	SURR	None
Not Applicable	Not Applicable	QC-97-21242	Not Applicable	SOLID	Not Applicable	3552R	Trichlorobenzene[1,2,4-]	75	%	BS	ANALYTE	None
Not Applicable	Not Applicable	QC-97-21243	Not Applicable	SOLID	Not Applicable	3552R	Acenaphthene	86	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-21243	Not Applicable	SOLID	Not Applicable	3552R	Chloro-3-methylphenol[4-]	79	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-21243	Not Applicable	SOLID	Not Applicable	3552R	Chlorophenol[2-]	84	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-21243	Not Applicable	SOLID	Not Applicable	3552R	Dichlorobenzene[1,4-]	78	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-21243	Not Applicable	SOLID	Not Applicable	3552R	Dinitrotoluene[2,4-]	80	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-21243	Not Applicable	SOLID	Not Applicable	3552R	Fluorobiphenyl[2-]	81	%	BSD	SURR	None
Not Applicable	Not Applicable	QC-97-21243	Not Applicable	SOLID	Not Applicable	3552R	Fluorophenol[2-]	71	%	BSD	SURR	None
Not Applicable	Not Applicable	QC-97-21243	Not Applicable	SOLID	Not Applicable	3552R	Nitrobenzene-d5	72	%	BSD	SURR	None
Not Applicable	Not Applicable	QC-97-21243	Not Applicable	SOLID	Not Applicable	3552R	Nitrophenol[4-]	66	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-21243	Not Applicable	SOLID	Not Applicable	3552R	Nitroso-di-n-propylamine[N-]	84	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-21243	Not Applicable	SOLID	Not Applicable	3552R	Pentachlorophenol	71	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-21243	Not Applicable	SOLID	Not Applicable	3552R	Phenol	73	%	BSD	ANALYTE	None

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Not Applicable	Not Applicable	QC-97-21243	Not Applicable	SOLID	Not Applicable	3552R	Phenol-d5	78	%	BSD	SURR	None
Not Applicable	Not Applicable	QC-97-21243	Not Applicable	SOLID	Not Applicable	3552R	Pyrene	78	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-21243	Not Applicable	SOLID	Not Applicable	3552R	Terphenyl-d14[4-]	79	%	BSD	SURR	None
Not Applicable	Not Applicable	QC-97-21243	Not Applicable	SOLID	Not Applicable	3552R	Tribromophenol[2,4,6-]	81	%	BSD	SURR	None
Not Applicable	Not Applicable	QC-97-21243	Not Applicable	SOLID	Not Applicable	3552R	Trichlorobenzene[1,2,4-]	79	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Acenaphthene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Acenaphthylene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Aniline	0.67	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Anthracene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Azobenzene	0.67	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Benzidine	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Benzo(a)anthracene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Benzo(a)pyrene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Benzo(b)fluoranthene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Benzo(g,h,i)perylene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Benzoic Acid	1.7	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Benzyl Alcohol	0.67	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Bis(2-chloroethoxy)methane	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Bis(2-chloroethyl)ether	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Bis(2-ethylhexyl)phthalate	0.78	MG/KG	BLANK	ANALYTE	None
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Bromophenyl-phenylether[4-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Butylbenzylphthalate	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Carbazole	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Chloro-3-methylphenol[4-]	0.67	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Chloroaniline[4-]	0.67	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Chloronaphthalene[2-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Chlorophenol[2-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Chlorophenyl-phenyl[4-] Ether	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Chrysene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Di-n-butylphthalate	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Di-n-octylphthalate	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Dibenz(a,h)anthracene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Dibenzofuran	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Dichlorobenzene[1,2-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Dichlorobenzene[1,3-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Dichlorobenzene[1,4-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Dichlorobenzidine[3,3'-]	0.67	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Dichlorophenol[2,4-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Diethylphthalate	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Dimethyl Phthalate	0.33	MG/KG	BLANK	ANALYTE	U

PRS 15-009(j) VCA QC ANALYTICAL DATA

PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	SAMPLE MATRIX	SAMPLE MEDIUM	REQUEST NUMBER	ANALYTE NAME	STD SAMPLE RESULT	STD REPORTING UNITS	SAMPLE TYPE	ANALYTE TYPE	RFI DATA VALIDATION QUALIFIER
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Dimethylphenol[2,4-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Dinitro-2-methylphenol[4,6-]	1.7	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Dinitrophenol[2,4-]	1.7	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Dinitrotoluene[2,4-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Dinitrotoluene[2,6-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Fluoranthene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Fluorene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Fluorobiphenyl[2-]	90	%	BLANK	SURR	None
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Fluorophenol[2-]	80	%	BLANK	SURR	None
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Hexachlorobenzene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Hexachlorobutadiene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Hexachlorocyclopentadiene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Hexachloroethane	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Indeno(1,2,3-cd)pyrene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Isophorone	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Methylnaphthalene[2-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Methylphenol[2-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Methylphenol[4-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Naphthalene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Nitroaniline[2-]	1.7	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Nitroaniline[3-]	1.7	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Nitroaniline[4-]	0.67	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Nitrobenzene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Nitrobenzene-d5	85	%	BLANK	SURR	None
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Nitrophenol[2-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Nitrophenol[4-]	1.7	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Nitroso-di-n-propylamine[N-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Nitrosodimethylamine[N-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Nitrosodiphenylamine[N-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Oxybis(1-chloropropane)[2,2'-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Pentachlorophenol	1.7	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Phenanthrene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Phenol	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Phenol-d5	80	%	BLANK	SURR	None
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Pyrene	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Pyridine	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Terphenyl-d14[4-]	83	%	BLANK	SURR	None
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Tribromophenol[2,4,6-]	81	%	BLANK	SURR	None
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Trichlorobenzene[1,2,4-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Trichlorophenol[2,4,5-]	1.7	MG/KG	BLANK	ANALYTE	U

PRS NUMBER	LOCATION ID	SAMPLE ID	COLLECTION DATE	SAMPLE MATRIX	SAMPLE MEDIUM	REQUEST NUMBER	ANALYTE NAME	STD SAMPLE RESULT	STD REPORTING UNITS	SAMPLE TYPE	ANALYTE TYPE	RFI DATA VALIDATION QUALIFIER
Not Applicable	Not Applicable	QC-97-21244	Not Applicable	SOLID	Not Applicable	3552R	Trichlorophenol[2,4,6-]	0.33	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-2800	Not Applicable	SOLID	Not Applicable	3526R	Acenaphthene	86	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-2800	Not Applicable	SOLID	Not Applicable	3526R	Chloro-3-methylphenol[4-]	79	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-2800	Not Applicable	SOLID	Not Applicable	3526R	Chlorophenol[2-]	84	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-2800	Not Applicable	SOLID	Not Applicable	3526R	Dichlorobenzene[1,4-]	78	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-2800	Not Applicable	SOLID	Not Applicable	3526R	Dinitrotoluene[2,4-]	80	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-2800	Not Applicable	SOLID	Not Applicable	3526R	Fluorobiphenyl[2-]	81	%	BSD	SURR	None
Not Applicable	Not Applicable	QC-97-2800	Not Applicable	SOLID	Not Applicable	3526R	Fluorophenol[2-]	71	%	BSD	SURR	None
Not Applicable	Not Applicable	QC-97-2800	Not Applicable	SOLID	Not Applicable	3526R	Nitrobenzene-d5	72	%	BSD	SURR	None
Not Applicable	Not Applicable	QC-97-2800	Not Applicable	SOLID	Not Applicable	3526R	Nitrophenol[4-]	66	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-2800	Not Applicable	SOLID	Not Applicable	3526R	Nitroso-di-n-propylamine[N-]	84	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-2800	Not Applicable	SOLID	Not Applicable	3526R	Pentachlorophenol	71	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-2800	Not Applicable	SOLID	Not Applicable	3526R	Phenol	73	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-2800	Not Applicable	SOLID	Not Applicable	3526R	Phenol-d6	78	%	BSD	SURR	None
Not Applicable	Not Applicable	QC-97-2800	Not Applicable	SOLID	Not Applicable	3526R	Pyrene	78	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-2800	Not Applicable	SOLID	Not Applicable	3526R	Terphenyl-d14[4-]	79	%	BSD	SURR	None
Not Applicable	Not Applicable	QC-97-2800	Not Applicable	SOLID	Not Applicable	3526R	Tribromophenol[2,4,6-]	81	%	BSD	SURR	None
Not Applicable	Not Applicable	QC-97-2800	Not Applicable	SOLID	Not Applicable	3526R	Trichlorobenzene[1,2,4-]	79	%	BSD	ANALYTE	None
Not Applicable	Not Applicable	QC-97-2801	Not Applicable	SOLID	Not Applicable	3527R	Amino-2,6-dinitrotoluene[4-]	0.25	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-2801	Not Applicable	SOLID	Not Applicable	3527R	Amino-4,6-dinitrotoluene[2-]	0.25	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-2801	Not Applicable	SOLID	Not Applicable	3527R	Dinitrobenzene[1,3-]	0.25	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-2801	Not Applicable	SOLID	Not Applicable	3527R	Dinitrobenzene[1,4-]	92	%	BLANK	SURR	None
Not Applicable	Not Applicable	QC-97-2801	Not Applicable	SOLID	Not Applicable	3527R	Dinitrotoluene[2,4-]	0.25	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-2801	Not Applicable	SOLID	Not Applicable	3527R	Dinitrotoluene[2,6-]	0.26	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-2801	Not Applicable	SOLID	Not Applicable	3527R	HMX	2.2	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-2801	Not Applicable	SOLID	Not Applicable	3527R	Nitrobenzene	0.26	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-2801	Not Applicable	SOLID	Not Applicable	3527R	Nitrotoluene[2-]	0.25	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-2801	Not Applicable	SOLID	Not Applicable	3527R	Nitrotoluene[3-]	0.25	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-2801	Not Applicable	SOLID	Not Applicable	3527R	Nitrotoluene[4-]	0.25	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-2801	Not Applicable	SOLID	Not Applicable	3527R	RDX	1	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-2801	Not Applicable	SOLID	Not Applicable	3527R	Tetryl	0.65	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-2801	Not Applicable	SOLID	Not Applicable	3527R	Trinitrobenzene[1,3,5-]	0.25	MG/KG	BLANK	ANALYTE	U
Not Applicable	Not Applicable	QC-97-2801	Not Applicable	SOLID	Not Applicable	3527R	Trinitrotoluene[2,4,6-]	0.25	MG/KG	BLANK	ANALYTE	U

D-3.0 OTHER APPLICABLE VCA RESULTS – DRILLING LOGS

ICF KAISER

Borehole # 15-2588

Date(s) Drilled	08/11/97	Rig Type	CME 750
Geologist/Engineer	Catherine Goetz	PRS	15-009j
Supervising Geologist		Borehole Diameter	8 in
Drilling Subcontractor	Stewart Brothers	Total Depth of Hole	15 ft

Depth (ft.)	% Recovery	Meter Reading	Sample ID	Samples	General Lithology	Materials Description	Remarks
0–2	100%	Background			OL	Silty, sandy loam (OL); dark brown (7.5yr, 3/2); damp; weathere d tuff; undisturbed; rootlets	crushed tuff,light pink , in shoe
3						Slough	
3–4	100%		0215-97-0013 0215-97-0014		OL/ Qbt	Silty loam/ weathered tuff; brown, (7.5yr 5/3); dry; rootlets	occasional tuff fragment
4–5					Qbt	Tuff; very pale brown, (10yr 7/4); dry; weathered	
5–7	100%				Qbt	Tuff; very pale brown (10yr 7/4);dry; mod. - slight welded; occasional cobble	cobble from seepage pit
8–9	75%				Qbt	Tuff; pale brown, (10yr 6/3); as above with no cobbles	
10					Qbt	Tuff; white, (7.5yr 8/1); as above	
11–12	30%				Qbt	color change to pink grey (7.5yr, 7/2)	
13–14	20%				Qbt	Tuff; as above occasional cobble 4-8" ("river rock")	cobble from seepage pit

Job Number_____

ICF KAISER

Borehole # 15-2588

Date(s) Drilled 08/11/97 PRS 15-009j Rig Type CME 750

Depth (ft.)	% Recovery	Meter Reading	Sample ID	Samples	General Lithology	Materials Description	Remarks
14					Qbt	As above	Attempt to drill through cobbles using a center bit - unsuccessful. Rig continues to be pulled back into the cobble fill of the seepage pit. Terminate borehole and relocate to complete sampling effort.
15						Terminate borehole at 15 ft.	
16							
17							
18							Note: Advanced borehole with 8" OD hollow stem auger (HA). Continuous core and sample recovery conducted with 3' ID split spoon
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

Job Number _____

ICF KAISER

Borehole # 15-2590

Date(s) Drilled	08/11 -12 /97	Rig Type	CME 750
Geologist/Engineer	Cathrine Goetz	PRS	15-009j
Supervising Geologist		Borehole Diameter	8 in
Drilling Subcontractor	Stewart Brothers	Total Depth of Hole	60 feet

Depth (ft.)	% Recovery	Meter Reading	Sample ID	Samples	General Lithology	Materials Description	Remarks
0						Borehole is continuation from location 15-2588 Cuttings primarily light pink tuff; pulverized,dry	
1							
2							
3							
4							
5							
6							
7							
8							
9							Note: Advanced borehole with 8" OD hollow stem auger (HA). Continuous core and sample recovery conducted with 3' ID split spoon
10							
11							
12							
13	100%	PID & RAD bckgnd	0215-97 0102		Qbt	Tuff; pinkish gray (7.5yr,7/2); lightly welded; pumice phenocrysts; dry; fault -sealed with clay, strong brown (7.5yr, 5/6).	fault is near vertical
14							

Job Number_____

ICF KAISER

Borehole # 15-2590

Date(s) Drilled 8/11&12/97 PRS 15-009i Rig Type CME 750

Depth (ft.)	% Recovery	Meter Reading	Sample ID	Samples	General Lithology	Materials Description	Remarks
14	100%	PID & RAD bekgnd				as above	fault material collected for sample
15					Qbt	fault end; remaining core as above	fault terminates in near horizontal plane
16							
17							
18					Qbt		
19							
20		0215-97 0015			Qbt	Tuff; pinkish gray, (5yr,6/2); increase in welding; decrease in phenocrysts; dry	small horizontl fault included in sample
21							
22							
23					Qbt	Tuff; light gray, (7.5 yr,7/1); mod.welded; slight phenocrysts approx.1/4" size, dry	small horizontal fault
24							
25					Qbt	as above	
26							
27							
28					Qbt	as above; slightly less welded	
29							
30							

Job Number _____

ICF KAISER

Borehole # 15-2590

Date(s) Drilled 8/11/97 PRS 15009i Rig Type CME 750

Depth (ft.)	% Recovery	Meter Reading	Sample ID	Samples	General Lithology	Materials Description	Remarks
30							
31	100%	PID & RAD bckgnd			Qbt	as above; mod welded	
32							small trace of fault
33						Tuff; pinkish gray, (7.5yr,6/2); mod. to low welding; few phenocrysts damp to dry	
34					Qbt		
35							
36					Qbt	as above; mod. welded	
37							
38						as above ; increase in phenocrysts of 3/4" pumice slightly less welded	
39					Qbt		
40							
41					Qbt	as above	
42							
						slight lamination in base	
43						as above; gray (7.5yr,6/1)	
44					Qbt		
45						as above	
46							

Job Number _____

ICF KAISER

Borehole # 15-2590

Date(s) Drilled 8/11&12/97 PRS 15-009j Rig Type CME 750

Depth (ft.)	% Recovery	Meter Reading	Sample ID	Samples	General Lithology	Materials Description	Remarks
47	100%	PID & RAD bckgnd			Qbt	As above damp to dry ; low welding	
48 49					Qbt	Tuff; lt brown(7.5yr,6/3) to brown (7.5 yr,5/3); mod welded;grain sand-like; slightly damp.	
50						Tuff;lt grey(5yr,7/1); unconsolidated;ashlike xstals,med gransize,clear cleavage structure noted	
51 52					Qbt	As above; fine grain; unconsolidated;dry; v.fine xstal 50%	occasional brown clast of med. sand grain material
53 54					Qbt	As above; cont. increase in xstalline appearance	v.fine to small grain phenocrysts
55 56 57					Qbt	As above; slight increase in welding- slightly consolidated	50% xstals fine sand size
58					Qbt	As above; low welded; xstals fine to med.grain;	
59			0215-97 -0016			color change to pinkish grey (7.5yr,6/2)	
60						Terminate drilling at 60 feet	Borehole backfilled with cuttings and bentonite
61							

Job Number _____

ICF KAISER

Borehole # 15-2589

Date(s) Drilled	8/12/97	Rig Type	CME 750
Geologist/Engineer	Catherine Goetz	PRS	15-009j
Supervising Geologist		Borehole Diameter	8 inches
Drilling Subcontractor	Stewart Brothers	Total Depth of Hole	7.5 feet

Depth (ft.)	% Recovery	Meter Reading	Sample ID	Samples	General Lithology	Materials Description	Remarks
0							
1	50%	PID & RAD bckgnd			OL	Silty, sandy loam (OL); brown; damp; rootlets Tuff;white,(7.5yr,8/2);dry	Possible boulder
2							
3	100%		0215-97-0017		ML	Core vertically divided -50% as above; 50% Sandy silt;yellow brown, (10yr,5/4); silts 70-85%; silt fraction increases with depth	Silt may be fill material PVC pipe from inlet pipe in cuttings
4							
5							
6	100%				ML/ GM	As above with 3 to 4", rounded cobbles; dry	
7						Tuff; white, (7.5,8/1); dry	Possible boulder
8						Terminate drilling at 7.5 feet. Shifted drilling to location 15-2591.	
9							
10							
11							Note: Advanced borehole with 8" OD hollow stem auger (HA). Continuous core and sample recovery conducted with 3' ID split spoon
12							
13							
14							

Job Number_____

ICF KAISER

Borehole # 15-2591

Date(s) Drilled	8/12/97	Rig Type	CME 750
Geologist/Engineer	Catherine Goetz	PRS	15-009j
Supervising Geologist		Borehole Diameter	8 inches
Drilling Subcontractor	Stewart Brothers	Total Depth of Hole	60 feet

Depth (ft.)	% Recovery	Meter Reading	Sample ID	Samples	General Lithology	Materials Description	Remarks
0						Borehole is continuation from location 15-2589	
1							
2							
3							
4							
5							
6							
7							
8	100%	PID& RAD bckgrd			Qbt	slough Tuff; light grey (5yr,7/1); light to mod. welding; phenocrysts,30-40% v.fine to fine, clear to grey xstals occasional pumice; dry	
9							
10							
11	100%				Qbt	As above; 1/4" size pumice phenocrysts,5-10% fine xstals ,40-50 % mod welded	
12			0215-97-0019				
13	100%				Qbt	As above; horizontal seperation from lense of brown welded ash-cooling bands noted	
14							

Job Number_____

ICF KAISER

Borehole # 15-2591

Date(s) Drilled 8/12/97 PRS 15-009j Rig Type CME 750

Depth (ft.)	% Recovery	Meter Reading	Sample ID	Samples	General Lithology	Materials Description	Remarks
14					Qbt	As above	
15							
16	100%				Qbt	As above; increase in pumice/ash phenocrysts- entire core less dense	
17							
18						As above	
19	100%		0215-97-0019		Qbt		
20							
21	100%				Qbt	As above; occasional 1" phenocrysts	
22							
23						As above; decrease in phenocrysts; slight color change to pinkish grey, (5yr,7/2)	
24	100%				Qbt		
25							
26	100%				Qbt	As above	
27							
28						As above; slightly less welded;low core density	
29	100%				Qbt		
30							

Job Number _____

ICF KAISER

Borehole # 15-2591

Date(s) Drilled 8/12/97 PRS 15-009j Rig Type CME

Depth (ft.)	% Recovery	Meter Reading	Sample ID	Samples	General Lithology	Materials Description	Remarks
30–32	100%				Qbt	As above; mod welded fissile core	
33–35	100%				Qbt	As above; mod welded nonfissile	
35–37	100%				Qbt	As above; slight color change to pinkish grey (5yr, 6/2)	fault line - 45 deg. in pper 6" 2 slight horizontal lines in mid & lower sections
38–40	100%				Qbt	As above; upper 1ft fissile; v. few large phenocrysts, predominately small xstals	
40–42	100%				Qbt	As above; fissile in upper 2 ft of core	
43						As above	
43–45	100%				Qbt	Tuff; pinkish grey, (7.5yr,6/2); unwelded; "pods" of welded material	appears to be an ash zone
45–46							

Job Number _____

ICF KAISER

Borehole # 15-2591

Date(s) Drilled 8/12/97 PRS 15-009j Rig Type CME 750

Depth (ft.)	% Recovery	Meter Reading	Sample ID	Samples	General Lithology	Materials Description	Remarks
46						As above,nonwelded	
47	100%				Qbt	Tuff; lt brownish grey, (10yr,6/2);nonwelded	ash-like (powdery)
48						As above;grey (10yr,6/1); slightly damp in upper 6"	ash-like (powdery)
49	100%				Qbt		
50						As above; grey(5yr,6/1); phenocrysts, xstals- 50 - 60%	ash-like (powdery)
51	100%						
52					Qbt		
53						As above	
54	100%				Qbt		
55						As above; grey (7.5yr,6/1) occasional slight welding to give a granular appearance	
56	100%				Qbt		
57							
58						As above	
59	100%		0215-97 0103		Qbt		
60						Terminate borehole at 60 feet	Borehole backfilled with cuttings and bentonite
61							
62							

Job Number _____

D-4.0 NON VCA DATA

There are no other applicable data used in making PRS 15-009(j) decisions.

APPENDIX E STATISTICAL ANALYSES

No statistical tests were performed on the data from PRS 15-009(j).

APPENDIX F RISK ASSESSMENT CALCULATIONS

F-1.0 HUMAN HEALTH

A quantitative human health risk assessment was not performed for the PRS presented in this VCA Completion Report.

F-2.0 ECOLOGICAL

The ecological scoping checklist for PRS 15-009(j) is provided. The results of the scoping are summarized in Section 3.4.3.3(a), Ecological Screening Assessment.

A quantitative ecological risk assessment was not performed for PRS 15-009(j) and therefore no risk calculations are presented.

Ecological Scoping Checklist
Objectives and Preparation Instructions

Objectives of checklist:

1. Confirm that ecological receptors can be affected by release

2. Determine if PRSs should be combined for screening

3. Evaluate data adequacy - primarily related to nature, rate and extent of contamination

4. Prepare for HQ/HI analysis (determine which screen is appropriate: terrestrial, aquatic screen, both?)

5. Provide information for prioritization / uncertainty analysis, e.g. what are the dominant/important transport pathways, exposure routes, and receptors

Scoping checklist instructions:

1. Obtain the following information to prepare for the scoping meeting
    - Most current biological information for the PRS, which is typically the Biological and Floodplain Assessment for applicable OU and/or TA
    - Surface runoff and erosion information from AP 4.5 Parts A,B
    - RFI Work Plan or Report, as applicable, that provide: contamination source, sample locations, analytical suites, results
    - FIMAD - ArcInfo maps that show the following features: neighboring PRSs, sample locations, vegetation types, watershed name, wetlands

1. Focus area manager for PRS or PRS aggregate will arrange a meeting prior to the site visit

2. Complete Section A of the checklist during the scoping meeting

3. Arrange site visit at an appropriate time of year (ideally spring or summer) to properly evaluate biological resources at the site (if the site visit is planned for another time of year make note of any uncertainties introduced in the initial biological assessment by such timing). The following resources are typically needed for the site visit:
    - Maps showing sample locations and results should be taken on site visit
    - Camera to record site conditions
    - If significant biological or contaminant transport features are noted, the following items will be useful:
        - ⇒ Distance measuring device, either a measuring tape or rangefinder
        - ⇒ GPS or markers to specify locations for surveying

1. Complete Section B of the checklist during the site visit

2. Complete Section C of the checklist after the site visit (should be completed within 1-2 days of site visit)

Ecological Scoping Checklist: Part A
Scoping Meeting Documentation

Note: This scoping was handled very early in the process of developing scoping procedures. Consequently, no scoping meeting was held. Part A of this checklist is provided from information gathered during the field survey of the site and from post-survey inquiry.

Site ID	**PRS 15-009(j), Septic Tank and Seepage Pits**	
Nature of PRS releases (indicate all that apply)	Solid Liquid **XX** Gaseous Other, explain	**Septic tank received liquid waste from Building 15-285.**
List of Primary Impacted Media (indicate all that apply)	Surface soil Surface water/sediment Subsurface **XX** Groundwater Other, explain	**Entire system is subsurface in nature.**
Vegetation class (based on FIMAD or other available sources, indicate all classes that apply)	Water Bare Ground **XXX** Spruce/fir/aspen/mixed conifer Ponderosa pine Piñon juniper/juniper woodland Grassland/shrubland **X** Developed **XX**	**FIMAD vegetation class is bare ground and immediately adjacent to a developed area. The area surrounding the PRS proper is grassland.**
Is T&E Habitat Present? List species if applicable. Are there proposed activities that might impact T&E species at the site?	**The Laboratory's Ecology Group (ESH-20) indicated that this area was in the vicinity of potential Mexican spotted owl nesting habitat, approximately 120 ft from the core area. The PRS is potentially within the area that the Mexican spotted owl can be conservatively assumed to forage at a relatively medium frequency. Because of the proximity of the PRS to an active Laboratory complex it is unlikely that the VCA activities impacted any T&E species that may be present in the general area.**	
Provide list and description of Neighboring/ Contiguous/ Upgradient PRSs (consider need to aggregate PRS for screening)	**PRS 15-012(b) was a wash area located approximately 50-100 ft east of the septic tank [15-009(j)]. This bermed area was used to wash out spheres that were used in explosive tests. The area was bermed, the potential contamination was mainly on the surface, it was slightly downgradient from the septic system at 15-009(j), and was remediated as part of a separate VCA. Firing Site AB [PRSs 15-004(b,c)] was located approximately 500-600 ft east/southeast of the septic tank. This site has been characterized and remediated and did not influence the septic system. Therefore, these PRSs were not aggregated. PRS C-15-002 is a pile of dirt resulting from the excavation of the area where Building 15-285 was built. This excavated dirt pile is located south of the building and, therefore, south of the septic tank. It does not influence the septic tank and was recommended for NFA in the RI Work Plan. The other PRSs are either behind buildings or distant and did not influence PRS 15-009(j).**	
AP 4.5 Part B Information Run-off score (out of 46) Terminal point of surface water transport	**Erosion Matrix Score 15.8** **Run-off score 0.0** **Drainage**	
Other Scoping Meeting Notes		

Ecological Scoping Checklist: Part B
Site Visit Documentation

Site ID	**PRS 15-009(j), Septic Tank and Seepage Pits**
Date of Site Visit	**6/12/98**
Site Visit Conducted by	**Tom Fogg and Richard Mirenda**

Receptor Information:

Estimate cover	% vegetated 25% % wetland 0% % structures/asphalt, etc. 75% **bare ground**	**The area where the septic tank used to be is covered with base course consisting of small cobble/pebbles and dirt surrounded by grass or bare ground.**
Field notes on the vegetation class	**Site visit confirms the vegetation class listed in Part A. Area is primarily bare ground and is adjacent to a developed area. The site is surrounded by grassland mixed with scattered pinon/juniper trees (100 yards or more from the site). The outer perimeter (approximately 400 yards from the PRS) of the area is ponderosa pine. The site has been cleared, graded, and covered by several feet of base course.**	
Field notes on T&E Habitat, if applicable	**Does not appear to be suitable for T&E species because the site is disturbed and adjacent to an active, industrial area.**	
Are ecological receptors present at the PRS? (yes/no/uncertain) Provide explanation	**In excavating the septic tank, no roots were encountered below 3.5 ft. The ecological receptors would most likely be on the surface or within the upper three to four feet, which is above the septic tank. Because the septic system (tank and seepage pits) was subsurface in nature, there are no ecological receptors present.**	

Contaminant Transport Information:

Surface water transport Field notes on the terminal point of surface water transport (if applicable)	**The site is on the mesa top approximately ¼ mile east of Canon de Valle. The slope in the area is <10% and in most places 1-2% and slopes away from Canon de Valle. There is no visible evidence of runoff and no channelization present.**
Are there any other off-site transport pathways? (yes/no/uncertain). Provide explanation	**No. The septic system and associated seepage pits are below ground. There has been no evidence of a release from the septic tank at PRS 15-009(j).**

Ecological Effects Information:

Physical Disturbance (provide list of major types of disturbances)	**Currently, the site is cleared, graded, and covered with several feet of base course, which would impede materials migrating off-site.**
Are there obvious ecological effects? (yes/no/uncertain). Provide explanation	**Yes. The site has been remediated, the area cleared, graded, and covered by several feet of base course.**

No Receptor/ No Pathways:

If there are no receptors and no offsite transport pathways the remainder of the checklist should not be completed. Stop here and provide any additional explanation/justification for proposing an ecological No Further Action recommendation (if needed).

There are no ecological receptors present because the site is subsurface and there has been no release from the septic tank system to the surrounding soil/tuff.

Data Adequacy:

Do existing data provide information on the nature, rate and extent of contamination? (yes/no/uncertain) Provide explanation. (consider if the maximum value was captured by existing sample data).	
Do existing data, process knowledge or observation indicate that other areas of contamination may be influencing the PRS in question or it's area of influence? (yes/no/ uncertain) Explain.	

Additional Field Notes:

Provide additional field notes on the site setting and potential ecological receptors.

Ecological Scoping Checklist: Part C
Ecological Pathways Conceptual Exposure Model

Provide answers to Questions A to Q and use this information to complete the Ecological Pathways Conceptual Exposure Model

Question A:

Could soil contaminants reach receptors via vapors?

- Volatility of the hazardous substance (volatile chemicals generally have Henry's Law constant $>10^{-5}$ atm-me/mol and molecular weight <200 g/mol).

Answer (likely/unlikely/uncertain):

Provide explanation:

Question B:

Could the soil contaminants identified above reach receptors through fugitive dust carried in air?

- Soil contamination would have to be on the actual surface of the soil to become available for dust.
- In the case of dust exposures to burrowing animals, the contamination would have to occur in the depth interval where these burrows occur.

Answer (likely/unlikely/uncertain):

Provide explanation:

Question C:

Can contaminated soil be transported to aquatic ecological communities via surface erosion?

- Use AP 4.5 run-off score and terminal point of surface water runoff to help answer this question.
- If the AP 4.5 run-off score* equal to zero, this suggests that erosion at PRS is not a transport pathway. (* note that the runoff score is not the entire erosion potential score, rather it is a subtotal of this score with a maximum value of 46 points)
- If erosion is a transport pathway, evaluate the terminal point to see if aquatic receptors could be affected.

Answer (likely/unlikely/uncertain):

Provide explanation:

Question D:

Is groundwater contaminated and potentially available to biological receptors through seeps or springs?

- Known or suspected contaminant *presence in* groundwater.
- The potential for contaminants to be carried via groundwater and discharge into habitats and/or surface waters.
- Contaminants may be taken up by terrestrial and rooted aquatic plants whose roots are in contact with contaminated groundwater present within the root zone (~1 m depth).
- Terrestrial wildlife receptors will generally only contact groundwater if it is discharged to the surface.

Answer (likely/unlikely/uncertain):

Provide explanation:

Question E:

May groundwater become contaminated from infiltration/percolation from contaminated subsurface material?

- Suspected ability of contaminants to *migrate to* groundwater.
- The potential for contaminants to reach groundwater then discharge into habitats and/or surface waters.
- Might contaminants be taken up by terrestrial and rooted aquatic plants whose roots are in contact with potentially contaminated groundwater present within the root zone (~1 m depth)?
- Terrestrial wildlife receptors will generally only contact groundwater if it is discharged to the surface.

Answer (likely/unlikely/uncertain):

Provide explanation:

Question F:

Might erosion or mass wasting events be a potential release mechanism for contaminants from subsurface materials or perched aquifers to the surface?

- Consider, particularly, the erodability of fill material and the geologic processes of canyon/mesa edges.

Answer (likely/unlikely/uncertain):

Provide explanation:

Airborne contamination
(terrestrial receptors)

Question G:

Could airborne contaminants interact with plants or animals through respiration of vapors?
- Contaminants must be present as volatiles in the air.
- Consider the importance of inhalation of vapors for burrowing animals.
- Foliar uptake of organic vapors is typically not a significant pathway.

Provide quantification of pathway (0=no pathway, 1=unlikely pathway, 2=minor pathway, 3=major pathway):

⇒ **Terrestrial/Emergent Plants:**
⇒ **Terrestrial Animals:**

Provide explanation:

Question H:

Could airborne contaminants interact with plants or animals through deposition of particulates or with animals through inhalation of fugitive dust?
- Contaminants must be present as particulates in the air or as dust for this pathway to be viable.
- Exposure via inhalation of fugitive dust is particularly applicable to ground-dwelling species that would be exposed to dust disturbed by their foraging or burrowing activities or by wind movement.

Provide quantification of pathway (0=no pathway, 1=unlikely pathway, 2=minor pathway, 3=major pathway):

⇒ **Terrestrial/Emergent Plants:**
⇒ **Terrestrial Animals:**

Provide explanation:

Soil-borne contamination
(terrestrial receptors)

Question I:

Could soil-borne contaminants reach plants via root uptake or rain splash to leaf and stem surfaces from surface soils?
- Contaminants in bulk soil may partition into soil solution, making them available to roots.
- Exposure of terrestrial plants to contaminants present in particulates deposited on leaf and stem surfaces by rain striking contaminated soils (i.e., rain splash).

Provide quantification of pathway (0=no pathway, 1=unlikely pathway, 2=minor pathway, 3=major pathway):

⇒ **Terrestrial Plants:**

Provide explanation:

Question J:

Could soil-borne contaminants reach receptors through food web transport from surface soils?

- Consider bioaccumulation and biomagnification. See list of potentially persistent bioaccumulators and biomagnifiers, presented in Table 1.
- Animals: may ingest contaminated prey.

Provide quantification of pathway (0=no pathway, 1=unlikely pathway, 2=minor pathway, 3=major pathway):

⇒ **Terrestrial Animals:**

Provide explanation:

Question K:

Could soil-borne contaminants interact with receptors via incidental ingestion of surface soils?

- Incidental ingestion of contaminated soil may occur while animals grub for food resident in the soil, or feed on plants/animals covered with contaminated soil, or while grooming themselves clean of soil.

Provide quantification of pathway (0=no pathway, 1=unlikely pathway, 2=minor pathway, 3=major pathway):

⇒ **Terrestrial Animals:**

Provide explanation:

Question L:

Could soil-borne contaminants interact with receptors through dermal contact with surface soils?

- Significant exposure via dermal contact would generally be limited to organic contaminants which are lipophilic and can cross epidermal barriers.

Provide quantification of pathway (0=no pathway, 1=unlikely pathway, 2=minor pathway, 3=major pathway):

⇒ **Terrestrial Animals:**

Provide explanation: For fossorial invertebrates and vertebrates, this is a viable pathway.

Question M:

Could contaminants interact with plants or animals through external irradiation?

- External irradiation effects are most relevant for gamma emitting radionuclides.
- Burial of contamination severely attenuates radiological exposure.

Provide quantification of pathway (0=no pathway, 1=unlikely pathway, 2=minor pathway, 3=major pathway):

⇒ **Terrestrial Plants:**
⇒ **Terrestrial Animals:**

Provide explanation:

Water borne contamination
(terrestrial and aquatic receptors)

Question N:

Could water and sediment-borne contaminants reach plants via direct uptake from water and sediment or rain splash to leaf and stem surfaces from surface sediment?

- Contaminants may be taken-up by terrestrial plants whose roots are in contact with surface waters.
- Terrestrial plants may be exposed to particulates deposited on leaf and stem surfaces by rain striking contaminated sediments (i.e., rain splash on sediments *not* soils). in an area that is only periodically inundated with water.
- Contaminants in sediment may partition into soil solution, making them available to roots.
- Aquatic plants are in direct contact with water.

Provide quantification of pathway (0=no pathway, 1=unlikely pathway, 2=minor pathway, 3=major pathway):

⇒ **Terrestrial Plants:**
⇒ **Aquatic Plants:**

Provide explanation:

Question O:

Could contaminants interact with receptors through food web transport from water and sediment?

- The chemicals may bioaccumulate in animals (see list of potentially persistent bioaccumulators and biomagnifiers, presented in Table 1.)
- Animals: may ingest contaminated prey.

Provide quantification of pathway (0=no pathway, 1=unlikely pathway, 2=minor pathway, 3=major pathway):

⇒ **Terrestrial Animals:**
⇒ **Aquatic Animals:**

Provide explanation:

Question P:

Could contaminants interact with receptors via incidental ingestion of water and sediment?

- If sediments are present in an area that is only periodically inundated with water, terrestrial receptors may incidentally ingest sediments.
- Terrestrial receptors may ingest water-borne contaminants if contaminated surface waters are used as a drinking water source.
- Aquatic receptors may regularly or incidentally ingest sediment while foraging.

Provide quantification of pathway (0=no pathway, 1=unlikely pathway, 2=minor pathway, 3=major pathway):

⇒ **Terrestrial Animals:**
⇒ **Aquatic Animals:**

Provide explanation:

Question Q:

Could contaminants interact with receptors through dermal contact with water and sediment?

- If sediments are present in an area that is only periodically inundated with water, terrestrial species may be dermally exposed during dry periods.
- Terrestrial organisms may be dermally exposed to water-borne contaminants as a result of wading or swimming in contaminated waters.
- Aquatic receptors may be directly exposed to sediments or may be exposed through osmotic exchange, respiration, or ventilation of sediment pore waters.
- Aquatic receptors may be exposed through osmotic exchange, respiration, or ventilation of surface waters.

Provide quantification of pathway (0=no pathway, 1=unlikely pathway, 2=minor pathway, 3=major pathway):

⇒ **Terrestrial Animals:**
⇒ **Aquatic Animals:**

Provide explanation:

Question R:

Could contaminants interact with plants or animals through external irradiation via water and sediment exposure?

- External irradiation effects are most relevant for gamma emitting radionuclides.
- Burial of contamination severely attenuates radiological exposure.
- The water column acts to absorb radiation, thus external irradiation is typically more important for sediment dwelling organisms.

Provide quantification of pathway (0=no pathway, 1=unlikely pathway, 2=minor pathway, 3=major pathway):

⇒ **Terrestrial Plants:**
⇒ **Aquatic Plants:**
⇒ **Terrestrial Animals:**
⇒ **Aquatic Animals:**

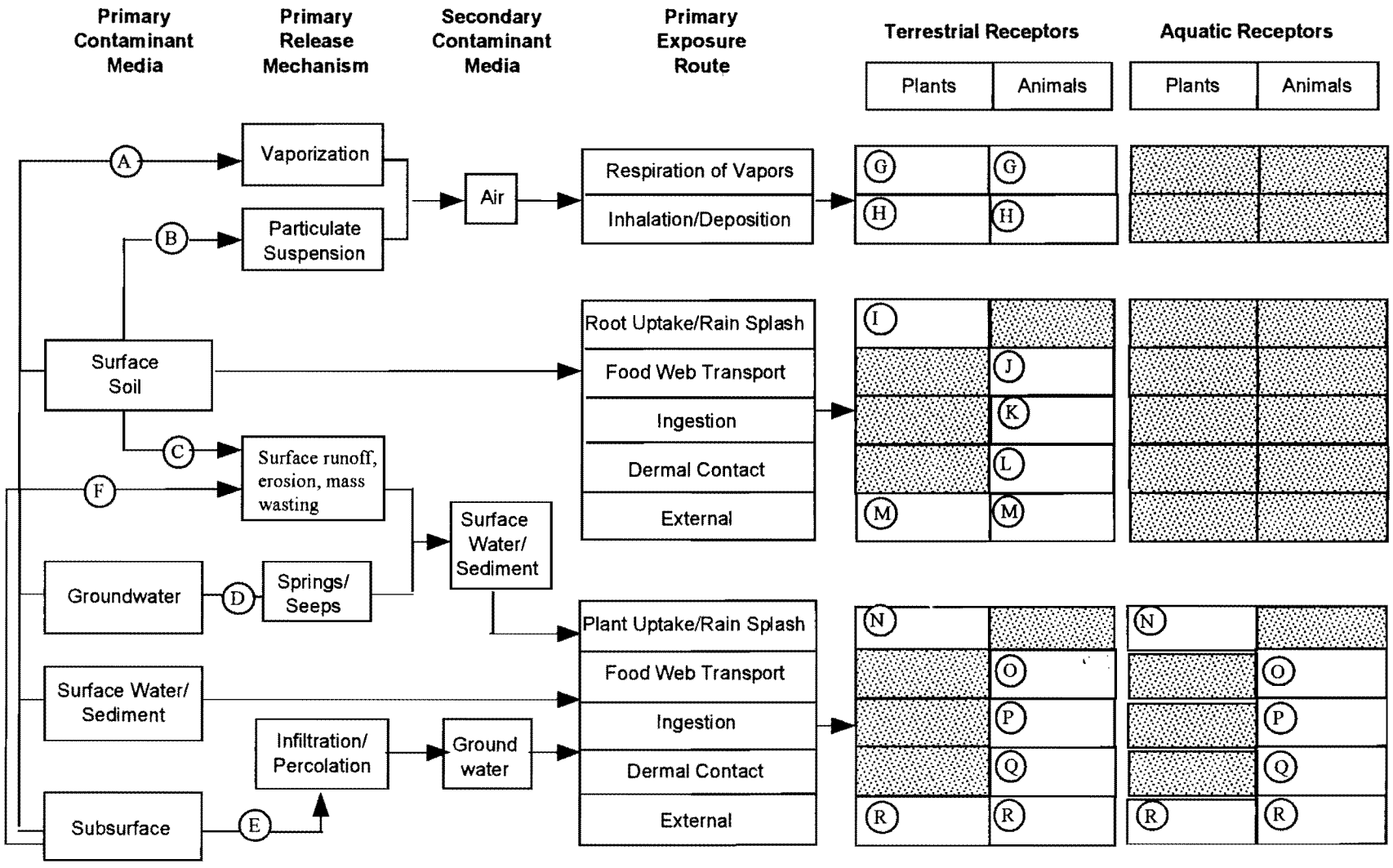
Provide explanation:

Table 1
List of Bioaccumulating Chemicals

Volatile Organics	**PCBs/Pesticides**
Dichlorobenzene[1,4-]	All Aroclors
Trichlorobenzene[1,2,4-]	beta-BHC
Xylene (mixed isomers)	BHC-mixed isomers
	Chlordane
Semivolatile Organics	Chlorecone (Kepone)
Acenaphthene	DDT and metabolites
Anthracene	Dieldrin
Benzo(a)anthracene	Endosulfan
Benzo(a)pyrene	Endrin
Benzo(b)fluoranthene	Heptaclor
Benzo(g,h,i)perylene	Lindane
Benzo(k)fluoranthene	Methoxyclor
Bis(2-ethylhexyl)phthalate	Toxaphene
Butyl benzyl phthalate	
Chrysene	**Inorganics**
Dibenzo(a,h)anthracene	Aluminum
Di-n-butyl phthalate	Cadmium
Di-n-octyl phthalate	Copper
Fluoranthene	Lead
Fluorene	Mercury
Indeno(1,2,3-cd)pyrene	Nickel
Phenanthrene	Selenium
Pyrene	
Pentachloronitrobenzene	**Radionuclides**
Pentachlorophenol	Americium-241
	Cesium-137
Dioxins/Furans	Plutonium-238,239,240
Dibenzofuran	Radium-226,-228
2,3,7,8-tetrachloro-dibenzo(p)dioxin	Strontium-90
2,3,7,8-tetrachloro-dibenzo(p)furan	Thorium-228,-230,-232
	Uranium-234,-235,-238

Ecological Scoping Checklist: Ecological Pathways Conceptual Exposure Model

KEY
0 - No Pathway
1 - Unlikely Pathway
2 - Minor Pathway
3 - Major Pathway



Signatures and certifications:

Checklist completed by (provide name, organization and phone number)

Name (printed):	Richard J. Mirenda, Ph.D.
Name (signature):	Richard J. Mirenda
Organization:	Program Management Co.
Phone number:	(505) 667-1359
Date completed:	9/4/98

Verification by a member of ER Project Ecological Risk Task Team (provide name, organization and phone number)

Name (printed):	Mark M. Hooten, Ph.D.
Name (signature):	Mark M. Hooten
Organization:	Neptune & Co., Inc.
Phone number:	(505) 662-0707 x 30

APPENDIX G RELEVANT DOCUMENTS

G-1.0 DOCUMENTATION OF REGULATORY HISTORY

G-1.1 Corrective Action History

TABLE G1.1-1. OU – 1086, TA 15 RFI CORRECTIVE ACTION HISTORY SUMMARY FOR PRSs 15-004(a-d,f), 15-007(b), 15-008(a,b), 15-009(e,j), 15-012(b), AND C-15-004

DATE	DESCRIPTION
1992	OU 1086 RFI Work Plan submitted to EPA
7/26/94	DOE received letter from EPA with NODs on the Work Plan
8/5/94	LANL received memo from DOE with NODs on the Work Plan
8/24/94	LANL sent letter to DOE with LANL's response to EPA's NODs on the Work Plan
8/26/94	DOE sent letter to EPA with LANL's response to EPA's NODs on the Work Plan
10/94	LANL received letter form EPA with requested modifications to LANL's response
11/1/94	Phone conversation between Barbara Driscoll, EPA and Scott Kinkead, LANL, regarding requested modifications
11/29/94	LANL sent letter to DOE with LANL's response to EPA's modifications
1/9/95	LANL received letter from EPA approving the Work Plan with a few modifications listed
7/30/95	RFI report for PRSs 15-004(a-d,f), 15-007(b), 15-008(a,b), 15-009(e,j), 15-012(b), and C-15-004 due to EPA
8/1/95	LANL sent letter to EPA requesting extension for RFI Report due date
11/1/95	RFI Report submitted to EPA
7/17/97	LANL/DOE received letter from NMED with NODs on the RFI Report
8/15/97	LANL/DOE sent letter to NMED with LANL's response to NMED's NODs on the RFI Report
11/20/97	LANL/DOE received letter from NMED with conditional approval upon modification of the RFI Report
12/17/97	LANL/DOE sent letter to NMED requesting extension on the conditional approval response due date until 4/1/98
3/25/98	LANL/DOE sent letter to NMED requesting extension on the conditional approval response due date until 6/1/98
6/1/98	LANL/DOE submit conditional approval response and modified RFI Report to NMED

TABLE G1.1-2. OU – 1086, TA 15 CORRECTIVE ACTION HISTORY SUMMARY FOR PRS 15-009(j)

DATE	DESCRIPTION
1981	Septic system constructed
1992	Septic system abandoned
7/25/95	One sample collected from septic tank as part of RFI Investigation
9/29/95	Three samples collected from septic tank as part of RFI Investigation
6/97	VCA plan presentation by LANL to NMED; approval by NMED to proceed granted at meeting
8/6 – 8/12/97	Field implementation of VCA
08/27/97	Final VCA Plan sent to DOE and NMED
09/09/97	VCA Completion Report sent for external review
09/17/97	Comments incorporated into VCA Report
09/22/97	VCA Report sent to DOE for signatures
09/26/97	VCA Report sent to LANL ER Project Office for letter to send to NMED
10/03/97	VCA Report returned to Field Unit 2 w/o letter; reason - report pending final data
07/16/98	Peer review to be conducted on revised VCA completion report

APPENDIX H COMPARISON OF ANTICIPATED AND ACTUAL COSTS

The estimated costs of this VCA are compared with the actual costs in Table H-1. Differences between estimated and actual costs are presented below.

Table H-1

Estimated versus Actual Cost* for VCA at PRS 15-009(j)

Activity	Estimated Cost	Actual Cost
Pre-Fieldwork	$ 3,500	$5,000
Fieldwork	$ 35,000	$47,000
Laboratory Analysis	$10,000	$21,000
Waste Management/Disposal	$ 4,000	$4,000
Post-Fieldwork	$3,500	$2,500
TOTAL	**$56,000**	**$80,000**

*Estimated actuals through August, 1997

Discrepancies

The actual costs associated with this VCA were higher due to increased analytical costs associated with a more restrictive turn-around for laboratory results. The project experienced weather delays and an unexpected internal tank configuration, both of which resulted in additional fieldwork expenses.

APPENDIX I. VCA PLAN FOR PRS 15-009(j)

Voluntary Corrective Action Plan for

Potential Release Site 15-009(j) Septic Tank

Field Unit 2

Environmental Restoration Project

June 1997

A Department of Energy
Environmental Cleanup Program

Los Alamos
NATIONAL LABORATORY

LA-UR-97-2654

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VOLUNTARY CORRECTIVE ACTION PLAN FOR POTENTIAL RELEASE SITE 15-009(j) - SEPTIC TANK

1.0 INTRODUCTION

The potential release site (PRS) 15-009(j) addressed in this voluntary corrective action (VCA) plan is an abandoned septic tank located within the secured boundaries of technical area (TA) -15. The septic tank was deactivated in the fall of 1992.

1.1 Site Type and Description

PRS 15-009(j) is located approximately 50 ft southeast of Building TA-15-285. The septic tank was constructed in 1981, has a capacity of 1,500 gallons, and, as documented by the RFI work plan for Operable Unit 1086 (LANL 1993,1087), received sanitary waste from Building TA-15-285. The estimated dimensions are 8 ft x 4 ft x 6 ft, and 4 in. thick. Drainage from the septic tank discharged to 4 ft diameter 50-ft deep seepage pits that are in series with the septic tank discharge line. The pits, which are part of this PRS, are located approximately 15 and 30 ft south of the tank. A site map of the area is presented in Annex 7.3.

1.1.1 Operational History

The RFI work plan reported that no chemicals or radioactive materials were used in Building TA-15-285. However, conversations with personnel involved in past operations in the building indicate that silver soldering was conducted and a brightening tank was used in the building between 1979 and 1986. Cadmium was the main constituent in brightening tanks. Also, personnel who were contaminated with beryllium, uranium, and lead from vessel washing at PRS 15-012(b) showered in Building TA-15-285, which discharged to the septic tank. The septic system, PRS 15-009(j), was abandoned and the inlet was cut and capped at the manhole in the fall of 1992 when the Sanitary Wastewater System Consolidation (SWSC) plant was installed at TA-46.

1.1.2 COPCs and Rationale for Proposed Remedial Action

Four water samples were collected from the septic tank. Analytical results indicated that antimony, arsenic, barium, cadmium, chromium, cobalt, copper, lead, manganese, mercury, nickel, selenium, silver, uranium, vanadium, and zinc are present. Although visual inspection of the tank did not find any signs that the structural integrity has been compromised, removal of the tank contents will ensure that the inorganics present will not be released to the environment. Following the removal of the contents, the tank will be removed. The tank will be removed because the using group has development plans for the area and has agreed to pay 50% of the removal costs.

2.0 SITE CHARACTERIZATION

2.1 RFI Information/Other Decision Data

The objective of the Phase I sampling was to determine if contamination is present in the septic tank. During the sampling effort in 1994, two sludge/water samples were proposed for collection. However, the septic tank contained less than 1 in. of water, which was not enough to collect a sample. During the sampling effort in 1995, the septic tank was again investigated and contained enough liquid to collect one sample. The sample was collected and analyzed for isotopic thorium and uranium, total uranium, HE, and TAL metals. Three additional samples were collected and analyzed for TAL metals and total uranium.

The liquid samples were obtained using a modified version of LANL-ER-SOP 6.15 Coliwasa Sampler for Liquids and Slurries. All QA/QC issues are discussed in Section 2.1.1 (Data Quality Evaluation) of this plan.

2.1.1 Data Quality Evaluation

The QA/QC data for inorganics, HE, radionuclides, and total uranium associated with the investigation at PRS 15-009(j) indicated that a majority of the sample analytical data (approximately 98%) were acceptable and defensible. Routine OA/QC samples were analyzed by the laboratories and included method blanks, surogates, matrix spikes, laboratory control samples, and internal standards. The OA/QC mechanisms were generally effective in ensuring the reliability of measured data within expected limits of sampling and analytical error. Of the approximately 120 pieces of analytical data, <1% were qualified as J, while 6% were qualified as UJ. The QA/QC problems for the data collected at this PRS are summarized in Table 7.2-1 in Annex 7.2

One inorganic analyte, beryllium, in one sample was qualified as J because it was detected below the estimated quantitation limit (EQL). This sample result has a high degree of uncertainty because it cannot be accurately distinguished from the instrument "noise" levels. As a result, the datum is usable as an estimated value, but it should be used with caution in the screening assessment because it cannot be accurately quantified.

Barium, beryllium, cobalt, copper, nickel, and thallium were detected in the laboratory blank associated with one sample at or below the method detection limits (MDLs). The sample values for barium, beryllium, cobalt, copper, and nickel were greater than 5X the blank values. These data are, therefore, not qualified and are usable as reported. The thallium value was less than 5X the blank value indicating its presence may be due to blank contamination. The datum is qualified as U and is usable as a nondetect in the screening assessment.

All other inorganic data are considered to be usable as reported.

Several HE analytes—2-amino-4,6-dinitrotoluene, 4-amino-2,6-dinitrotoluene, m-dinitrobenzene, nitrobenzene, and m-,o-,p-nitrotoluenes—in one sample had recoveries in the laboratory control sample outside of established limits (80 to 120%) and are qualified as J. The data usability was not affected because the recoveries were sufficient to detect and quantify the analytes if present and the surrogate recoveries were acceptable.

All other HE data are considered to be usable as reported.

No QA/QC problems were found with the radionuclide data. Therefore, all radionuclide data are considered to be usable as reported.

2.1.2 RFI Sampling Results

Annex 7.2 presents reported concentrations of constituents in the septic tank at PRS 15-009(j). The reported values (detected and undetected) were compared against the RCRA waste toxicity values to determine if it was RCRA waste (Table 7.2-2).

- Sixteen inorganics—antimony, arsenic, barium, cadmium, chromium, cobalt, copper, lead, manganese, mercury, nickel, selenium, silver, uranium, vanadium, and zinc—were detected in the water samples collected from the septic tank. The tank contents were found not to be RCRA hazardous waste.

- No HE was detected in the septic tank.

The results of the RFI investigation indicated several inorganics are present in the liquid contents of the septic tank and will be removed as part of the VCA proposed for this site.

2.2 Nature and Extent of Contamination

The Phase I sampling indicated that the liquid in the septic tank contains antimony, arsenic, barium, cadmium, chromium, cobalt, copper, lead, manganese, mercury, nickel, selenium, silver, uranium, vanadium, and zinc. The Phase I sampling did not determine if contamination exists in the seepage pits

or under the inlet or outlet to the septic tank because this was not specified in the approved work plan. Subsequent drilling and analysis of the soil in the seepage pits and sampling beneath the removed septic tank will be conducted as part of the VCA for this site.

3.0 PROPOSED REMEDY

3.1 Description of the Proposed Remedial Actions

The remedial action at PRS 15-009(j) will consist of removing the liquid contents as well as the sludge (if any exists) from the septic tank and pressure washing the tank. The rinsate water will be analyzed for TAL metals and radionuclides. The tank will then be removed.

Because the soils in the seepage pit and the inlet and outlet were not sampled during the Phase I sampling, this area will be sampled as part of the VCA. If the soil is above the EPA Region 9 PRGs for industrial land use, then it will be removed and an addendum to the VCA plan will be written to include the additional work and waste.

One borehole will be drilled to a depth of 60 ft in each of the seepage pits and three samples will be collected from each pit at 3-, 20-, and 60-ft depths. Additional samples will be collected based on any obvious discoloration of the core material. After the tank is removed, a soil sample will be collected from below the inlet and one from below the outlet pipes to the septic tank. A sample will be collected from each side of the tank. This sampling will be conducted to determine whether there has been any release of contamination from the tank.

All soil samples will be analyzed for TAL metals, SVOCs, VOCs, HE, and uranium (Table 3.1-1). Prior to drilling, the locations will be field screened for radioactivity and HE in accordance with the Site-Specific Health and Safety Plan (SSHASP). Soil samples will be collected using the approved spade and scoop technique (LANL-EP-SOP 6.09). All samples will be submitted to an analytical laboratory for appropriate analyses.

TABLE 3.1-1

SOIL SAMPLES

Location	Depth (ft)	Analysis				
1st Seepage Pit	3	TAL Metals	Uranium	HE	SVOCs	VOCs
	20	TAL Metals	Uranium	HE	SVOCs	VOCs
	60	TAL Metals	Uranium	HE	SVOCs	VOCs
2nd Seepage Pit	3	TAL Metals	Uranium	HE	SVOCs	VOCs
	20	TAL Metals	Uranium	HE	SVOCs	VOCs
	60	TAL Metals	Uranium	HE	SVOCs	VOCs
Septic Tank Inlet	~10	TAL Metals	Uranium	HE	SVOCs	VOCs
Septic Tank Outlet	~10	TAL Metals	Uranium	HE	SVOCs	VOCs
Septic Tank Sides	East ~10	TAL Metals	Uranium	HE	SVOCs	VOCs
	West ~10	TAL Metals	Uranium	HE	SVOCs	VOCs
	North ~10	TAL Metals	Uranium	HE	SVOCs	VOCs
	South ~10	TAL Metals	Uranium	HE	SVOCs	VOcs

Before remediation of the septic tank begins, the appropriate health and safety screening will be conducted (Annex 7.6). In addition, initial field activities will include establishing a less-than-90-day storage area and setting up spill control measures as stipulated in the Spill Prevention Control and Countermeasures Implementation Plan (SPCCP).

Remediation will begin with the removal of the liquid contents of the tank through the manhole using a portable pump or vacuum tank system. The field team will pump the liquid into Department of

Transportation (DOT)-certified 55-gallon drums. If any sludge is present, a homogenized sample of the segregated sludge will be collected and submitted to an analytical laboratory. The sludge will be analyzed using EPA Method 1311 for RCRA toxicity characteristic leaching procedure (TCLP) metals to determine if the waste constitutes RCRA characteristic hazardous waste, as well as for uranium. Following the removal of the sludge, the tank will be decontaminated by pressure washing the interior with water. Care will be taken to minimize the volume of water used for decontamination. If the initial rinse water contains significant quantities of sludge, the rinse water will be combined with the tank sludge, creating a sludge slurry, and a second rinse may be necessary. If, however, there is little sludge present in the tank before the first rinse, the rinse water will be managed separately from the tank sludge and only one rinse will be performed. After decontamination is completed and analytical results received, the septic tank will be removed.

The sludge or sludge slurry will be retained onsite in a less-than-90-day storage unit pending the laboratory analyses to characterize the waste. If the analytical results indicate that the waste is RCRA hazardous, the sludge will be treated by stabilization so that the final waste classification will be nonhazardous waste. The septic tank liquid and rinse water that is relatively free of sludge will be designated as nonhazardous waste. Treatment/disposal of the nonhazardous wastes will involve solidification of the liquid and transport to TA-54, Area G for disposal. Following tank removal, the soil around the tank will be sampled and potentially removed. Finally, seepage pit drilling will occur.

3.2 Basis for Cleanup Levels

PRS 15-009(j) lies within DOE-owned land and is removed from public access roads. In the future, the land is anticipated to be used exclusively for Laboratory operations (i.e., industrial land use). As indicated in Section 2.1.2 of this plan, the analytical results found that antimony, arsenic, barium, cadmium, chromium, copper, lead, manganese, mercury, nickel, selenium, silver, uranium, vanadium, and zinc are present in the septic tank.

The derivation of human health risk-based cleanup levels for this VCA is not applicable to this PRS because the inorganics are contained within a septic tank. The remedial action will involve the cleaning of the tank interior and subsequent removal of some soil and the tank.

3.3 Site Restoration

Removal of the septic tank will require excavation. The site will be regraded to its approximate original condition upon completion of the field activities and then reseeded.

4.0 WASTE MANAGEMENT

4.1 Estimated Types and Volumes of Waste

Wastes expected to be generated during the VCA are included in Table 4.1-1.

TABLE 4.1-1

ESTIMATED TYPES AND VOLUMES OF WASTE

Item	Waste Type	Anticipated Volume
Sampling Waste/PPE	Solid - Potential Hazardous	< One 55-gallon drum
Contaminated Sludge	Solid - Potentail Hazardous	< One 55-gallon drum
Contaminated Liquids	Liquid - Potentail Hazardous	Approximately two 55-gallon drums
Decontamination Wastes	Liquid - Potential Hazardous	< 30 gallons

A Characterization Strategy Form (CSF) has been submitted to EM-SWO and ESH-19. The CSF describes the waste characterization/strategy requirements and all uncertainties in determination of waste types and volumes, which are summarized below.

Soil from the seepage pits and from beneath the tank inlet and outlet will be field screened and submitted to an analytical laboratory as part of the VCA in order to determine if it is contaminated. If analytical results indicate the presence of chemicals at concentrations greater than the EPA Region 9 PRGs, then the soil will be excavated. For estimating purposes, 10 cubic yards of soil could be contaminated (1 ft around the tank). If no COPCs are detected in the soil, the area will be regraded and reseeded.

Liquid from the septic tank (estimated to be less than 10 gallons) and the rinse water used to decontaminate the septic tank will be placed in separate 55-gallon drums. Each drum of the septic tank liquid will be labeled. The liquid used to rinse the septic tank will be placed in a separate drum and sampled for TCLP metals, SVOCs, HE, and isotopic uranium.

Sludge from the septic tank (if present) will be placed in a separate 55-gallon drum. One composite sample will be collected from the drum and analyzed for TCLP metals, SVOCs, HE, and isotopic uranium. In addition, the sludge will also be analyzed for VOCs. The drums will be sealed and once the waste is characterized by an analytical laboratory, it will be disposed of according to its hazard classification (i.e., RCRA hazardous, mixed, radioactive, or nonhazardous waste).

Visibly contaminated personal protective equipment (PPE) and sampling equipment will be considered low-level radioactive waste if the radiological field screening detects anything above background levels. Visibly uncontaminated items will be considered industrial or radioactive waste depending on the field screening results. The volume generated will be less than one 55-gallon drum. PPE and sampling equipment will be segregated into visibly contaminated and uncontaminated groups and placed in separate, sealed plastic bags inside the 55-gallon drum. These items will not be directly sampled.

The decontamination liquid—Liquinox®, tap water, and distilled water—used to clean the PPE and sampling equipment may be hazardous waste. A total volume of less than 30 gallons will be generated and will be placed in a separate 55-gallon drum. One grab sample will be collected from the drum and analyzed for TCLP metals, SVOCs, HE, and isotopic uranium. This liquid will be classified as either RCRA hazardous, mixed, radioactive, or nonhazardous waste based on the analytical results for this grab sample.

4.2 Method of Management and Disposal

Waste soil and sludge will be stored/handled in accordance with 20 NMAC Generator Requirements. This waste will be stored at the PRS in 55-gallon drums until all laboratory analyses are completed. The soil and sludge will then be disposed of as either RCRA hazardous, mixed, radioactive, or nonhazardous waste based on the analytical results. If necessary, each drum will be labeled with a completed and attached Radioactive Materials Tag and the storage area roped off and labeled as a radioactive materials storage area. The DX user group will dispose of any pieces of HE in a RCRA-permitted treatment, storage, and disposal (TSD) facility. Visible pieces of DU will be sent to TA-54 for disposal as low-level radioactive waste.

Liquid wastes from the septic tank will be stored onsite in approximately two 55-gallon drums. The water used to decontaminate the inside of the septic tank will be stored in a separate 55-gallon drum. The drums will be analyzed as described in Section 4.1 and will be disposed of according to their waste classification. Analysis will determine if the waste meets the waste acceptance requirements of the SWSC, the TA-50 TSD, or another TSD facility.

If it is found to be contaminated, the soil will be managed in B-25 boxes. Until analyses are completed for the soil, waste will be stored as RCRA waste in the B-25 boxes at the PRS. The B-25 boxes will be labeled with "Pending Analysis" and "Potential Hazardous Waste" signs and the storage area will be roped off and labeled as a less than 90-day storage area. Disposal will be in accordance with appropriate requirements.

Visibly contaminated PPE and sampling equipment will be considered low-level radioactive waste if the radiological field screening detects anything above background levels. Visibly uncontaminated items will be considered industrial or radioactive waste depending on the field screening results. The volume generated will be less than one 55-gallon drum. PPE and sampling equipment will be segregated into visibly contaminated and uncontaminated groups and placed in separate, sealed plastic bags inside the 55-gallon drum. These items will not be directly sampled.

Decontamination liquids (30 gallons or less total volume) used to clean the PPE and sampling equipment will be managed as low-level radioactive waste. A grab sample of the waste liquid generated during the VCA will be collected and analyzed to determine its final waste classification.

Each waste type may require further analyses in order to meet the waste acceptance criteria of the TSD that will receive it. EM-SWO personnel will assist in the determination of the final disposal location for all of the wastes generated during the VCA. If required, they will also assist in finding the necessary TSD space for each waste type.

5.0 DESCRIPTION OF CONFIRMATORY/VERIFICATION SAMPLING

The remediation will be considered complete based on visual inspection of the tank interior as well as whether any significant material is present in the rinse water. If there is significant sludge in the rinse water, additional rinses will be performed. Because there will be no removable media remaining, confirmatory sampling of the tank interior is not possible. In addition, the septic tank will be removed. Confirmatory soil samples will be collected for TAL metals, HE, VOCs, SVOCs, and isotopic uranium from six locations (all four sides of the tank and the inlet and outlet).

6.0 ESTIMATED TIME TO COMPLETE THE ACTION AND UNCERTAINTIES

The estimated completion time for the VCA is 10 working days. The 10 days will not be worked consecutively because some tasks require knowledge of the analytical results prior to beginning the task. This estimate is based upon a one-day mobilization; two days to complete the removal of the septic tank contents and pressure wash the inside of the tank; one day to remove the septic tank; three days to drill, collect soil samples, and ship the samples to an analytical laboratory; two days to regrade and reseed; and one day to complete demobilization. The analytical results from the waste characterization and confirmatory sampling are expected to be received within 30 days, and waste removal from the onsite storage area is expected within another 60 days. Therefore, the total timeframe for the VCA from mobilization to removal of the waste is estimated to be approximately 90 days.

There are uncertainties with this cleanup. It is not certain whether sludge is present in the septic tank and whether the soil in the seepage pit requires excavation and disposal. Therefore, the extent and nature of the waste are not entirely known. The heavy equipment will be a vacuum truck for removal of the septic tank contents, a crane for tank removal, a drill rig, and a drum loader. The 55-gallon drums estimated for this cleanup should provide adequate TSD space. If, during the course of the removal, the waste volume exceeds 200% of the waste container estimate, the effort will be stopped and re-evaluated.

7.0 ANNEXES

ANNEX 7.1

RISK-BASED CLEANUP LEVEL ASSUMPTIONS AND CALCULATIONS

Because of the continuing potential for release of materials from the septic tank at PRS 15-009(j) to the environment, all contents of the tank will be removed and disposed of properly. Therefore, risk-based cleanup levels are not applicable for the septic tank contents.

ANNEX 7.2

RFI ANALYTICAL RESULTS

All analytical data are available on FIMAD. If FIMAD is not accessible, data will be provided upon request. The data are summarized in the RFI report dated November 1995. A summary of the analytical data is provided in the following tables.

TABLE 7.2-1

DATA QUALITY EVALUATION FOR PRS 15-009(j) SAMPLES

Batch Number	Sample ID	Suite	Comments
70471	0215-95-0154	Inorganic	Beryllium is qualified as J because it was detected below the EQL. This sample result has a high degree of uncertainty because it cannot be accurately distinguished from the instrument "noise" levels. As a result, the datum is usable, but it should be used with caution because it cannot be accurately quantified.
			Thallium was detected in the laboratory blank. Sample value <5X the blank value indicating blank contamination. Datum is qualified as U and is usable as a nondetect.
			Beryllium, cobalt, copper, and nickel were detected in the laboratory blank. Sample values were >5X the blank values. Data are not qualified and are usable as reported.
70208	0215-95-0154	HE	2-amino-4,6-dinitrotoluene, 4-amino-2,6-dinitrotoluene, m-dinitrobenzene, nitrobenzene, and m-,o-,p-nitrotoluenes had recoveries in the laboratory control sample outside of established limits of 80 to 120% and are qualified as J. The data are usable because the recoveries were between 40 and 75% so that the analytes would be detected and quantified if present. In addition, surrogate recoveries were acceptable.

TABLE 7.2-2

COMPARISON OF DETECTED INORGANICS WITH RCRA WASTE TOXICITY
FOR PRS 15-009(j)

Sample ID	Depth (in.)	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Cadmium (µg/L)	Chromium (µg/L)	Cobalt (µg/L)	Copper (µg/L)	Lead (µg/L)
RCRA Waste Toxicity Characteristics	N/A	Not Available	5,000	100,000	1,000	5,000	Not Available	Not Available	5,000
0215-95-0013	N/A	<4	42	930	51	380	62	2,100	1,100
0215-95-0014	N/A	55	120	2,300	120	880	150	6,300	2,800
0215-95-0015	N/A	65	110	2,100	110	910	140	6,000	2,600
0215-95-0154	N/A	16.7	54.5	817	44.3	351	58.4	2,110	850

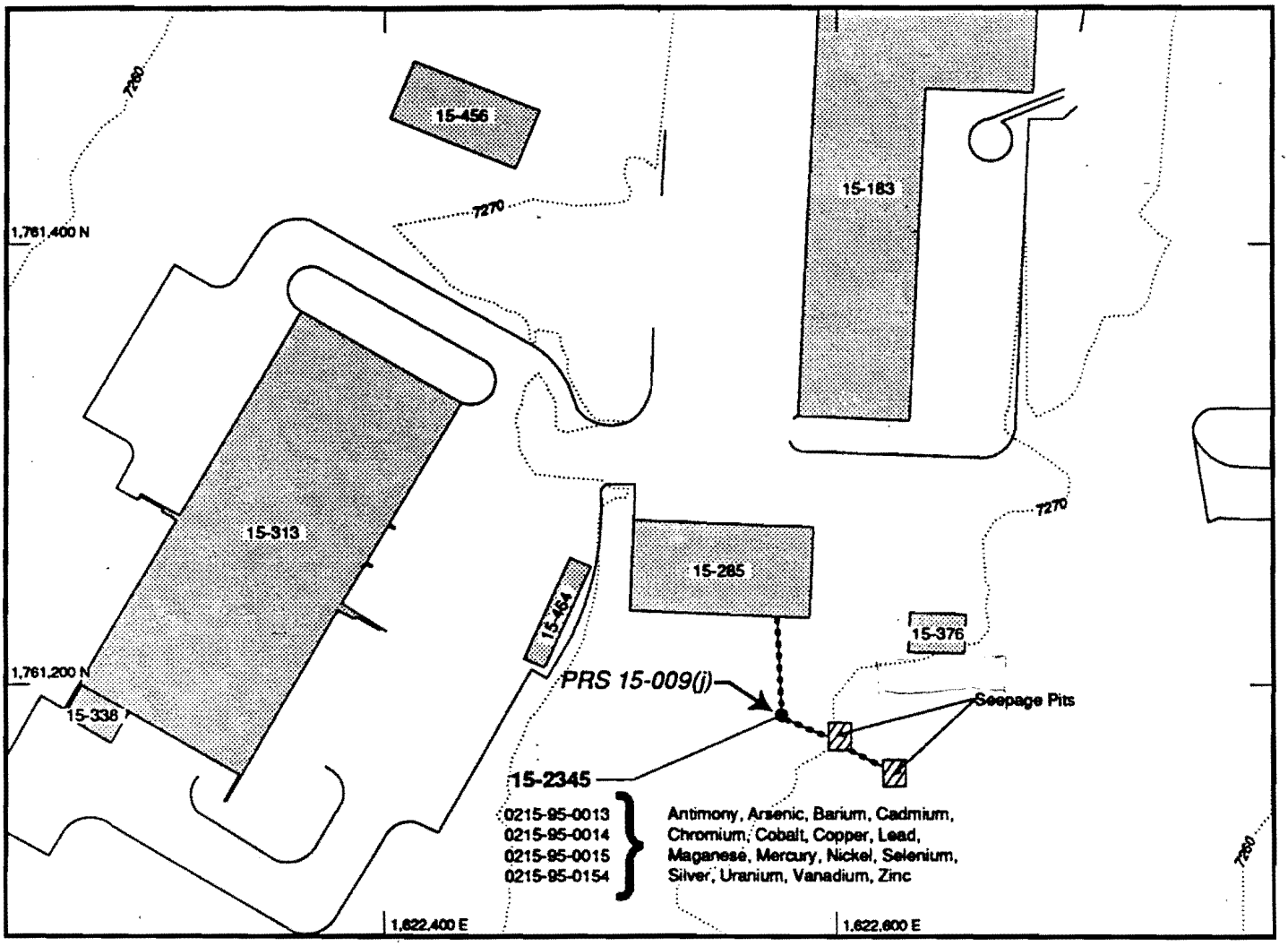
Sample ID	Depth (in.)	Manganese (µg/L)	Mercury (µg/L)	Nickel (µg/L)	Selenium (µg/L)	Silver (µg/L)	Uranium (µg/L)	Vanadium (µg/L)	Zinc (µg/L)
RCRA Waste Toxicity Characteristics	N/A	Not Available	200	Not Available	1,000	5,000	Not Available	Not Available	Not Available
0215-95-0013	N/A	1,300	5.6	260	28	46	2.5	180	16,900
0215-95-0014	N/A	3,600	61	650	67	100	ND	470	42,000
0215-95-0015	N/A	3,300	34	610	63	110	ND	430	38,900
0215-95-0154	N/A	1,560	8.42	258	28.2	35.7	2.62	190	18,000

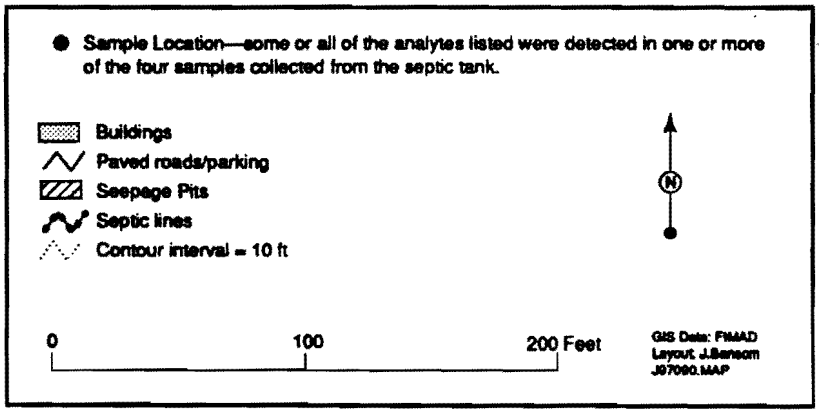
N/A - not applicable
ND - not detected

ANNEX 7.3

SITE MAP

PRS 15-009(j)


15-456
15-183
15-313
15-285
15-464
15-376
15-338
7260
7270
1,761,400 N
1,761,200 N
PRS 15-009(j)
Seepage Pits
15-2345
0215-95-0013
0215-95-0014
0215-95-0015
0215-95-0154
Antimony, Arsenic, Barium, Cadmium, Chromium, Cobalt, Copper, Lead, Maganese, Mercury, Nickel, Selenium, Silver, Uranium, Vanadium, Zinc
1,622,400 E
1,622,600 E


Sample Location—some or all of the analytes listed were detected in one or more of the four samples collected from the septic tank.
Buildings
Paved roads/parking
Seepage Pits
Septic lines
Contour interval = 10 ft
N
0
100
200 Feet
GIS Data: FMAD
Layout: J.Barnsom
J97060.MAP

ANNEX 7.4

IMPLEMENTATION SOPS

See Environmental Restoration Standard Operating Procedures, Volumes I and II, November 17, 1993, Los Alamos National Laboratory.

ANNEX 7.5

QUALITY ASSURANCE PLAN

See Quality Program Plan and Quality Assurance Project Plan for Environmental Restoration, February 1995 revision, Los Alamos National Laboratory.

ANNEX 7.6

SITE-SPECIFIC HEALTH AND SAFETY PLAN

Prior to initiation of any work, a completed Site-Specific Health and Safety Plan (SSHASP) will be approved by LANL representatives, including the Explosives Review Committee.

This Site-Specific Health and Safety Plan (SSHASP) will be developed for the Environmental Restoration (ER) Project at the Los Alamos National Laboratory (LANL) to comply with applicable federal and state occupational health and safety (HS) requirements, including those of the U.S. Department of Energy (DOE). The DOE requires LANL to comply with the federal Occupational Safety and Health Administration (OSHA) requirements, although operations at LANL are not subject to the jurisdiction of OSHA. The environmental restoration (ER) Project has developed a generic Health and Safety Plan, the ER Project HASP, which establishes HS information and requirements applicable to ER field operations project wide. In addition to the HASP, this SSHASP establishes site-specific HS information and requirements applicable to the scope of work described in Section 2.

ER participants are responsible for conducting work in accordance with applicable regulations. The term "ER participants" refers to anyone performing ER work, including LANL, subcontractors to LANL and their lower-tier contractors, consultants, and agents. In some cases in this document, LANL has chosen to invoke OSHA and LANL requirements that may not ordinarily apply to ER field operations (e.g., OSHA's general industry standards in Part 1 91 0 of Title 29 of the Code of Federal Regulations [29 CFR 191 0]). These choices were made on a case-by-case basis to maintain consistency with LANL's ALARA policy and to clarify LANL's expectations with regard to interpretable requirements of the multiple agencies governing ER work. Where there is concern that implementation of work orders or HS requirements would conflict with contract terms, or that it could unreasonably compromise the safety or health of an individual or the environment, such concerns should immediately be brought to the attention of the Contract Administrator and the Field Unit HS Representative. Failure to comply with terms of HS plans may constitute cause to stop activity or the issuance of a stop work order, as specified in Section 3.4.2 of the HASP, without cost or penalty to LANL.

This SSHASP shall be reviewed and approved in accordance with Section 1.2 of the HASP. Once this SSHASP has been approved, revisions will be tracked using a SSHASP modification form (Appendix B of the HASP) per Section 1.3 of the HASP. Modifications to this SSHASP may result in a change to the terms or scope of a subcontract. Completion of an SSHASP modification form is not the means for modifying the scope or terms of the pro'ect contract. To modify a contract, the Subcontractor shall notify the Contract Administrator and Field Unit HS Representative under the changes clause and shall not proceed with the change until a change order has been mutually agreed upon between the parties, or unless unilateral direction is given by the Contract Administrator.

The SSHASP will be presented in a format similar to this example:

1.0 Introduction
2.0 Background Information

Table 2-1 Site Description(s)
Table 2-2 Scope of Work

3.0 Organization, Responsibilities and Authority
4.0 Hazard Analysis
4.1 Personnel by Task
4.2 Hazard Substances of Occupational Health Concern
4.3 Hazard Assessment and Administrative/Engineering Controls
5.0 Site Controls

6.0 Exposure Monitoring and Corresponding Actions
6.1 Direct-Reading Monitoring
6.2 Personal Dosimetry
6.3 Area Sampling
7.0 Personal Protective Equipment

8.0 Decontamination

9. 0 Emergency/Incident Action Plan
10.0 Training

11.0 Medical Surveillance

12.0 Quality Control and Quality Assurance (QC/OA)
13.0 Recordkeeping

Appendixes

A Map(s) of Site Locations and Site Control Zones/Facilities

B Hazardous Substance - Hazard Assessment

C Chemical, Physical, and Toxicological Properties of Hazardous Chemical Substances

D Emergency Contacts and Route(s) to Medical Services

ANNEX 7.7

WASTE MANAGEMENT CHECKLIST

Los Alamos
NATIONAL LABORATORY
memorandum

To/MS: Memo To The File
From/MS: T.E. Gene Gould, EES-15, MS G787
Phone/FAX: 5-4348/5-1976
Date: February 6, 1997

Earth and Environmental Science Division
EES-15, Environmental Science Group
Los Alamos, New Mexico 87545

SUBJECT: CHARACTERIZATION STRATEGY FORM

Based on my review of available information and my professional judgment, it is not necessary to sample for tritium because it is not a potential contaminant at PRS 15-009(j).

TEG/nar

WASTE CHARACTERIZATION STRATEGY FORM

OU Number/FU	PRS/SWMU Number	Title
1086/FU2	15-009(j)	Inactive Septic System
All Waste Types or Wastestreams: Septic tank liquids, sampling waste/PPE, and decontamination liquids		

Completed By: J. W. Heyser	Date: August 20, 1997
FPL: T. E. Gene Gould	WMC: Jeff Bingham, EES-15
Type of Activity (site investigation, EC, etc.): VCA	

Description of the Activity (e.g., drilling, surface sampling, excavation and recontouring, soil washing, etc.)

The contents of this septic tank (less than two inches of liquid) will be pumped into drums, and after rinsing the tank with clean water, it will be backfilled. In addition, four sampling holes will be drilled to check for the possible migration of contaminants (TAL metals and uranium) from the tank. One slant hole will be drilled near the tank's inlet and a second one will be drilled near the tank's outlet. Two additional vertical holes (60 feet in depth) will be drilled in the septic tank's seepage pits. The sampling results for the soils removed from these holes will be used to determine if a future VCA is warranted to remove contaminated soils. Soil from the cores will be returned to the bore holes, unless they are radioactive as determined by field screening. If radioactive, they will be put in 55-gal. drums that are sealed and stored onsite. Cores returned to the bore holes that are contaminated with metals or organics will be remediated along with the other contaminated soil, if necessary, in a future VCA. The sampling will only generate PPE/sampling equipment as waste and the analytical results from the soil samples collected will be used to determinate the waste classification of this PPE/sampling equipment.

Acceptable Knowledge

Site Description, Site History, and Historical Waste Generating Processes or Activities: (Include dates for site history):

PRS 15-009(j) is an inactive septic system that was once connected to Building 15-285. It is located 25 ft. from PRS 15-012(b), a former wash area for contaminated vessels used in explosive testing. Past operations in Building 15-285 involved silver soldering and the use of a brightening tank (cadmium was a major ingredient in the brightening solution). Personnel contaminated with beryllium, uranium, and lead from washing the explosive vessels at PRS 15-012(b) later showered in Building 15-285. The septic system 15-009(j) was abandoned in 1992 when the building was connected to the Laboratory's new sewer system. (1086 RFI Report, October 30, 1995)

Previous Investigation Analytical Results: (Report the analytical methods and results above background levels)

In 1995 one liquid sample was collected from PRS 15-009(j) and analyzed for HEs, TAL metals, total uranium and by a gamma scan. When the analytical results indicated elevated metals and uranium, three additional samples were collected and analyzed for TAL metals and total uranium. The highest levels of metals were arsenic (54.5 μg/l), cadmium (44.3 μg/l), chromium (351 μg/l), lead (850 μg/l), mercury (8.42 μg/l), selenium (28.2 μg/l), and silver (35.7 μg/l). However, these metals were all below their RCRA Toxicity Characteristic regulatory levels. No organics or HEs were detected in the original sample taken from the septic tank. Total uranium (2.62 μg/l) was the only detected radionuclide.

WASTE CHARACTERIZATION STRATEGY FORM

OU Number/FU	PRS/SWMU Number	Title
1086/FU2	15-009(j)	Inactive Septic System
All Waste Types or Wastestreams: Septic tank liquids		

Waste Description

Description of Waste Type, Potential Contaminants, Volume Estimate, and Waste Packaging:

Waste Type Description: Liquid wastes from septic tank. Original liquid and rinse water used to decontaminate the inside of this tank.
Potential Regulatory Status: RCRA non-hazardous or possibly low-level radioactive waste.
Volume Estimate: Two 55-gallon drums
Waste Packaging: One drum will be filled with the septic tank's contents. The other drum will be filled with the rinse liquid plus any resuspended sediment, if it is present.

Characterization Strategy

Description of Strategy:

A grab sample will be taken from each drum. One grab sample is considered to be representative, because the liquid waste and the decontamination liquid are expected to be fairly homogenous. See results on page one. Both drums will be sampled for TCLP metals, SVOCs, VOCs, HE, isotopic uranium, and by a gamma scan. The results for the septic tank liquid will also be compared with the five Phase I samples taken from this tank. Further analyses may be required to meet the waste acceptance criteria of a TSD after the hazard and radioactive determination is made for the liquids.
Waste Sampling*: (If sampling will be used, indicate how many grab or composite samples will be collected per container or volume of waste and whether the waste is considered homogeneous or heterogeneous.)
One grab sample is considered representative for the liquids in each. A separate grab sample for VOCs will also be taken from each drum. Specific analyses are listed above.

* Grab sampling is appropriate for wastes that are fairly homogeneous, such as liquid wastes.
* Composite sampling is appropriate for wastes that are heterogeneous, such as soil, sediment, and debris.

Analytical Strategy

Analyte Category	Analytical Method	May be Present (yes, no, unknown)	Direct Sampling of Containerized Waste	Acceptable Knowledge Existing Information	Acceptable Knowledge Data from Proposed Site Characterization
Volatile Organic Constituents	SW 846 8260	Yes	X		
Semivolatile Constituents	SW 846 8270	Yes	X		
Organic Pesticides		No		X	
Organic Herbicides		No		X	

WASTE CHARACTERIZATION STRATEGY FORM

OU Number/FU	PRS/SWMU Number	Title
1086/FU2	15-009(j)	Inactive Septic System
All Waste Types or Wastestreams: Septic tank liquids		

Analyte Category	Analytical Method	May be Present (yes, no, unknown)	Direct Sampling of Containerized Waste	Acceptable Knowledge Existing Information	Acceptable Knowledge Data from Proposed Site Characterization
Pesticides and PCBs		No		X	
PCBs		No		X	
Total Metals		Yes		X	
Total Cyanide		No		X	
Other Inorganic Constit. (specify)		No		X	
High Explosive Constituents	SW 846 8330	Yes	X		
Asbestos		No		X	
TPH		No		X	
TCLP Metals	SW 846 1311, 6010, 7470	Yes	X		
TCLP Organics		No		X	
TCLP Pest. & Herb.		No		X	
Gross Alpha		Yes		X	
Gross Beta		Yes		X	
Gross Gamma		Yes		X	
Tritium[1]		No		X	
Gamma Spectro.	HASL 300	Yes	X		
Isotopic Plutonium		No		X	
Total Plutonium		No		X	
Isotopic Uranium	HASL 300	Yes	X		
Total Uranium		Yes		X	
Strontium-90		No		X	
Americium-241		No		X	

[1] If tritium is not expected, attach a statement signed by the FPL stating that, based on a review of the available information and professional judgment, it is not necessary to sample for tritium at this site.

WASTE CHARACTERIZATION STRATEGY FORM

OU Number/FU	PRS/SWMU Number	Title
1086/FU2	15-009(j)	Inactive Septic System
All Waste Types or Wastestreams: Septic tank liquids		

Preliminary RCRA Determination

Based on available information, indicate the waste and whether it could potentially be any of the wastes as defined in 40 CFR 261. List the F-, D-, K-, P-, or U- category and number.

During Phase I sampling the following results were obtained. TC metals were present only at concentrations below their TC regulatory levels. No organics or HEs were present. Total uranium, the only detected radionuclide, was slightly above the LANL background level. No sludge was observed in the almost dry septic tank.

Preliminary RCRA Status

__X__ Non-RCRA: (No 90-Day Storage Requirement)

Describe how waste will be stored/handled: The liquid wastes will be stored in sealed drums kept at the PRS. A final RCRA determination will be based on an evaluation of the analyses of the liquid samples from the drums and the previous Phase I sampling results.

_____ RCRA: (90-Day Storage Requirement)

Waste will be stored/handled in accordance with 20 NMAC Generator Requirements

Preliminary Determination for Radioactivity

Based on available information, indicate the amount and type of radiation contamination expected in the waste.

Uranium (total) was only slightly above its LANL background level so liquid wastes will be initially managed as non-radioactive wastes. A final determination of their radioactive status will be based on the results for isotopic uranium and the gamma scan for the contents of each drum.

Preliminary Radioactivity Status

__X__ Material is not radioactive

Describe how waste will be stored/handled.

Liquid wastes will be stored at the PRS in sealed drums until the analytical results are evaluated.

_____ Material is radioactive

Describe the controlled area, labeling, and protection against inadvertent contamination

WASTE CHARACTERIZATION STRATEGY FORM

OU Number/FU	PRS/SWMU Number	Title
1086/FU2	15-009(j)	Inactive Septic System
All Waste Types or Wastestreams: PPE and sampling equipment		

Waste Description of Waste Type, Potential Contaminants, Volume Estimate, and Waste Packaging: Waste Type Description: PPE & sampling equipment
Potential Regulatory Status: Visibly contaminated items will be considered low-level radioactive waste if above background levels of radiation are detected by field screening. Otherwise they will be considered non-hazardous waste. Visibly uncontaminated items will be considered non-hazardous or radioactive waste based on field screening results.
Volume Estimate: The volume generated will be two 55-gal. drums.
Waste Packaging: The PPE will be placed in sealed and labeled plastic bags that are segregated into visibly contaminated and uncontaminated categories. The sealed bags will be stored in a 55-gal. drum at the PRS

Characterization Strategy

Description of Strategy: If possible, the PPE/sampling equipment will be decontaminated prior to disposal. After decontamination, the PPE/sampling equipment will be field screened for gross alpha, gross beta and gross gamma radiation in accordance with LANL-ER-SOP-10.07, "Field Monitoring for Surface and Volume Radioactivity Levels." Gross alpha radiation will be screened using an alpha probe, gross beta radiation will be screened using a beta/gamma probe, and gross gamma radiation will be screened using a Ludlum Model 2221 Scaler/Ratemeter with a Ludlum Model 44-10 2" x 2" Gamma Scintillator (SPA-3), which is equivalent to micro-R. The waste will be inspected to determine if there is any visible contamination. If it is not visibly contaminated and does not have readings above background radioactivity, it will be placed in plastic bags. The final disposal site will be determined based on the results for the septic tank liquids or the soil results.
If the PPE/sampling equipment is not decontaminated or if decontamination is not effective, the contaminated piece(s) will be placed in separate sealed plastic bags. Each plastic bag will be labeled with the PRS number and location where it was used at the PRS. The RCRA and radioactivity status of the contaminated items will be based on the analytical results of septic tank liquids. This PPE/sampling equipment will be assumed to have a similar level of contamination as the highest level in the septic tank liquids or soil samples.
Waste Sampling*: (If sampling will be used, indicate how many grab or composite samples will be collected per container or volume of waste and whether the waste is considered homogeneous or heterogeneous.)
The PPE/sampling equipment will not be directly sampled, but will be characterized as described above.

* Grab sampling is appropriate for wastes that are fairly homogeneous, such as liquid wastes.
* Composite sampling is appropriate for wastes that are heterogeneous, such as soil, sediment, and debris.

Analytical Strategy

Analyte Category	Analytical Method	May be Present (yes, no, unknown)	Direct Sampling of Containerized Waste	Acceptable Knowledge Existing Information	Acceptable Knowledge Data from Proposed Site Characterization
Volatile Organic Constituents		Yes			X
Semivolatile Constituents		Yes			X
Organic Pesticides		No		X	
Organic Herbicides		No		X	

WASTE CHARACTERIZATION STRATEGY FORM

OU Number/FU	PRS/SWMU Number	Title
1086/FU2	15-009(j)	Inactive Septic System
All Waste Types or Wastestreams: PPE and sampling equipment		

Analytical Strategy (Continued)

Analyte Category	Analytical Method	May be Present (yes, no, unknown)	Direct Sampling of Containerized Waste	Acceptable Knowledge Existing Information	Acceptable Knowledge Data from Proposed Site Characterization
Pesticides and PCBs		No		X	
PCBs		No		X	
Total Metals		Yes		X	
Total Cyanide		No		X	
Other Inorganic Constit. (specify)		No		X	
High Explosive Constituents		Yes			X
Asbestos		No		X	
TPH		No		X	
TCLP Metals		Yes			X
TCLP Organics		No		X	
TCLP Pest. & Herb.		No		X	
Gross Alpha	Field	Yes	X		
Gross Beta	Screen	Yes	X		
Gross Gamma	"	Yes	X		
Tritium[2]		No		X	
Gamma Spectro.		Yes			X
Isotopic Plutonium		No		X	
Total Plutonium		No		X	
Isotopic Uranium		Yes			X
Total Uranium		Yes		X	
Strontium-90		No		X	
Americium-241		No		X	

[2] If tritium is not expected, attach a statement signed by the FPL stating that, based on a review of the available information and professional judgment, it is not necessary to sample for tritium at this site.

WASTE CHARACTERIZATION STRATEGY FORM

OU Number/FU	PRS/SWMU Number	Title
1086/FU2	15-009(j)	Inactive Septic System
All Waste Types or Wastestreams: PPE and sampling equipment		

Preliminary RCRA Determination

Based on available information, indicate the waste and whether it could potentially be any of the wastes as defined in 40 CFR 261. List the F-, D-, K-, P-, or U- category and number.

The PPE/sampling equipment will not be directly sampled but will be characterized as follows. During Phase I sampling of the septic tank liquid, no organics or HE were detected and TAL metals were below their RCRA TC levels. Slightly elevated total uranium was the only radionuclide found. The liquid waste and rinse liquid will be sampled for TCLP metals, SVOCs, VOCs, HE, isotopic uranium, and by a gamma scan. PPE/sampling equipment will be classified as RCRA, non-hazardous, radioactive or mixed waste based on these liquid sample results. The PPE/sampling equipment used in the sampling of the drill holes will be characterized based on the soil sample results.

Preliminary RCRA Status

__X__ Non-RCRA: (No 90-Day Storage Requirement)

Describe how waste will be stored/handled: Visibly contaminated and visibly uncontaminated PPE/sampling equipment will be stored in separate sealed and labeled plastic bags inside a sealed drum at the PRS. PPE/sampling equipment will segregated by location in separate plastic bags. A final RCRA determination for the contaminated PPE/sampling equipment will be based on an evaluation of the liquid sample results or soil results.

_____ RCRA: (90-Day Storage Requirement)

Waste will be stored/handled in accordance with 20 NMAC Generator Requirements

Preliminary Determination for Radioactivity

Based on available information, indicate the amount and type of radiation contamination expected in the waste.

The PPE/sampling equipment will be initially managed as non-radioactive waste, except for items with above background radiation readings based by field screening results. A final determination of the radioactive status of the visibly contaminated PPE/sampling equipment will be based on the results for the septic tank samples or soil results.

Preliminary Radioactivity Status

__X__ Material is not radioactive

Describe how waste will be stored/handled. PPE/sampling equipment will be segregated into visibly contaminated and visibly uncontaminated categories and placed in labeled plastic bags for each PRS location that are stored inside a sealed 55-gal. drum at the PRS. Items with above background radiation readings will be clearly labeled as radioactive.

_____ Material is radioactive

Describe the controlled area, labeling, and protection against inadvertent contamination.

WASTE CHARACTERIZATION STRATEGY FORM

OU Number/FU	PRS/SWMU Number	Title
1086/FU2	15-009(j)	Inactive Septic System
All Waste Types or Wastestreams: Decontamination wastes (liquids) for PPE/sampling equipment		

Waste Description of Waste Type, Potential Contaminants, Volume Estimate, and Waste Packaging:

Waste Type Description: Decontamination liquids consist of Liquinox® detergent, tap and distilled water.
Potential Regulatory Status: Non-hazardous liquid waste.
Volume Estimate: A total volume of less than 30 gallons.
Waste Packaging: The liquid will be placed inside a 55-gallon drum.

Characterization Strategy

Description of Strategy:

The decontamination liquids will be characterized for RCRA based on the analytical results for a grab sample. Phase I sample results indicated a lack of organics and HEs in the septic tank liquid. The decontamination liquids from this PRS will be placed in a separate drum and labeled with the PRS number. Further analyses may be required to meet the waste acceptance criteria of a TSD after the hazard and radioactive determination is made for the decon. liquids. Decon. liquids associated with the soil sampling will be returned to the PRS in accordance with the NOI granted by NMED on December 20, 1995.

Waste Sampling*: (If sampling will be used, indicate how many grab or composite samples will be collected per container or volume of waste and whether the waste is considered homogeneous or heterogeneous.)
One grab sample of the decontamination liquids will be analyzed for TCLP metals, HE, SVOCs, and isotopic uranium. A grab sample was selected because the waste is expected to be homogeneous. One sample per waste stream was considered sufficient because of the small volume of waste (less than 30 gallons).

* Grab sampling is appropriate for wastes that are fairly homogeneous, such as liquid wastes.
* Composite sampling is appropriate for wastes that are heterogeneous, such as soil, sediment, and debris.

Analytical Strategy

Analyte Category	Analytical Method	May be Present (yes, no, unknown)	Direct Sampling of Containerized Waste	Acceptable Knowledge Existing Information	Acceptable Knowledge Data from Proposed Site Characterization
Volatile Organic Constituents		No		X	
Semivolatile Constituents	SW 846 8270	Yes	X		
Organic Pesticides		No		X	
Organic Herbicides		No		X	
Pesticides and PCBs		No		X	
PCBs		No		X	

WASTE CHARACTERIZATION STRATEGY FORM

OU Number/FU	PRS/SWMU Number	Title
1086/FU2	15-009(j)	Inactive Septic System
All Waste Types or Wastestreams: Decontamination wastes (liquids) for PPE/sampling equipment		

Analytical Strategy (Continued)

Analyte Category	Analytical Method	May be Present (yes, no, unknown)	Direct Sampling of Containerized Waste	Acceptable Knowledge Existing Information	Acceptable Knowledge Data from Proposed Site Characterization
Total Metals		Yes		X	
Total Cyanide		No		X	
Other Inorganic Constit. (specify)		No		X	
High Explosive Constituents	SW 846 8330	Yes	X		
Asbestos		No		X	
TPH		No		X	
TCLP Metals	SW 846 1311, 6010,7470	Yes	X		
TCLP Organics		No		X	
TCLP Pest. & Herb.		No		X	
Gross Alpha		Yes			X
Gross Beta		Yes			X
Gross Gamma		Yes			X
Tritium[3]		No		X	
Gamma Spectro.		Yes			X
Isotopic Plutonium		No		X	
Total Plutonium		No		X	
Isotopic Uranium		Yes		X	
Total Uranium	HASL 300	Yes	X		
Strontium-90		No		X	
Americium-241		No		X	

[3] If tritium is not expected, attach a statement signed by the FPL stating that, based on a review of the available information and professional judgment, it is not necessary to sample for tritium at this site.

WASTE CHARACTERIZATION STRATEGY FORM

OU Number/FU	PRS/SWMU Number	Title
1086/FU2	15-009(j)	Inactive Septic System
All Waste Types or Wastestreams: Decontamination wastes (liquids) for PPE/sampling equipment		

Preliminary RCRA Determination

Based on available information, indicate the waste and whether it could potentially be any of the wastes as defined in 40 CFR 261. List the F-, D-, K-, P-, or U- category and number.

During Phase I sampling, no organics or HEs were detected and TAL metals were below their TC screening levels in the septic tank samples. Decontamination liquids will be sampled for TCLP metals, SVOCs, HE and isotopic uranium. A final RCRA determination will be made after the decon. liquid results are evaluated.

Preliminary RCRA Status

__X__ Non-RCRA: (No 90-Day Storage Requirement)
Describe how waste will be stored/handled:
Decontamination liquid wastes will be initially managed as a non-RCRA waste. A final RCRA determination will be made after the decon. liquid results are evaluated

_____ RCRA: (90-Day Storage Requirement)
Waste will be stored/handled in accordance with 20 NMAC Generator Requirements

Preliminary Determination for Radioactivity

Based on available information, indicate the amount and type of radiation contamination expected in the waste.

Total uranium was present in a slightly elevated level in the septic tank samples taken during Phase I, but isotopic uranium analyses were not performed. The decontamination liquids will be initially classified as non-radioactive waste. A final radioactive determination will be based on the isotopic uranium results for the decon. liquids.

Preliminary Radioactivity Status

__X__ Material is not radioactive
Describe how waste will be stored/handled
The decontamination liquids will be stored in a sealed 55-gal. drum at the PRS. A final radioactive determination will be based on the results for the decon. liquid sample.

_____ Material is radioactive
Describe the controlled area, labeling, and protection against inadvertent contamination

WASTE CHARACTERIZATION STRATEGY FORM

OU Number/FU	PRS/SWMU Number	Title
1086/FU2	15-009(j)	Inactive Septic System
All Waste Types or Wastestreams: Septic tank liquids, sampling waste/PPE, and decontamination liquids		

Signatures:

Field Team Leader Tracy [illegible] 4/11/97

Field Team Waste Management Coordinator Jeff Bingham 4-7-97

Waste Management Representative Mary Jane [illegible] 4/3/97

ANNEX 7.8

VCA CHECKLIST AND FIELD WORK AUTHORIZATION FORM

VOLUNTARY CORRECTGIVE ACTION (VCA)
Checklist and Fieldwork Authorization Form

PRS 15-009(j) HSWA or AOC

X_____ COPC(S) defined.

X_____ Nature and extent defined or field screening method available to guide where not defined.

X_____ Remedy is obvious.

X_____ Time for removal is less than 6 months.

X_____ Remedy is final.

X_____ Land use assumptions straightforward.

X_____ Treatment, Storage, Disposal Facilities are available for waste type and volume.

X_____ Cleanup cost is reasonable for the planned action, and meets accelerated decision logic criterion for decision to proceed with VCA.

Explain criteria not checked above. _____

_____

_____

Through reviewing the above criteria associated with this site, I believe that a VCA is the appropriate Accelerated Cleanup approach.

FPL _____ Date 7/8/97

FPC _____ Date 7/9/97

The undersigned have reviewed the final plan and believe that it fully satisfies the appropriate Accelerated Cleanup approach.

FPL _____ Date 7/8/97

FPC _____ Date 7/9/97

Through reviewing the VCA Plan, for site 15-009(j) and believing that the above criteria have been met, I authorize the fieldwork to proceed.

DOE ER Program Manager _____ Date 8/25/97

See comments on title page and in the text. Ted

ANNEX 7.9

COST ESTIMATE

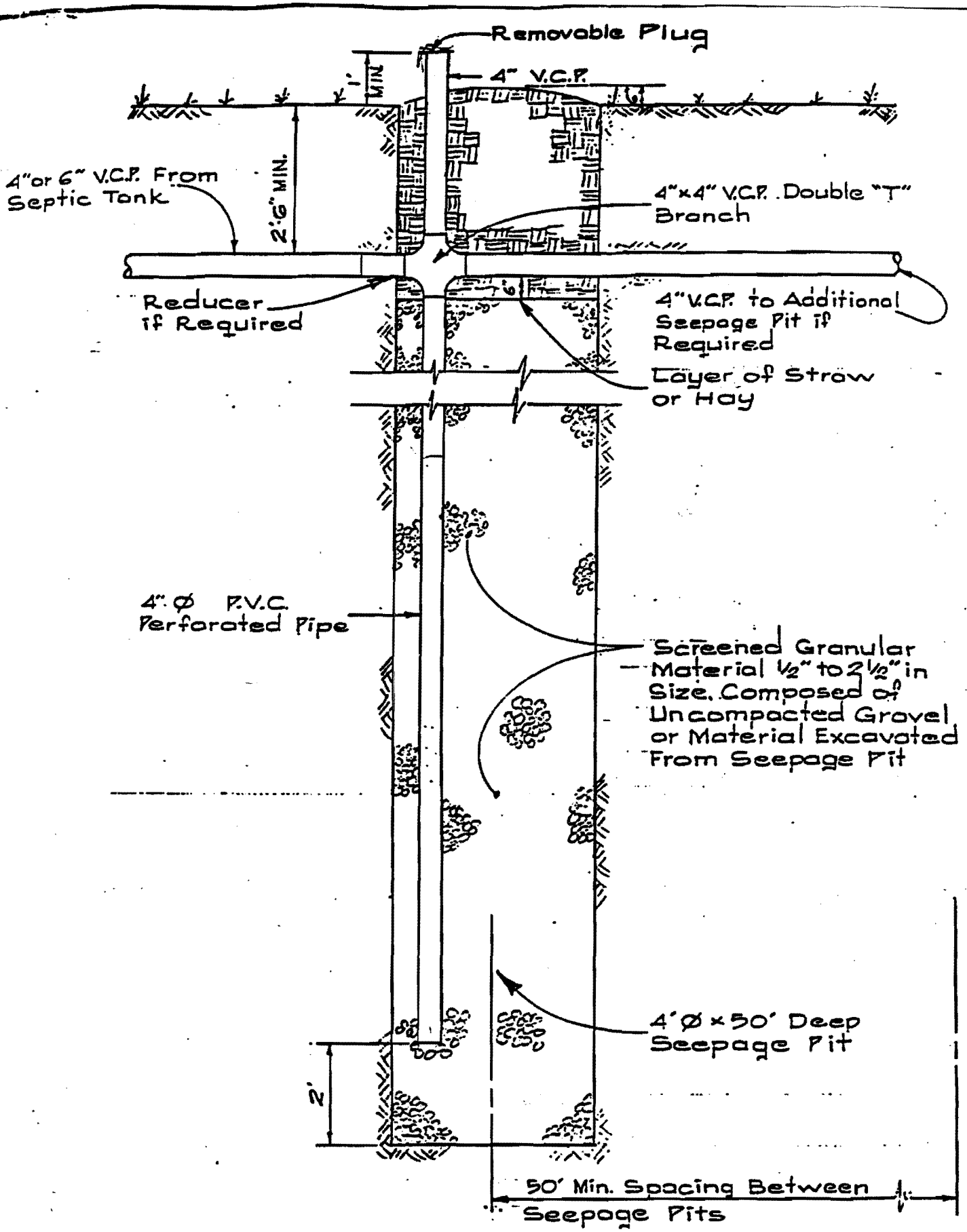
BUDGET

ACTIVITY	$ AMOUNT
Plan Development	$ 1,500
Mobilization	$ 2,000
Cleanup	$16,000
Verification Sampling	$ 6,000
Lab Analyses/Waste Disposal	$ 8,000
Drilling	$19,000
Demobilization	$ 2,500
Reporting	$ 1,000
Total Estimated Cost	**$56,000**

8.0 REFERENCES

LANL (Los Alamos National Laboratory), July 1993. "RFI Work Plan for Operable Unit 1086," Los Alamos National Laboratory Report LA-UR-92-3968, Los Alamos, New Mexico. (LANL 1993, 1087)

APPENDIX J. DRAWINGS OF PRS 15-009(j) SEEPAGE PIT



U.S. ATOMIC ENERGY COMMISSION LOS ALAMOS, NEW MEXICO

SECTION - SEEPAGE PIT

DATE | THE 71A COMPANY | SHEET | OF